

# Fall Semester 2019

Classes Begin	August 26
University Holiday	September 2
Thanksgiving Break	November 25-29
Final Exams	December 16-19
University Commencement	December 21

## Registration Start Dates for Fall 2019

Veterinary Medicine students:	Monday, March 25
Graduate students:	Monday, March 25 - Wednesday, March 27
All seniors:	Tuesday, March 26 - Monday, April 1
Projected juniors:	Tuesday, April 2 - Monday, April 8
Projected sophomores:	Tuesday, April 9 - Monday, April 15
Continuing freshmen:	Tuesday, April 16 - Monday, April 22

Registration start dates are assigned based on projected year-in-school classification (computed by combining total credits and current term credits).

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# Key Dates, Deadlines & Information

## AccessPlus Registration

Hours: 7 a.m.- 11 p.m., Monday-Saturday.

## Academic Probation

Academic probation is an indication of very serious academic difficulty which may result in dismissal from the university. Students may be placed on academic probation as a result of either semester GPA, cumulative GPA, or both. Students who are placed on academic probation are required to develop a plan for academic improvement in consultation with their academic adviser which may include referral to the Academic Success Center. Academic probation status is not a part of the student's permanent academic record. More information about assistance and the policy, go to the ISU index under Probation, Academic.

## Auditing Courses

You must register for a full semester course as an audit by day 10 of the semester. Instructors must approve all audits. Audited courses do not count toward determining full-time student status, but are considered the same as a credit course for fee assessment purposes and maximum number of credits allowed each semester. To find out specific deadlines for partial term courses, go the ISU index under Schedule Changes, or contact the Registrar's Scheduling & Fees Office, 10 Enrollment Services Center, 294-2331.

## Fee Payment Deadlines

Fee payment deadlines for Fall 2019 are August 20, September 20, and October 20 for deferred billing. A \$20 deferred billing charge is assessed. Contact Accounts Receivables for information.

## Graduation Information

If planning to graduate this fall students need to complete a graduation application. Go to the ISU website index under Graduation and Commencement, click on students, then choose graduation application.

## ISU ALERT

The ISU Alert system (see <http://www.isualert.iastate.edu/>) will quickly alert Iowa State University students, faculty and staff of potentially dangerous situations on the Iowa State University campus. For details on how to review and update your ISU Alert information see <http://isualert.iastate.edu/update.shtml>.

## Registration Start Dates

Registration start dates are assigned based on projected year-in-school classification, which is computed by combining total credits earned and current term credits. Graduate students and seniors register first, followed by juniors, sophomores, and then freshmen and nondegree students. Courses will begin to fill on the first day of registration, so you should register as early as your start date and time allows.

## Registration Start Dates for Fall 2019

Refer to page 1 for registration start dates.

## Room Assignments

Room assignments will be show on their AccessPlus class schedule on Saturday, July 21. To find a map of class room locations go to the ISU index under Classroom abbreviations.

## Schedule Changes

Students can make schedule changes using AccessPlus Registration through Friday, August 24. For additional schedule change deadlines and information go to the ISU index under Schedule Changes.

## Student Answer Center

Have a question and not sure where to go for the answer? Contact the Student Answer Center, Ground Floor, Beardshear. The Answer Center is open, Monday-Friday, 8 a.m.-5 p.m. or e-mail: [answercenter@iastate.edu](mailto:answercenter@iastate.edu).

# University Calendar Fall 2019

July 26, Fri.	<ul style="list-style-type: none"> <li>• Beginning Class lists available on AccessPlus</li> </ul>		
Aug. 6, Tues.	<ul style="list-style-type: none"> <li>• University bills with Fall 2019 tuition and fees charges available on AccessPlus.</li> </ul>		
Aug. 20, Tues.	<ul style="list-style-type: none"> <li>• Fee payment deadline for fall. First payment (minimum due) or payment in full.</li> </ul>		
Aug. 23, Fri.	<ul style="list-style-type: none"> <li>• Last day to initiate registration in person without a late registration fee in the Registrar's Scheduling &amp; Fees Office, 10 Enrollment Services Center by 5 p.m. Registration may be initiated using AccessPlus until 11 p.m. Aug 19, without a late registration fee.</li> </ul>	Sept. 2, Mon.	<ul style="list-style-type: none"> <li>• Last day to elect to audit a course for fall. The instructor of the course must approve an audit.</li> </ul>
Aug. 25, Sun.	<ul style="list-style-type: none"> <li>• Last day to initiate registration through AccessPlus without a late registration fee. Registration must be completed by 11 p.m.</li> <li>• Last day to cancel registration on AccessPlus for fall to avoid tuition assessment. All courses must be dropped on AccessPlus by 11 p.m.</li> </ul>	Sept. 20, Thurs.	<ul style="list-style-type: none"> <li>• Last day to receive a tuition and fee adjustment for full-semester courses when dropping below full-time status. No refunds for full-semester courses after day 10 of the semester.</li> </ul>
Aug 26, Mon.	<ul style="list-style-type: none"> <li>• Class work begins.</li> <li>• Schedule changes processed through AccessPlus registration or in 10 Enrollment Services Center.</li> </ul>	Sept. 27, Fri.	<ul style="list-style-type: none"> <li>• Last day to change degree audit information for fall semester.</li> <li>• University holiday—offices closed, classes recessed.</li> </ul>
Aug. 30, Fri.	<ul style="list-style-type: none"> <li>• Last day to initiate registration through AccessPlus. A late registration fee applies.</li> <li>• Last day to process most schedule changes without signatures of instructor and adviser (full-semester courses and first half-semester courses). See the tuition adjustment schedule for financial deadlines.</li> <li>• Last day to drop full-semester or first half-semester courses without the drop appearing on the permanent record or counting toward the limit of dropped courses.</li> <li>• Last day to process a schedule change for fall through AccessPlus registration.</li> <li>• Last day to change a course from audit to credit basis.</li> <li>• Graduate College applications for graduation for Fall 2019 are due in the Graduate College, 1137 Pearson Hall.</li> </ul>	Sept. 28 Sat.	<ul style="list-style-type: none"> <li>• Fee payment deadline for fall semester. Second payment (minimum due).</li> <li>• Last day to add/drop a first half-semester course without extenuating circumstances.</li> <li>• Last day to change a first half-semester course to or from Pass/Not Pass.</li> <li>• Last day to file a Designation of Repeated Course form for a first half-semester course that is not an automatic designated repeat.</li> </ul>
Aug. 31, Sat.	<ul style="list-style-type: none"> <li>• Last day to return textbooks for refund to University Book Store. Exclusions apply. See <a href="http://www.isubookstore.com">www.isubookstore.com</a> for details.</li> </ul>	Oct. 7 Mon.	<ul style="list-style-type: none"> <li>• Schedule of Classes for Spring 2020 available for viewing on the Web at <a href="http://classes.iastate.edu/">http://classes.iastate.edu/</a></li> <li>• Advising period for Spring 2020 registration begins.</li> <li>• Midterm grade reports due from all departments (Canvas &amp; AccessPlus)</li> <li>• First half-semester courses end.</li> <li>• Second half-semester courses begin.</li> <li>• Registration period for Spring 2020 begins. Hours for AccessPlus registration are 7 a.m. to 11 p.m., Monday—Saturday, and most Sundays.</li> <li>• First day of assigned Spring 2020 registration dates for students in the College of Veterinary Medicine and students in the Graduate College. Hours for AccessPlus registration are 7 a.m. to 11 p.m., Monday—Saturday.</li> <li>• Seniors graduating Spring 2020 should submit a Graduation Application to the Registrar's Graduation Office, 210 Enrollment Services Center, after registering for final course work. Applications are available from advisers or the Registrar's Graduation Office, 210 Enrollment Services Center.</li> </ul>
Sept. 6, Fri.	<ul style="list-style-type: none"> <li>• Last day to change a full-semester or first half-semester course from Pass/Not Pass to grade basis without it counting toward total allowable P/NP credits used for graduation.</li> </ul>	Oct. 18, Fri.	<ul style="list-style-type: none"> <li>• Registration period for Spring 2020 begins. Hours for AccessPlus registration are 7 a.m. to 11 p.m., Monday—Saturday, and most Sundays.</li> <li>• First day of assigned Spring 2020 registration dates for students in the College of Veterinary Medicine and students in the Graduate College. Hours for AccessPlus registration are 7 a.m. to 11 p.m., Monday—Saturday.</li> <li>• First day of assigned Spring 2020 registration dates for students projected as seniors. Hours for AccessPlus registration are 7 a.m. to 11 p.m., Monday—Saturday.</li> </ul>
		Oct. 21, Mon. Oct. 23, Wed.	
		Oct. 24, Thurs.	

# University Calendar Fall 2019

- Oct. 25, Fri.
- Last day to process most schedule changes in a second half-semester course without signatures of instructor and adviser. See the tuition adjustment schedule for financial deadlines.
  - Last day to drop a second half-semester course without the drop appearing on the permanent record or counting toward the limit of dropped courses.
  - Last day to change a second half-semester course from Pass/Not Pass to grade basis without it counting toward total allowable P/NP credits used for graduation.
- Oct. 31, Thurs..
- First day of assigned Spring 2020 registration dates for students projected as juniors. Hours for AccessPlus registration are 7 a.m. to 11 p.m., Monday—Saturday, and most Sundays.
- Nov. 1, Fri.
- Last day to file a Designation of Repeated Course form for a full-semester or second half-semester course that is not an automatic designated repeat.
- Nov 4, Mon.
- Preliminary Spring 2020 room assignments distributed
- Nov. 6, Wed.
- Graduate College: last day for graduate students to cancel graduation without being assessed a nonrefundable graduation fee.
- Nov. 7, Thurs.
- First day of assigned Spring 2020 registration dates for students projected as sophomores. Hours for AccessPlus registration are 7 a.m. to 11 p.m., Monday—Saturday, and most Sundays.
- Nov. 14, Thurs.
- First day of assigned Spring 2020 registration dates for students continuing as freshmen. Hours for AccessPlus registration are 7 a.m. to 11 p.m., Monday—Saturday, and most Sundays.
- Nov. 22, Fri.
- Last day to add/drop a second half-semester course without extenuating circumstances.
  - Last day to change a second half-semester course to or from Pass/Not Pass.
- Nov. 25-29 Mon.—Fri.  
Nov. 28-29 Thurs.—Fri.  
Nov. 28, Thurs.
- Thanksgiving break, classes recessed.
  - University holidays—offices closed.
  - Graduate College: last day to submit signed Submission Request Form for electronic thesis or dissertation.
  - Graduate College: last day for final oral examinations.
  - Graduate College: last day for final submission of graduate student graduation approval slip.
  - Graduate College: last day to submit final electronic thesis/dissertation copy for Thesis Office review.
- Dec. 7, Sat.
- Spring 2020 room assignments for courses displayed in the online Schedule of Classes.
- Dec. 12, Thurs.
- End of term textbook buyback begins at University Bookstore.
- Dec. 10-14 Mon.—Fri.  
Dec. 20, Fri.
- Final examinations.
  - Fall semester ends.
  - Undergraduate graduation applications for Spring 2020 are due in the Registrar's Graduation Office, 210 Enrollment Services Center.
- Dec. 21, Sat.  
Dec. 24-25, Tues-Wed.  
Dec. 26, Thurs.  
Dec. 27, Fri.
- University Commencement:
  - University holidays—offices closed.
  - Grade reports available on AccessPlus
  - Electronic grades due from all departments (Canvas & AccessPlus)

# Resources

## Admissions [www.admissions.iastate.edu](http://www.admissions.iastate.edu)

General Information ..... 100 Enrollment Services Center ..... (515)294-5836

## College Student Services Offices

Agriculture and Life Sciences ..... 20 Curtiss ..... 294-2766  
 Business ..... 1200 Gerdin ..... 294-8430  
 Design ..... 297 College of Design ..... 294-6983  
 Engineering ..... 1300 Martson ..... 294-9285  
 Graduate College ..... 1137 Pearson ..... 294-4531  
 Human Sciences ..... 0131 MacKay ..... 294-6466  
 Liberal Arts and Sciences ..... 102 Catt Hall ..... 294-1522  
 Veterinary Medicine ..... 2540 Veterinary Medicine ..... 294-0772

## Financial Aid Office [www.financialaid.iastate.edu](http://www.financialaid.iastate.edu)

General Information ..... 0210 Beardshear ..... 294-2223

## ISUCard Office [www.isucard.iastate.edu](http://www.isucard.iastate.edu)

ISUCard Office ..... 0530 Beardshear ..... 294-2727

## Office of the Registrar [www.iastate.edu/~registrar/](http://www.iastate.edu/~registrar/)

Verifications ..... 214 Enrollment Services Center ..... 294-1840  
 Degree Audits ..... 210 Enrollment Services Center ..... 294-0802  
 Graduation ..... 210 Enrollment Services Center ..... 294-9372  
 Registrar's Office Information ..... 214 Enrollment Services Center ..... 294-1840  
 Registration ..... 10 Enrollment Services Center ..... 294-2331  
 Residency Status for Fees & Admission ..... 210 Enrollment Services Center ..... 294-3632  
 Schedule Changes ..... 10 Enrollment Services Center ..... 294-2331  
 Student Records ..... 214 Enrollment Services Center ..... 294-1840  
 Transcripts ..... 214 Enrollment Services Center ..... 294-1840  
 Scheduling & Fees ..... 10 Enrollment Services Center ..... 294-2331  
 Veterans Certification ..... 214 Enrollment Services Center ..... 294-1840

## Registration Hold Contacts

Accounts Receivables Office ..... 0880 Beardshear ..... 294-7388  
 Admissions ..... 100 Enrollment Services Center ..... 294-5836  
 Dean of Students Office ..... 1010 Student Services Building ..... 294-1021  
 Graduate College ..... 1137 Pearson ..... 294-4531  
 International Students and Scholars ..... 3248 Memorial Union ..... 294-1120  
 Loans Receivable ..... 0880 Beardshear ..... 294-8747  
 Memorial Union ..... 214 Memorial Union ..... 294-0993  
 Multicultural Student Affairs ..... 2080 Student Services Building ..... 294-6338  
 Registrar Student Scheduling ..... 10 Enrollment Services Center ..... 294-2331  
 Student Health ..... Thomas B. Thielen Student Health Center ..... 294-5801

## Student Answer Center [www.answer.iastate.edu/](http://www.answer.iastate.edu/)

Student Answer Center ..... Ground Floor Beardshear ..... 294-4469

## Voter Registration

To learn how to register to vote, or to find out more about voting in Iowa, go to [www.sos.state.ia.us/](http://www.sos.state.ia.us/).

Voter registration forms are available in the Office of the Registrar, 214 Enrollment Services Center, and the Student Answer Center, Ground Floor, Beardshear.



# Admission

New Students	Prospective students should contact the Office of Admissions for information concerning admission procedures. Refer to the Iowa State University Undergraduate and Graduate Courses and Programs catalog for specific requirements for admission. Applications are available through the Iowa State University home page, just click on Apply under Prospective Students or by contacting the Office of Admissions, 100 Enrollment Services Center. The completed application, application fee, and all required transcripts must be received by the Office of Admissions before admission is complete. Approval for admission is necessary before a student begins the registration process.
Graduate Students	Students who have earned a bachelor's degree and wish to pursue an advanced degree or certificate program should submit a graduate application for admission.
Nondegree Students	<p>Students who wish to enroll for undergraduate or graduate courses, but do not intend to earn a degree from Iowa State, should submit the nondegree application for admission. Undergraduate courses taken as an undergraduate nondegree student may later be applied toward undergraduate degree requirements if approved by the student's college. Graduate courses taken as an undergraduate nondegree student can NOT be used on a graduate degree program. Students who have earned a bachelor's degree and wish to enroll in graduate level courses must apply as nondegree graduates if they have not been admitted to a graduate program. Only nine semester credits of graduate level courses taken as a nondegree graduate student may be applied toward a graduate degree if approved by the student's program of study committee.</p> <p>Undergraduate students, both nondegree and degree seeking:</p> <p>Non-international undergraduate students, both degree and non-degree seeking, who are planning to return to Iowa State University after an absence of 12 or more months must complete a reentry form. A student who has previously attended Iowa State only as a nondegree student and who now seeks to earn an undergraduate degree should complete an undergraduate application.</p>
Reentering Students	Reentry forms are available through the ISU index under Reentering ISU or from the Office of the Registrar, Scheduling & Fees Office, 10 Enrollment Services at 515-294-2331, or e-mail <a href="mailto:reentry@iastate.edu">reentry@iastate.edu</a> . Return the completed form to the Office of the Registrar well in advance of the beginning of the term for which reentry is desired. Degree-seeking students who have attended another college or university since their last enrollment at Iowa State must send official transcripts of all course work attempted to the Office of Admissions, 100 Enrollment Services Center.

Questions about the registration process, contact:

Office of the Registrar's Scheduling & Fees Office  
10 Enrollment Services Center,  
515-294-2331

College student services offices:

Agriculture and Life Sciences  
20 Curtiss  
294-2766

Business  
1200 Gerdin  
294-8430

Design  
297 College of Design  
294-6983

Engineering  
1300 Marston  
294-9285

Graduate College  
1137 Pearson  
294-4531

Human Sciences  
0131 MacKay  
294-6466

Liberal Arts and Sciences  
102 Carrie Chapman Catt Hall  
294-4831

Veterinary Medicine  
2540 Vet Med  
294-0772

International Students	All international students must complete the reentry form and a financial statement (for visa purposes) after an absence of one semester or more (not including summer term). International student reentry forms are available through the ISU index under Reentering ISU, International Students and Scholars or from the Tuition and Fees area at 0460 Beardshear Hall. Return all parts of the completed reentry form and related documentation to the Office of the Registrar well in advance of the beginning of the term for which reentry is desired. Degree-seeking Students who have attended another college Degree-seeking Students who have attended another college or university since their last enrollment at Iowa State must send official transcripts of all course work to the Office of Admissions, 100 Enrollment Services Center. Once reentry has been approved, the reentry form will be forwarded to the Office of International Students and Scholars for financial certification and visa eligibility. Questions related to financial certification or visas should be directed to the Office of International Students and Scholars, 3248 Memorial Union, at 515-294-1120, or by e-mail: intlerv@iastate.edu.
Academically Dismissed	A student who was academically dismissed must submit (1) a reentry form to the Office of the Registrar and (2) a petition for reinstatement to the college in which they wish to enroll at least 45 days before the beginning of the term. Students who have been academically dropped twice and wish to return to the College of Liberal Arts and Sciences must submit their petition at least 70 days before the beginning of the term.
Approving Reentry	All reentry forms should be submitted to the Office of the Registrar, Scheduling & Fees Office, 10 Enrollment Services; or faxed to 515-294-2034 well in advance of the beginning of the term for which reentry is sought. The Office of the Registrar will process the form, or refer the reentry form to the college to which a student plans to return if the student (a) desires to change curriculum; (b) has a previous Iowa State University cumulative grade point average below 2.00 or had a last term average below 2.00; (c) was dropped from Iowa State for unsatisfactory academic progress or was not otherwise in good standing; or (d) since leaving Iowa State, has completed additional college study with less than a 2.00 grade point average. Once approved, they will receive a letter from the Office of the Registrar with information about registration.
How to Register	Reentering students should contact their adviser or departmental office to select courses and begin the registration process. New and reentering students are encouraged to register during the web registration period, and will be assigned registration start dates according to their year-in-school classification using the same general guidelines as currently enrolled students. Since courses begin to fill on the first day of the registration period, students should register as early as their start date and time allow
Returning Students Undergraduate and Nondegree Stu-	Non-international undergraduate and non-degree students, who have been away from Iowa State for less than 12 months and who were not academically dismissed, (not including summer) may contact the Office of the Registrar, Scheduling & Fees Office, 10 Enrollment Services, at 515-294-2331 or e-mail: reentry@iastate.edu to have their student record and address information updated prior to meeting with their adviser to discuss course selection. These students do not need to complete a reentry form.
Academically Dismissed	Returning students who have been academically dismissed should contact their college student services office regarding procedures for reinstatement. Students who want to change colleges should contact the student services office of their prospective college.
Graduate Students	All graduate students who have been away from Iowa State for at least one semester (not including summer) should contact the Office of the Registrar, Tuition and Fees area, at 515-294-1889 or e-mail: reentry@iastate.edu to have students record and address information updated prior to meeting with major professor to discuss course selection. International graduate students must file a student financial statement for visa purposes. The form is available from International Students and Scholars, 3428 Memorial Union, 515-294-1120, or e-mail: intlerv@iastate.edu.



# Registration

To prepare to register for classes, students can use the following materials and information:

- Registration Worksheet, available for download through the Registrar's web site index under Forms.
- RAN (registration access number) if required by their college.
- Course information from the Schedule of Classes at <http://classes.iastate.edu/>.
- Class Schedule Planner at <http://planner.iastate.edu/>.
- Other departmental information applicable to their curriculum.

To register, follow these steps:

- 1 Students meet with their academic adviser, who will provide the following:
  - a. degree audit
  - b. guidance in course selection
  - c. registration authorization card, with RAN, if applicable.
- 2 Students choose specific sections for each course they want to take. In most cases, their adviser will not be involved in selecting meeting times. Students can use the Schedule of Classes (<http://classes.iastate.edu/>) and Class Schedule Planner (<http://planner.iastate.edu/>) to plan their schedule.
- 3 Students should review their registration start date/time information and any registration hold information on AccessPlus, under Current Information. Students must resolve holds on their registration in order to register for classes.
- 4 Register for courses using the AccessPlus registration system. Room locations for courses will be available on AccessPlus in mid-March.
- 5 Students must pay their fees. Registration is not complete until all fees are paid, including, tuition, room and board and other university charges. Students may view their university bill on AccessPlus. Failure to view their account on AccessPlus will not exempt them from late penalties or from having a hold placed on their registration. If they have questions, call 515-294-7388.

## Initiating Registration

The last day to initiate a new registration for Fall 2019 through AccessPlus registration or the Scheduling & Fees Office in 10 Enrollment Services Center is Friday, August 30. A late registration fee is assessed for a registration initiated on or after the first day of classes. See the Tuition and Fees section for the late fee amounts.

## Cancelling Registration

Notify the Office of the Registrar by 4 p.m. Friday, August 23, of intent to cancel registration, or drop all classes on AccessPlus by 10 p.m. Sunday, August 25 to avoid tuition assessment. For information and a cancellation form, go to the ISU index under Cancelling Registration.

## RAN

The registration access number (RAN) is a confidential, personal number required by some colleges to use the registration system. Colleges that do not require a RAN are Business, Vet. Med., and the Graduate College. Students will be held accountable for all changes made to the schedule through AccessPlus, therefore this number should not be shared. A new RAN will be assigned each registration period.

## Registration System Abuse

Using the AccessPlus registration system is a privilege, which may be revoked if abuse is detected. Abuse includes, but is not limited to, creating and using an automated program to search for course openings and/or enrolling in a section with the intent of reserving space in that particular section for another student. The Office of the Registrar, college office, and/or advisers have the right to determine abuse and revoke privileges for any type of registration system abuse.

### AccessPlus Registration Tips

Hours for the system: Monday-Saturday, 7 a.m. - 11 p.m.

- Review schedule for time conflicts.
- If students need to register for a course that currently has no space available, please attempt to add the course anyway. Requesting a closed course will help departments determine what course demands are still unmet.
- When making a section change within a course, try to add the new section first. If the requested section is open, the previous section will automatically be dropped from their schedule.
- Entering the Registration Access Number (RAN) is no longer required once courses exist on their schedule. If they are already registered, they won't need to enter the RAN again to change their schedule.
- If they get the message "You have requested a restricted section for which you are not eligible," click on the Details button on the Search page to view course section restrictions.
- If students are in a learning community, they must add the learning community reference number first before other courses exist on their schedule. They cannot drop a L TM without dropping all associated courses.

# Schedule of Classes

<http://classes.iastate.edu/>

Schedule of Classes information can be accessed directly at <http://classes.iastate.edu/>. The Schedule of Classes information is updated regularly through the first week of a term. In addition to the course listing, the online information includes meeting rooms, seats open and additional instructor assignments as they become available.

Follow the instructions on the Search Tips link to assist when locating classes. The information is especially helpful if looking for courses in specific categories e.g., half term, U.S. Diversity/International Perspectives, or courses offered at a specific time of day.

# Schedule Planner

<http://planner.iastate.edu/>

The Class Schedule Planner allows schedule planning using courses displayed in the Schedule of Classes at <http://classes.iastate.edu/>.

Courses and/or sections can be selected for a particular term, as well as block out unavailable class days and times. Based on selections, Class Schedule Planner can return all possible schedules in a color coded grid format.

Though it is a web-based application, the Class Schedule Planner does not require authentication (no user ID, PIN, or password). This application serves as a planner and, as such does not have the ability to perform any course registrations. The application requires users to have Java on their computer. For more information see the Help link in the Class Schedule Planner.

# AccessPlus

<https://accessplus.iastate.edu/>

AccessPlus is a secure and confidential campus information system that allows students to view a personalized menu from a campus or home workstation. A university ID plus a password are required to view personal information. AccessPlus is available to Iowa State University students and faculty/staff, day or night, seven days a week, from anywhere in the world. Log out of AccessPlus if using a public computer. The following is a partial list of services available on AccessPlus:

- Register for classes
- View or print a current term or future term class schedule
- View residence hall information
- Complete residence hall contract
- Choose dining plan
- Buy Dining Dollars
- Add value to CyCash
- Search for jobs on and off campus
- Sign up for direct deposit of payroll
- View payroll information
- Review, accept/decline, release financial aid
- Sign up for direct deposit of excess financial aid funds
- View, print, and pay university bill
- View or print grades
- Verify address and other personal information
- Update in-session or interim address
- Print unofficial transcript
- Order official transcript
- Print 1098T tuition summary statements for tax reports

# Schedule Changes

## Dropping and Adding Courses

Procedures for schedule changes vary based on the time period of the semester. The effective date of a schedule change is the date when the change is entered into the registration system.

Schedule change periods are as follows:

Period 1 ends the fifth day of classes in the fall and spring semesters. Schedule changes during period 1 are free and do not require adviser signature. Instructor or departmental approval may be required for adds or section changes for some courses during Period 1. Course drops during this period do not count toward a student's ISU drop limit and will not appear on a student's permanent record. Schedule changes during period 1 may be processed through AccessPlus or presenting a Schedule Change/Restriction Waiver form to the Registrar's Scheduling & Fees Office, 10 Enrollment Services Center.

Period 2 ends the Friday of week 10 in the fall and spring semesters. During this period, schedule changes require signatures of adviser and instructor and are processed on a Schedule Change/Restriction Waiver form. Completed forms are processed in 10 Enrollment Services Center. Course drops after period 1 count toward a student's ISU drop limit and appear as an X on the permanent record.

A section change does not require a drop.

Drops and other schedule changes that are judged to be beyond the student's control may be processed as administrative actions if approved as such by the college dean. Administrative drops do not count toward a student's ISU drop limit or appear as an X on the permanent record. The effective date of an administrative action is the date approved by the college student services office and/or college dean of the student's college.

Period 3 is anytime after period 2. Schedule changes during this period are permitted only for extenuating circumstances, may require a written statement of support from the instructor and the student, and must be approved by the college student services office and/or dean of the student's college.

Half-semester courses and partial term courses: Specific deadlines for adding and dropping half-semester courses are published in the university calendar. Appropriate adjustments to add and drop deadlines are made for other partial term courses. To find out specific deadlines for partial term courses, go the ISU index under Schedule Changes, or contact the Registrar's Scheduling & Fees Office, 10 Enrollment Services Center, 294-2331.

## R-Credit Courses (required courses)

Processing a scheduling change for a required course is usually considered administrative. There is no fee for administrative schedule changes. Administrative drops do not count toward a student's ISU drop limit and do not appear as an X on the permanent record. To make a Period 3 R-credit drop administrative requires approval of the college dean.

Tuition adjustment for reduction of total credits is based on the effective date of the change. For more information on tuition adjustments, see the "Tuition and Fees" section of this Schedule of Classes.

## Drop Limit

Undergraduate students have a limited number of courses they may drop during their academic careers. (These are drops processed after the fifth day of classes each semester.) Students who enter Iowa State as freshmen are allowed to drop a maximum of five courses during their undergraduate career. Students entering at a level above freshman classification or in the College of Veterinary Medicine are allowed to drop a maximum of four courses. Courses dropped during a student's first semester do not count towards this limit. The summer semester does not count as a first semester for this purpose. Students enrolling at Iowa State after receiving a bachelor's degree will be allowed two drops.

Exceptions may be made for courses that are requested to be dropped for reasons beyond the student's control. These exceptions are granted only by the college student services office and/or dean.

Each semester your grade report on AccessPlus indicates the number of drops you have left. Students are responsible for not exceeding the limit. If you attempt to drop a course beyond the limit without special permission from your college dean, the course will remain on your schedule and you will receive a grade at the end of the semester.

# Fall 2019 Fee Schedule

Tuition & fees are subject to change without notice. for the most current tuition & fee rates visit [www.registrar.iastate.edu/fees/](http://www.registrar.iastate.edu/fees/)

## Additional information:

Audits and zero credit courses: assessed according to contact hours; maximum charge for zero credit courses is three credit hours

Partial credits (.5): assessed on the next larger whole number of credits, e.g., 6.5 credits is assessed as 7 credits.

Summer session: based on per credit as indicated in the fee schedule.

Tuition assessment for study abroad credits: up to a maximum of 12 credits, is above and beyond tuition for other courses taken during the same term.

- Interim (partial-semester, between-terms), audit (zero-credit), and in absentia (research, away from campus study) courses are assessed fees as listed in the current fee schedule.
- One-half credits are assessed at the next larger whole number; e.g. 3 1/2 credits are assessed at the 4-credit rate.
- R-credit(Required credit) coursework is assessed minimum tuition and fees equal to the 1 credit rate when it is the only course in which a student is registered. No tuition and fees will be assessed to a R-credit course when a student is enrolled in other credits in the same term or if the R-credit course is a co-op, internship or other practical experience.
- Workshop fee for one-credit workshops, with no other course enrollments, is \$277 for undergraduate students and \$452 for graduate students.
- Zero credit course is assessed based on contact hours with a maximum assessment of 3 credits.

# Tuition and Fees

Tuition and fees are subject to change without notice.

## Payment of Fees

The Accounts Receivable Office bills students for tuition, room, meal plan, and various other university charges. A statement of new charges will be available the first of each month on their AccessPlus account. Students will receive an e-mail message at their Iowa State e-mail address telling them that their bill is available on AccessPlus. It is their responsibility to ensure that the university has a correct e-mail address and to regularly check their Iowa State e-mail account. If they are unable to use AccessPlus to view their bill, they should contact the Accounts Receivable Office to learn the amount of their account balance due. Failure to view a billing statement will not exempt them from late penalties or from having a hold placed on their registration. Payments for fall semester are due August 20. Payments for spring semester are due January 20. Payments for summer semester are due May 20.

Students may pay their university bill (u-bill) electronically on AccessPlus, by dropping off a check (Include Name & ID #) in the drop box behind the Student Answer Center - Ground Floor - Beardshear Hall or in the south door of 1220 Beardshear Hall, or by mailing a check (Include Name & ID #) to the Treasurer's Office 1220 Beardshear Hall - Ames, IA 50011-2044. Cash Payments are not recommended. If you have cash, you may purchase a cashier's check made payable to Iowa State University (fee waived) at the University branch of US Bank 2546 Lincoln Way and then mail or drop off your payment. Payments must be received by the due date to avoid penalties. If you have questions regarding your U-Bill you can access your U-Bill on AccessPlus on computers conveniently located behind the Student Answer Center or contact the Receivables Office - 0880 Beardshear Hall - 515-294-7388.

## Deferred Billing

Each term, if students do not pay their first installment in full by the due date they automatically select the deferred option, and will be charged a \$20 administrative fee. University fees may be paid in three installments each academic term. Payments for fall semester will be due August 20, September 20, and October 20. Payments for spring semester will be due January 20, February 20, and March 20. Summer fees will be due May 20, June 20 and July 20.

## Monthly Payment Plan

Under the Monthly Payment Plan, students pay the academic costs for fall and spring semesters in 12 installments beginning April 20 and ending the following March 20. The university also offers 11, 10 or 9 month plans. A \$50 enrollment fee is due with the first monthly payment. All payments are deducted from a designated bank account. For more information contact the Accounts Receivable Office.

## Past Due Accounts

If payment of the minimum due is not made by the deadline printed on the billing statement, all fees become due immediately. A one-percent finance charge will be assessed on the total amount due at that time, and a "hold" will be placed on their registration until payment of the total amount due has been made. If students have past due accounts receivable charges prior to the beginning of classes, they may be dropped from enrollment if these past due charges are not paid by the Friday before the first day of class. Students that are subject to being dropped will be notified via their Iowa State e-mail account.

## Cancelling Registration

A cancellation is processed when a student notifies the Office of the Registrar of their decision not to attend classes for the current semester prior to the day class work begins. All courses are removed and no tuition and fees are assessed. To cancel registration and avoid tuition penalty assessment, notify the Office of the Registrar by 4:00 p.m. Friday, August 23; or drop all of your classes through AccessPlus by 10 p.m. Sunday, August 25.

You may cancel your registration by contacting the Office of the Registrar at 515-294-2331 or go to the ISU index under Cancelling Registration. Students should make a record of the name of the person taking the call, as well as the time and date called.

## Withdrawing Registration

Beginning the first day of class (Monday, August 26), students who decide not to continue attending classes must process a withdrawal form.

Students considering a withdrawal from the university should immediately consult their academic adviser to discuss reasons for the withdrawal and alternatives. Should the student still wish to withdraw, the "Request for Withdrawal" form is initiated and submitted to the student's college for approval. If approved, the student's college will forward the withdrawal form to the Office of the Registrar. The student is then withdrawn from all courses based upon the withdrawal date on the form and tuition and fees are adjusted, if appropriate, according to established policies approved by the Board of Regents, State of Iowa. For further information go to the ISU index under Tuition and Fees.

If a withdrawal is requested during add/drop Period 3, the request may be denied if it is determined that academic performance prior to withdrawal is unsatisfactory. If the withdrawal is approved during Period 3 for a student on academic probation, the student will not be permitted to enroll the following term, except under extenuating circumstances. When a student withdraws, the attempted courses are not recorded on the permanent record and are not counted toward the student's drop limit; however, partial term courses completed prior to withdrawal will be included on a student's permanent record.

If the procedures for withdrawing from the university are not followed, instructors will assign whatever grades or marks they consider appropriate. Since these grades may be F's, students are warned that failure to follow the prescribed withdrawal procedures may adversely affect a later application for reentry or transfer to another institution. For more information on withdrawal policies, refer to the Iowa State University Undergraduate and Graduate Courses and Programs catalog.



### Tuition Adjustment Schedule

This tuition adjustment schedule is subject to change.

Tuition adjustments for withdrawals of registration are based upon the following table for Fall 2019:

Withdrawal Date	Student Pays
Aug. 26-30	10%
Aug. 31 Sept 6	25%
Sept. 7-16	50%
Sept. 17-23	75%
After Sept. 23	100%

The Tuition Adjustment Schedule will be pro-rated when partial term courses are involved. See the Tuition Adjustment Schedule on the web for the most common session deadlines. Contact the Scheduling & Fees area of the Office of the Registrar at 515-294-2331 or registrar@iastate.edu for questions or deadlines for courses offered during sessions that are not specifically listed on the Tuition Adjustment Schedule.

The tuition adjustment schedule for a schedule change is based on the effective date of the change. Fees are assessed based on the student's total credit hours as of the set fee assessment date. During the summer term the set fee date will depend upon the length of the individual course in which the student is enrolled. Students who drop below full-time before the set fee assessment date will receive a credit adjustment of 100%, with no adjustment after the set fee assessment date. Students who add courses at any time during the semester will be assessed tuition and fees if applicable according to the fee schedule. Contact the Scheduling & Fees area of the Office of the Registrar for deadline related to specific courses.

### Tuition Adjustment Schedule for Workshops and Short Courses

Students who drop one- or two-week workshops or short courses on or before the first class meeting receive a 100% tuition adjustment for the course. No tuition adjustment will be made after the first day of classes. Students who drop three-week courses will also receive a 100% adjustment if you drop on or before the first day of classes, but will also receive a 90% adjustment if they drop on the second day of classes and no adjustment after the second day of classes.

### Appealing Tuition Assessments

Students may appeal a tuition and fees assessment for withdrawal by obtaining a "Procedures for Appealing Assessed Tuition" form from the Scheduling & Fees Office, 10 Enrollment Services. The Office of the Registrar will review appeals for possible tuition and fees adjustment for the semester in question only after the written appeal and

appropriate support documentation are received from the student. Determinations will be made by the Office of the Registrar based on extenuating circumstances beyond the control of the student. The results will be sent to the student in writing. Students may appeal the decision of the Office of the Registrar by writing an appeal letter to the Tuition Appeals Review Committee. This letter should be submitted to the Office of the Registrar within 10 calendar days after receiving the original decision. A final appeal of the Tuition Appeals Review Committee decision can be made by submitting a request in writing to the Office of the Provost.

### GLOSSARY OF FEES

#### Activity, Services, Building and Recreation Fee

The activity, services, building and recreation fee is a mandatory fee that supports a variety of activities and services for all full time students. It is not based on whether or not a student uses an individual activity or service. This fee provides several benefits such as student admission rates to concerts and athletic events and unlimited use of CyRide. In addition, the fee provides support for campus recreation facilities, the Memorial Union, and campus organizations and services as allocated by the Government of the Student Body. Full-time students will be charged \$351.20 each fall and spring semester, and all students will be charged \$166.50 for the summer semester.

Exemptions are granted for students exclusively registered for the following: distance education courses (courses with sections beginning with an X); continuous registration courses, or students enrolled under the Post Secondary Enrollment Options Act. Students in exemption categories named above may elect to pay this fee and will be assessed based upon their enrollment status. For students who withdraw or change to an exempt status the tuition adjustment schedule will be used for the activity fee.

#### Admissions Application Fee

A nonrefundable application fee must accompany the application for admission. The application fee is \$40 for domestic undergraduate, \$60 for graduate applicants, \$40 for non-degree graduates, \$50 for international undergraduate applicants, \$100 for international graduate applicants, and \$75 for Veterinary Medicine applicants.

#### Delivery Fees

Some distance education courses have expenses above the cost of tuition to support the added cost of distance education. Applicable delivery fees are listed with the specific course in the Schedule of Classes. Delivery fees also appear on each student's schedule under detail on AccessPlus.



### Health Facility Fee

All students are assessed an \$8 health facility fee, except for students exclusively registered for the following: distance education courses, (courses with sections beginning with an X); courses for which no tuition is assessed; continuous registration status courses; graduate students enrolled in Psych 597, 697; or high school students enrolled under the Postsecondary Enrollment Options Act. (Note: The health facility fee is mandatory for all students enrolled in the Students and Scholars Health Insurance Plan including all international students on an assistantship.)

For students who withdraw or change to an exempt status as defined above, the tuition adjustment schedule will also be used for the health facility fee.

### Health Fee (Mandatory)

All students are assessed an \$120 Health Fee, except for students enrolled for four credits or less or students exclusively registered for the following: distance education courses (courses with section beginning with an X); courses for which no tuition is assessed; continuous registration status courses; weekend MBA courses; Lakeside Lab or geology field camp courses; graduate students enrolled in, Psych 597, 697, or high school students enrolled under the PostSecondary Enrollment Options Act. (Note: The health fee is mandatory for all students enrolled in the Students and Scholars Health Insurance Plan including all international students on an assistantship.)

Students who withdraw or change to an exempt status (as defined above) will receive a credit adjustment of 100% through the tenth class day (September 7) with no adjustment after that time. No adjustment can be made if a student has used the services of the Thielen Student Health Center prior to withdrawing from or changing to an exempt status at the university. Students who add courses at any time during the term will be assessed the Health Fee according to the guidelines stated above.

Students who are exempt from the mandatory Health Fee may use the services of the Thielen Student Health Center on a fee for service basis or may elect to pay the \$98 Health Fee and \$8 Health Facility Fee, which allows participants to receive services at the Thielen Student Health Center for the same rate as students who pay the mandatory health fee. Spouses/domestic partners of students who wish to use the Thielen Student Health Center must pay the \$98 Health Fee and \$8 Health Facility Fee.

Contact the Thielen Student Health Center at 515-294-7523 for more information on adding the Health Fee.

### Late Registration Fee

Sunday, Aug. 25 is the last day to initiate a registration for full semester courses for Fall 2019 without a late registration fee. Beginning Monday, Aug. 26, undergraduate students are assessed a late registration fee of \$20. Graduate students are assessed a late registration fee of \$30 the first week of classes, \$60 the second week, and \$100 the third week or later.

### New Student Programs/Matriculation Fee

A \$195 fee is assessed to all new degree-seeking students prior to admission. This fee does not apply to nondegree seeking students, veterinary medicine students, graduate students, or students enrolled exclusively in distance education courses.

### Special Course Fees

Some courses have expenses above the cost of tuition that enhance the instruction. These fees may cover the cost of field trips, use of equipment, materials or supplies, or professional support. Applicable special course fees are listed with the specific course in the Schedule of Classes. For more information go to the ISU index under Schedule of Classes. Special course fees also appear in each student's schedule detail available on AccessPlus.

### Health Facility Fee

All students are assessed an \$8 health facility fee for Fall 2019, except for students exclusively registered for the following: distance education courses; (courses with sections beginning with an X); courses for which no tuition is assessed; continuous registration status courses, graduate students enrolled in Psych 597, 697; or high school students enrolled under the Postsecondary Enrollment Options Act. Note: The health facility fee is mandatory for all students enrolled in the Students and Scholars Health Insurance Plan including all international students on an assistantship. For students who withdraw or change to an exempt status as defined above, the tuition adjustment schedule will also be used for the health facility fee.

# Graduation

## Undergraduate Students

Fall 2019 graduating seniors are encouraged to submit applications for graduation after registering for their final semester. Applications are available from the adviser, college student services office, the Registrar's Graduation Office, 210 Enrollment Services Center, or go to the ISU index under Graduation and Commencement. The application is due in 210 Enrollment Services Center by the last working day in May.

Students will be notified of their graduation status no later than midterm. Graduation mailings will be sent to the in-session address. Financial obligations owed to the university and loan exit interviews must be completed, as required, before graduation.

The University Ceremony, attendance, and diploma mailing information will be emailed to their ISU email address approximately four weeks before graduation. If they do not receive this information, contact the Registrar's Graduation Office, 210 Enrollment Services Center, (515)294-9372; e-mail: [graduation@iastate.edu](mailto:graduation@iastate.edu).

University commencement ceremony will be held Sat., Dec., 21, at 1:30 p.m., in Hilton Coliseum.

Final grade checks will be made approximately two weeks after the end of the semester and diplomas will be mailed to all successful degree candidates.

For more information, contact the Graduation Office, 210 Enrollment Services Center, (515)294-9372 or e-mail: [graduation@iastate.edu](mailto:graduation@iastate.edu).

## Teacher Licensure

Students graduating with a teaching emphasis may obtain application forms for the Iowa Teachers License in the Human Sciences Student Services Office, 0131 MacKay. Completed forms and licensure fee should be returned to Human Sciences Student Services by the end of the first week of the semester in which the student plans to graduate.

## Graduate Students

Specific deadlines have been set by the Graduate College for all graduate students. Failure to meet these deadlines may result in the removal of the student's name from the graduation list for Fall 2019.

- An "Application for Graduation" (diploma slip) should be obtained from the students department or the Graduate College website and filed in the Graduate College by Sept. 13.
- Last day for graduate students to cancel graduation is Nov. 6. All graduate students who haven't cancelled by this date will be assessed a nonrefundable graduation fee.
- A Request for "Final Oral Examination" form should be obtained from the students department and submitted to the Graduate College at least three weeks before the final oral examination.
- Final oral examination must be taken by Nov. 26.
- Final signed thesis/dissertation form must be submitted to the Thesis Office, 1137 Pearson, by Nov 27. Last date for students with a thesis/dissertation (ETD) to upload final thesis to ProQuest/UMI for thesis approval must be submitted by Dec. 5.
- Signatures must be obtained on the "Graduate Student Approval Slip" by Dec. 5. This form will be sent to their major professor or department when their "Request for Final Examination" is approved. All incompletes from past terms and conditions on the final examination must be removed by this date.
- Financial obligations owed to the university and loan exit interviews must be completed, as required, before graduation.

Ceremony, attendance, and diploma mailing information will be e-mailed from the graduation office to the student's in-session-mail address approximately four weeks before graduation. Please notify the Office of the Registrar, 214 Enrollment Services Center, of any address changes. Contact the Registrar's Graduation Office, 210 Enrollment Services Center, (515)294-9372 or e-mail: [graduation@iastate.edu](mailto:graduation@iastate.edu) if graduation e-mail information is not received.

Final grade checks will be made approximately two weeks after the end of the semester and diplomas will be mailed to all successful degree candidates. For more information, contact the Graduate College, 1137 Pearson, (515)294-4531.

# Student Records

## Degree Audits

The degree audit lists the courses needed to fulfill graduation requirements for a specific degree program. The purpose of the degree audit is to provide assistance to the student and adviser in choosing courses during the registration process, and to verify the student's progress toward graduation.

If a student is considering changing their major, they may view an alternate degree audit, for the major in which they have an interest, through AccessPlus

## Transcripts

An official transcript may be ordered through AccessPlus; the Office of the Registrar, 214 Enrollment Services Center; or by faxing a downloaded form available from the ISU index under Transcripts, How to Order. Transcripts will not be issued if the student has any transcript holds for financial delinquency. Students attending ISU after 1996 may also view their unofficial transcript using the AccessPlus system

## Grade Reports

Students can view their grades on AccessPlus by logging in and selecting "Grade Report" from the menu. Grades and marks that may appear on their grade report include the following:

Grade	Quality Points	Grade	Quality Points
A	4.00	C	2.00
A-	3.67	C-	1.67
B+	3.33	D+	1.33
B	3.00	D	1.00
B-	2.67	D-	0.67
C+	2.33	F	0.00

P = Passing (under the Pass-Not Pass system)

NP = Non-passing (under the Pass-Not Pass system)

S = Satisfactory

T = Satisfactory performance (equivalent to a grade of C or better) in a special exam for academic credit

X = Course dropped by the student after the first week of the semester

N = No report submitted by the instructor

I = Incomplete

For more complete information about Iowa State University's grading system, please refer to the Academic Life section of the Iowa State University Undergraduate and Graduate Courses and Programs catalog.

## Repeated Courses

If a course is repeated, the permanent record will show the grade on the initial attempt as well as grades received on subsequent attempts. However, only the most recent grade will be used in computing the cumulative grade-point average rather than the previous grade(s). Undergraduate and special students may only repeat up to a limit of 15 semester credits.

Approval to repeat a course after more than three semesters (not including summer) must be noted on a Designation of Repeated Course form. This form can be obtained from departmental offices and must be signed by the student's adviser and the head of the department offering the course. This form is also used if the course number or number of credits has changed from a previous catalog or if the course is being repeated to reduce a transfer deficiency. Process this form in the Office of the Registrar, 214 Enrollment Services Center.

For more information, please refer to the Academic Life section of the Iowa State University Undergraduate and Graduate Courses and Programs catalog.

## Veterans Educational Assistance

Students planning to receive Veterans Educational Assistance must provide enrollment information to the V. A. clerks in the Office of the Registrar, 214 Enrollment Services Center, when registration is complete or veterans enrollment certification will be canceled. Veterans must also notify the V.A. clerks when changing credit hours or withdrawing from school. Credit hour requirements are:

<u>Undergraduate</u>		<u>Graduate</u>
12 cr.	Full allowance	9 cr.
9-11.5 cr.	3/4 allowance	7-8.5 cr.
6-8.5 cr.	1/2 allowance	5-6.5 cr.
1-5.5 cr.	Proration of fee over period enrolled	1-4.5 cr.

Audited courses do not apply toward V. A. benefits.

Students receiving Veterans Educational Assistance are required by the V. A. to attend class regularly to maintain their V. A. eligibility. Instructors are obligated to notify the Office of the Registrar if a student receiving V. A. benefits is not attending class. Notification is then forwarded to the Veterans Administration

## Information Disclosure for Students

Iowa State University is required by law to make available to enrolled students, prospective students, and their parents certain information about the University. The information disclosure is available through the ISU index under Information Disclosure for Students and Employees. Students with no electronic access can obtain the information from the Office of the Registrar, 214 Enrollment Services Center, 515-294-1840 or from the Office of Admissions, 100 Enrollment Services Center, 515-294-5836. Iowa State will provide a paper copy of the information upon request.

## Policy on Student Names

Board of Regents, State of Iowa universities have a common policy regarding student names and name changes. The name on the student record should be the student's complete and legal name. In evaluating and processing all name change requests, the university reserves the right to require adequate and appropriate documentation as warranted.

## Release of Student Records

The Iowa State University policy concerning the release of student records complies with the Family Educational Rights and Privacy Act of 1974, as amended. The University has designated the following as public information which is available to anyone upon inquiry unless they request that information not be released: name; in-session address and telephone number; campus e-mail address; interim address; home city, county, state, or country; date and place of birth; curriculum; college; year-in-school; enrollment status; dates of attendance at Iowa State; full or part-time status; expected date of graduation; adviser name; awards and academic honors; Iowa State degree(s) and date(s) awarded; previous educational institutions attended, dates

of attendance, and degrees received; participation in officially recognized university activities and sports; and weight and height of members of athletic teams.

To restrict the release of public information students must notify the Office of the Registrar, 214 Enrollment Services Center, and complete the appropriate form no later than the end of the first week of classes.

With the exception of public information, all student records are considered to be confidential and release is restricted according to University policy. A copy of the release policy can be found in the Office of the Registrar or go to the ISU index under Confidential Information Policies. The office also maintains a directory of persons who normally have access to each type of student record.

## Changing an Address on AccessPlus

AccessPlus is Iowa State University's electronic key to personal information via [www.accessplus.iastate.edu](http://www.accessplus.iastate.edu).

Information on AccessPlus is kept confidential. A social security number or university ID number and password are required to view personal information through AccessPlus. To change an address on AccessPlus, do the following:

1. Go to ISU's home page at [www.iastate.edu](http://www.iastate.edu)
2. Choose Students
3. Choose AccessPlus
4. After logging in using a social security number or university ID and password, choose Address Change.
5. Read the announcements on the main AccessPlus page, then select the Students tab and choose Address Change.

Follow the instructions on the screens for In-Session and Interim address changes.

Changes to Residence Hall and payroll records must be handled directly with those offices.

## ISU ALERT

The ISU Alert system (see <http://www.isualert.iastate.edu/>) will quickly alert Iowa State University students, faculty and staff of potentially dangerous situations on the Iowa State University campus. For details on how to review and update your ISU Alert information see <http://isualert.iastate.edu/update.shtml>

## Third Party Access

Third Party Access is an option on AccessPlus that allows students to share access to selected personal information with a trusted third party. For example, Third Party Access allows a student to set up a special account for a parent or family member to view grades and/or pay the university bill. More information on creating third party accounts can be found under Third Party Access on your AccessPlus account.

# Services for Students

## Campus Parking

Vehicles operated on campus must be registered at the Parking Division in 27 Armory. For more information go to the ISU index under Parking Division.

Students who are not Ames residents may purchase permits to park in lot 29 or 29B if space is available. If space is not available, they can utilize the free parking and free shuttle bus at the Ann Campbell Transit Hub. These parking lots are just south of Stephens Auditorium. Students living in Ames are urged to take the Cy-Ride bus from their homes to campus.

## Child Care

Child Care Administration, a unit of Human Resource Services, supports Iowa State University families by linking them with programs and services that can help meet their child care needs. The university child care coordinator is available to assist families in accessing services available both on the campus and in the community. For more information go to the ISU index under Child Care.

For more information about child care options, contact the university child care coordinator at 515-294-8827.

Child care programs located on campus include:

- Center for Child Care Resources: Assistance in locating campus and community child care services, 100 University Village, Suite 1010, 515-294-8833 or 1-800-437-8599
- University Community Childcare at 100 University Village; 515-294-9838
- The Comfort Zone: Daycare for kids who don't feel so good, 100 University Village, 515-294-3333.
- Flex-Care: Part time care for children of ISU students, 100 University Village, 515-294-9838.
- University Child Care Center at Veterinary Medicine, 1700 Christensen Drive, 515-294-2273.
- ISU Child Development Laboratory School, 0351 Palmer Building, 515-294-3040.

## Student Disability Resources

Student Disability Resources coordinates services that students with documented disabilities may need in order to reach their fullest academic potential. As part of the Dean of Students Office, Student Disability Resources staff serve as a resource within the university community concerning students who have a documented disability. SDR provides information, support, constitution, education, referral, and awareness to students, faculty, staff, and the Ames community, and the state of Iowa. For more information, call 515-294-7220, TTY 515-294-6635, or e-mail: [disabilityresources@iastate.edu](mailto:disabilityresources@iastate.edu). To learn more go online to the ISU index under Disability Resources, Students.

## Identification Card (ISUCard)

The Iowa State University student identification card (ISUCard) will be made available to students at the time of their first registration. This is a permanent card to be used while attending Iowa State. Loss of their ISUCard should be reported immediately to the ISUCard Office, 0530 Beardshear, where the lost card will be invalidated. There will be a charge for each replacement of an ISUCard. Disciplinary sanctions may be imposed for improper use of the ISUCard or attempts to obtain, by fraudulent means, any form of identification.

## Spouses/Domestic Partners Cards

The Spouse Activity Card is available at no charge for spouses, domestic partners, and children of students. These cards provide reduced rates at athletic or C.Y. Stephens events but cannot be used for services such as the Lied Recreation Center, CyCash, or Parks Library. To obtain a card, students must bring proof of marriage or relationship (marriage license, joint insurance cards, joint tax return, etc.) to the Student Answer Center, ground floor Beardshear Hall. The Spouse Activity card is valid for one academic year (fall through summer).

To use the services of the Lied Recreation Center, CyCash, Parks Library, or Thielen Student Health Center (spouses/domestic partners must pay the Health Facility and Health Fee), students may apply for the Spouse/Domestic Partner Card. The spouse/domestic partner must bring a photo ID, the student's University ID number, and proof of marriage or relationship (marriage certificate, joint insurance cards or joint tax returns) to the ISUCard Office in 0530 Beardshear. The cost is \$15 per card, payable by cash or check, and the cards expire on June 30 each year.



# Course Information

Course Title	Department	Course Number	Number of Credits
LEGAL ENVIRONMT BUS	ACCT	215	3 CR.
PREREQ: SOPH CLASSIFICATION			Special Notes:
COURSE RESTRICTED TO SOPH AND ABOVE			(prerequisites, restrictions, etc)
5277005 A MWF 9:00-9:50			
5277010 B MWF 11:00-11:50			
Reference Number	Days of the week a Course meets:	Course meeting time	
	M- Monday T- Tuesday W- Wednesday R- Thursday F- Friday		

## Course Listing Information

The first line for each course includes the course title as it will appear on the student's transcripts, department abbreviation, course number, and credits or range of credits for the course.

## Course Numbering System

Courses are numbered from 1 to 699, as follows:

- 1-99: Does not carry credit toward a bachelor's degree.
- 100-299: Primarily for freshmen and sophomores.
- 300-499: Primarily for juniors and seniors.
- 500-599: Primarily for graduate students, but open to qualified undergrads.
- 600-699: For graduate students only.

## Meeting Days and Times for Classes

Meeting days as well as class start and end times are listed in the course offerings section of the Schedule of Classes.

## Course Prerequisites

A prerequisite indicates the specific academic background or general academic maturity considered necessary for the student to be ready to undertake the course. Prerequisites are usually stated in terms of specific courses, but equivalent preparation is usually acceptable.

It is university policy that the instructor shall inform the students at the beginning of each course if students who have not met the prerequisite requirements must drop the course. Conversely, an instructor may waive the prerequisite for a course for which he or she is responsible. Thus, permission of the instructor is understood to be an alternate to the stated prerequisites in all courses.

Course prerequisites are listed in the Online Schedule of Classes as well as in the Courses and Programs section of this publication.



# Course Information

## Auditing Courses

To audit a course means to enroll in the course without receiving credit for the course. Audited courses count towards credit limit but not full-time status. The instructor of the course approves the audit request.

Students are assessed fees as though they are taking the course for credit, but the audited course does not count in determining full-time student status. However, an audited course does count towards the maximum allowable credits per semester. Audited courses do not apply toward V.A. benefits.

Graduate students: An audited course counts as one credit in the graduate student's allowable course load; however, fees will be assessed for the full number of credits for the course. See Index, Graduate College.

Changing status to audit: Changing a course from credit to audit requires dropping the course for credit and adding it as an audit on a schedule change request form. After day 5 of the semester, the drop will count toward the total allowable ISU drops. The drop appears on the student's permanent record and a drop fee will be assessed to the student's university bill.

Rights and privileges: Once enrolled in an audited course, auditors have the same rights and privileges as any student taking the course for credit. Their names appear on the class list with a notation that they are auditing the course. Audited courses do not appear on the student's permanent record except by special request from the student. A request form can be downloaded from the Office of the Registrar web site at [www.iastate.edu/~registrar/forms](http://www.iastate.edu/~registrar/forms). Undergraduate students need approval from the instructor as well as their adviser, and college; graduate students need approval from the instructor as well as their major professor and the Graduate College.

## Audit Deadlines for Full Term Courses

Instructors must approve all audits.

- Adding an audit
  - Through day 5 of classes: instructor approval required.
  - Day 6-10: instructor, adviser approval required; schedule change fee applies.
  - After day 10: only with extenuating circumstances, instructor, adviser, college approval required; schedule change fee applies.
- Changing from credit to audit:
  - Through day 5 of classes: instructor approval required.
  - Day 6-10: instructor, adviser, college approval required; schedule change fee applies.
  - After day 10: only with extenuating circumstances, instructor, adviser, college approval required; schedule change fee applies.
- Changing from audit to credit–(5 days allowed):
  - Through day 5 of classes: instructor approval required.
  - After day 5: instructor, adviser, college approval required; schedule change fee applies.

- Partial semester or summer courses:

Deadlines are determined based on the length of the course. For deadlines concerning partial term or summer courses, contact the Scheduling & Fees Office, 515-294-2331.

## Canceled Courses

Some course sections may be canceled due to low enrollments or departmental staffing situations. If a student enrolls in a section that is subsequently canceled, they will be notified by the Registrar's Scheduling & Fees Office and/or by the department.

## Class Attendance

Students are expected to attend class meetings as scheduled. Each instructor sets his or her policy with respect to class attendance, and excuses for absence from class are handled between the student and instructor. The instructor is expected to announce her or his policy at the beginning of the course. In order to attend a given class, a student must be registered for that class. Exceptions to this policy are at the discretion of the instructor.

## Courses Requiring Permission

Some sections are designated in the Schedule of Classes as permission required. Students may not use AccessPlus to register for these sections. To add a permission required section, obtain the designated departmental signature on the Schedule Change/Restriction Waiver form, and process the form in the Registrar's Scheduling & Fees Office, 10 Enrollment Services Center.

## Course Descriptions

Course descriptions can be found in the Iowa State University Undergraduate and Graduate Courses and Programs catalog. Copies of the catalog may be purchased in campus area bookstores. The information is also available through the ISU index under catalog.

## Credit Involving a Paid Activity

Students may obtain credit for an activity, either on or off campus, for which they are also paid, provided the activity is academically relevant. In order for an activity to be defined as academically relevant, prior arrangements must be made with a faculty member in an appropriate department and must include agreement on (1) the academic objectives which the activity is expected to achieve and (2) the procedure by which the student's learning will be assessed. This policy does not apply to registrations for R credit.

## Credits Limits

For fall and spring semesters, the credit limit is 18 credits for undergraduates and 15 credits for graduate students. For

summer session, the limits are 12 credits for undergraduates and 10 credits for graduate students. Requests to add credits beyond a student's credit limit will be denied. Generally, a student must drop credits before adding another course. individual students. Students may request a change in their credit limit by contacting their adviser. Advisers should notify the student's college student services office if the credit limit needs to be changed.

### Distance Education Course Information

All distance education course and program information is available under the ISU index under Distance Education. Information is added and updated frequently on the website.

### Experimental Courses

Experimental courses (course numbers ending in "X") are not included in the Iowa State University Undergraduate and Graduate Courses and Programs catalog. Course descriptions for experimental courses can be found through the ISU index under Experimental Course Descriptions.

### Late Registration

A late registration fee is charged beginning on the first day of classes. Registration after the fifth day of classes requires written permission from instructor(s), adviser/major professor, and approval from the college office authorized to sign on behalf of the Dean.

### Linked Courses

Linked courses are two-part courses (e.g., Astro 120 has a lecture section and a discussion section) where students must add both a lettered section such as A or B and a numbered section such as 1, 2, or 3, to complete the registration for this course. Students who do not register for both parts of the course will be dropped from the course due to incomplete registration.

### On-Campus Saturday and Evening Courses

Many on-campus evening and Saturday classes are included in the Online Schedule of Classes <http://classes.iastate.edu/>. To search for evening classes from the Online Schedule of Classes, enter pm in the Section field. All courses meeting at 5 p.m. or later will be displayed. Remember that additional offerings may be listed so students should check the meeting times carefully. For questions regarding registration and/or fees, call (515)294-1889.

### Partial-Semester Courses

Some courses are offered on a partial-semester basis. Refer to the course listings section for meeting times.

### Pass-Not Pass

Students must contact their adviser/major professor to determine which courses they may take Pass-Not Pass. To take a course Pass-Not Pass, first add the course through the

web registration system on a graded basis, then to declare the course as Pass-Not Pass, the student must obtain the signature of their adviser/major professor located in the Pass-Not Pass section of the Schedule Change/Restriction Waiver form. Process the form in the Registrar's Student Scheduling Office, 10 Enrollment Services Center. Check the university calendar for deadlines pertaining to Pass-Not Pass changes. For more information, refer to the Iowa State University Undergraduate and Graduate Courses and Programs catalog.

### Registration Holds

If a student has a registration hold, they will not have access to register until the hold has been released by the initiating office. Go to AccessPlus, Current Student Information to view any registration holds.

### Restricted Sections of Courses

Some course sections are restricted to students who meet specific criteria (major, college, year-in-school, etc.). If a department agrees to waive the restriction due to extenuating circumstances, students must obtain the designated departmental signature on a Schedule Change/Restriction Waiver form and process the form in the Registrar's Scheduling & Fees Office, 10 Enrollment Services Center.

### Room Assignments

Beginning Saturday, July 24, students may find room assignments by viewing their schedule on AccessPlus.

### Time Conflicts

University policy states that students may not enroll in courses with time conflicts without approval from the involved instructors and/or departments. The web registration system will not prevent students from scheduling time conflicts, therefore, it is the student's responsibility to check their schedule for time conflicts.

### Validation of Enrollment

To validate a student's enrollment in each course at the beginning of the semester, they must attend the first or second meeting (first meeting if the class meets only once a week). If they add a course after the term begins, they must attend the next class meeting. The instructor has the option to offer a registered place in the course to another student if they fail to validate their enrollment or obtain prior approval of the instructor. Students will not automatically be dropped from the course if they fail to validate their enrollment. A student must process the drop themselves or they will receive an F grade.

### Videotaping/Audiotaping Classes

Courses may be videotaped for various reasons, including distance learning. Instructors may audiotape courses for personal reasons. Audiotapes may be made to accommodate a student's disability. Students shall not record and/or reproduce such audiotapes without the instructor's permission.

# Night Examinations

Night exams may be scheduled for a multi-sectioned course if a common departmentally developed examination will be administered to all students in the course at the same time, and test scores will be used as a basis for uniform grading for all sections of the course. Night exam requests must be approved by the Provost and announced in the Schedule of Classes.

Whenever a night exam is administered, a regular class meeting during that week will be omitted. Students who are unable to take a night exam at a scheduled time because of a course conflict or other legitimate reason must notify the instructor in advance. The student must be given the opportunity to be examined at another time mutually convenient for the student and the instructor. The instructor will determine whether to administer the same exam or an alternate exam, or use an alternate assessment procedure. Graduate faculty who want to administer a night examination should work directly with Room Scheduling to ensure that a room is available for the exam.

Night Exams for Fall 2018

Updates are posted on the web under Night Exams.

# Credit by Examination

## General Information

Students may earn academic credit by examination. A fee is charged for each examination. Two types of credit by examination are available at Iowa State University: departmental exams and CLEP (College Level Examination Program) exams. Most exams are given during the first week of classes and require prior arrangements. CLEP Exams are given throughout the year. All arrangements are initiated by the student and fees are non-refundable. Discuss test-out plans with an adviser to verify applicability of credit earned. Test-out credit is recorded during the semester the exam is taken. Once recorded, test-out credit will appear on the students degree audit and permanent record.

Students should take a test-out exam the semester before planning to take the course. In some courses, students who plan to take the test-out exam may not be allowed to register for the course in the same semester. For more information, refer to the Iowa State University Undergraduate and Graduate Courses and Programs catalog.

## Departmental Test-out Exams

Departmental test-out exams are available for many courses. For more information about available tests, testing times, and costs, go to the ISU index and choose Test Out Exams.

## CLEP Exams

CLEP examinations are national computer based tests authorized by ISU for credit in specific classes and general areas of study. Credit may be granted for a score at or above a B grade level. For most current minimum test score information refer to the ISU index under College-Level Exam Program.

CLEP exams are administered by the Student Counseling Service Testing Office, Room. 2062 Student Services Building throughout the year. For information about test registration and fees go to the ISU index, Test Out Exams, CLEP Testing.

CLEP Exam	ISU Courses	Sem. Cr. Awarded
Financial Accounting*	Acct 284	3
American Govt.	Pol S 215	3
Biology**	Biol 101	3
Calculus	Math 165	4
Humanities*	Fine Arts Literature	2 4
Principles of Macroeconomics	Econ 102	3
Principles of Microeconomics	Econ 101 Econ 102	3 3
Natural Sciences*	Biological Science Physical Science	3 3
Introductory Psychology	Psych 101	3
Social Sciences and History*	Social Science History	4 2
Introductory Sociology	Soc 134	3
French Language	Frnch 101, 102 Frnch 101, 102, 201 Frnch 101, 102, 201, 202	8 12 16
German Language	Ger 101, 102 Ger 101, 102, 201 Ger 101, 102, 201, 202	8 12 16
Spanish Language	Span 101, 102 Span 101, 102, 201 Span 101, 102, 201, 202	8 12 16
* Excludes Engineering majors		
** Excludes biology and engineering majors		
***Excludes native or near-native speakers		

# Tentative Final Exam Schedule

Final exams in courses of two or more credits may not be given at a time that differs from the exam time scheduled by the registrar. An instructor may not give a final exam prior to final exam week nor change the published time of the final examination as it appears in the final exam schedule. Permission to change the time for which an exam is scheduled may be given only by the dean of the college. If the instructor elects not to give a final exam, the class is required to meet at the scheduled final exam period for other educational activity such as a review of the course or feedback on previous exams.

With the exception of special group courses, time for examinations is determined by the student's first contact of the week in each course. Special group courses will be scheduled after fall semester begins if appropriate exam times and rooms can be arranged. When using this tentative schedule, refer to the list of probable special group exam courses. This list of group exam courses is subject to change.

For courses which are all recitation or lecture, or which have one or more recitations with one or more laboratories, the first recitation or lecture of the week is considered as the first contact of the week. In courses having both recitations and lectures, the department head may determine whether the first lecture or the first recitation is to be considered the first contact.

For courses having a first contact on the half hour, the first full hour following the half hour should be used. For example, 8:30 to 10:00 would have a 9:00 contact, 12:40 to 2:00 would have a 1:00 contact, and so forth.

Courses with lectures scheduled at 6:00 p.m. or later should give their examinations during finals week from 7:00-9:00 p.m. on the day the class normally meets.

Other courses not listed on the exam schedule, such as courses with first contact hour Tuesday at 12 p.m. or on Wednesday, are to have examinations during finals week at a time to be announced by the instructor.

Examinations will be held in the meeting place of the first contact of the week, except those in special groups. For the special groups, the place will be announced by the instructor.

Students who have three or more finals on the same day may request to reschedule a final. To reschedule, the student must notify the instructor on the last day of class before the beginning of dead week so the instructor has time to make appropriate arrangements.

## Tentative Combined Group Exams

The following courses are most likely to have combined group exams scheduled for Fall 2018. (This list of group exam courses may change due to departmental preference and/or time and room scheduling difficulties.) For the list of exam days and times go to the ISU index under Final Exams.

Acct 215, 284, 285	Mat E 273	
Aer E 160/160H		M E 270
Agron 114		Phys 111, 221, 221H,
	222, 222H	
Astro 120		Psych 101, 230, 280
C E 332		SCM 301
Chem 163, 167, 177, 331		Span 101, 201
Chin 101		Stat 326
Com S 207, 227, 228		
E M 274, 274H, 324, 345, 378		
Engr 160, 160H		
Fin 301		
Frnch 101, 201		
FS N 167 sec 1		
Geol 100		
I E 305		
Math 140, 142, 151, 165, 166, 166H, 195, 196, 265, 265H		

Final Exams are based on first contact day and time for additional information go to: <http://www.registrar.iastate.edu/students/exams>

Name (please print) \_\_\_\_\_  
(Last) (First) (Middle) Term \_\_\_\_\_

Please provide your university ID \_\_\_\_\_

If you have a problem with the registration system, call the Registrar's Office (515-294-2331), from 8 a.m. to 4:30 p.m., Monday-Friday.

- A. View the Online Schedule of Classes at <http://classes.iastate.edu/> for the list of classes offered for the term. Use the spaces provided below to plan the courses you want on your schedule.
- B. Meet with your adviser to discuss your courses and to obtain your registration access number (RAN), if required by your college.
- C. Register via AccessPlus at <http://accessplus.iastate.edu/>. Follow the instructions and prompts on the screens. It is your responsibility to check for schedule conflicts. Attempt to add a course you need even if the section is closed. This action helps the University monitor and determine when it's feasible to respond to unmet course demand.
- D. Additional Registration Regulations  
 Using the AccessPlus registration system is a privilege, which may be revoked if abuse is detected. Abuse includes, but is not limited to, creating and using an automated program to search for course openings and/or enrolling in a section with the intent of reserving space in that particular section for another student. The Office of the Registrar, college office, and/or advisers have the right to determine abuse and revoke privileges for any type of registration system abuse.

A late registration fee is assessed for registration initiated on or after the first day of classes for fall and spring terms. This fee is not charged for the summer term. If registration is not completed by the end of the fifth day of classes, you must obtain written permission from your adviser, the instructors for the courses you plan to take, as well as approval from the dean of the college in which you are registered. During the summer session, these approvals must be obtained in order to register after the third day of classes.

Courses—Prepare with alternative course selections in case your first choice courses are closed.

Reference #	Department	Course	Section	Credit	Meeting Day(s) and Time	Notes (OK, full, etc.)
_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____

Alternative courses

_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____

Notes

Adviser signature: \_\_\_\_\_ Date approved: \_\_\_\_\_

## Registration Trial Schedule Grid

	Mon.	Tues.	Wed.	Thurs.	Fri.	Sat.
7:00 a.m.						
8:00 a.m.						
9:00 a.m.						
10:00 a.m.						
11:00 a.m.						
12:10 noon						
1:10 p.m.						
2:10 p.m.						
3:10 p.m.						
4:10 p.m.						
5:10 p.m.						
6:00 p.m.						
7:00 p.m.						
8:00 p.m.						
9:00 p.m.						



## Registration Trial Schedule Grid

	Mon.	Tues.	Wed.	Thurs.	Fri.	Sat.
7:00 a.m.						
8:00 a.m.						
9:00 a.m.						
10:00 a.m.						
11:00 a.m.						
12:10 noon						
1:10 p.m.						
2:10 p.m.						
3:10 p.m.						
4:10 p.m.						
5:10 p.m.						
6:00 p.m.						
7:00 p.m.						
8:00 p.m.						
9:00 p.m.						

## Campus Buildings and Abbreviations

Abbr.	Building	Abbr.	Building
Agron	Agronomy Hall	L A	Landscape Architecture Bldg. Bessey
Ames Hi	Ames High School	L Mech	Laboratory of Mechanics
Armory	Armory	Lagomar	Lagomarcino Hall
Atansff	Atanasoff Hall	LeBaron	LeBaron Hall
Bessey	Bessey Hall	Library	Parks Library
Beyer	Beyer Hall	Lloyd	Lloyd Veterinary Medical Center
BRL	Biorenewables Research Laboratory	MacKay	MacKay Hall
Black	Black Engineering Bldg.	MWL Com*	Maple-Willow-Larch Commons
Carver	Carver Hall	Martin	Martin Residence Hall
Com Bldg	Communications Bldg.	Marston	Marston Hall
Coover	Coover Hall	Meats L	Meats Laboratory
Curtiss	Curtiss Hall	Mem Un/MU	Memorial Union
Dairy F	Dairy Farm	Mol-Bio	Molecular Biology Bldg.
David	Davidson Hall	Morrill	Morrill Hall
Design	College of Design	Music	Music Hall
Durham	Durham Center	NSRIC	National Swine Research and Information Center
E Hall	East Hall	Palmer	Palmer HDFS Bldg.
Elings	Elings Hall	Pearson	Pearson Hall
Farm Bu	Farm Bureau Livestock Pav. (Kildee)	Physics	Physics Hall
Food Sc	Food Sciences Building	Phys A	Physics Addition
Forker	Barbara Forker Building	Roberts*	Roberts Residence Hall
Friley*	Friley Residence Hall	Ross H	Ross Hall
Gerdin	Gerdin Business Building	Scheman	Scheman Building
Gilman	Gilman Hall	Science	Science Hall I
Hach	Hach Hall	Sci 2	Science Hall II
Hamiltn	Hamilton Hall	Seed	Seed Science Bldg.
Heady	Heady Hall	Sned H	Snedecor Hall
Hoover	Hoover Hall	St Gym	State Gymnasium
Horse B	Horse Barn	Sukup	Sukup Hall
Hort	Horticulture Hall & Greenhouse	Sweeney	Sweeney Hall
Howe	Howe Hall	Town	Town Engineering Bldg.
I Ed I	Industrial Education Bldg. I	Troxel	Troxel Hall
I Ed II	Industrial Education Bldg. II	Vet Med	Veterinary Medicine Bldg.
Insect	Insectary and Greenhouse	Wilhelm	Wilhelm Hall
Jischke	Martin Jischke Honors Bldg.	Zaffrno	Zaffarano Physics Addition
Kildee	Kildee Hall		
King PV	King Pavilion		

\*Residence Hall

### Other Campus Buildings

ASB	Administrative Services Bldg.	Hixon	Hixon-Lied Student Success Center
Alumctr	Alumni Center	Enrl Sc	Enrollment Services Center
Bdshr	Beardshear Hall	Jacobsn	Richard Jacobson Athletic Bldg.
Campani	Campanile	Lied/Rec	Lied Recreation Center
Catt	Carrie Chapman Catt Hall	Scheman	Scheman Building
Enrl Sc	Enrollment Services Center	Sloss H	Sloss House
Farm H	Farm House Museum	Stadium	Jack Trice Stadium
Fisher	Fisher Theater	Std Hth	Thielen Student Health Center
Hilton	Hilton Coliseum	Std Ser/SSB	Student Services Bldg.
Hub	Hub	Stephen	Stephens Auditorium



**ACCOUNTING**

LEGAL ENVIRONMT BUS ACCT 215 3 CREDITS  
 Prereq: SOPH CLASSIFICATION  
 Note: COURSE NOT OPEN TO FRESHMEN OR GRADUATE STUDENTS  
 5277005 1 MWF 8:00-8:50  
 MEETS: AUG 26-DEC 20  
 5277010 2 MWF 9:00-9:50  
 MEETS: AUG 26-DEC 20  
 5277015 3 MWF 1:10-2:00  
 MEETS: AUG 26-DEC 20

FINANCIAL ACCOUNTNG ACCT 284 3 CREDITS  
 Note: COURSE NOT OPEN TO GRADUATE STUDENTS  
 1110005 1 TR 8:00-9:15  
 MEETS: AUG 26-DEC 20  
 1110010 2 TR 9:30-10:45  
 MEETS: AUG 26-DEC 20  
 1110015 3 MWF 10:00-10:50  
 MEETS: AUG 26-DEC 20  
 1110020 4 MWF 12:10-1:00  
 MEETS: AUG 26-DEC 20

MANAGERIAL ACCOUNTG ACCT 285 3 CREDITS  
 Prereq: ACCT 284  
 Note: GRADUATE STUDENTS SEE 1200 GERDIN FOR PERMISSION TO ADD  
 1112005 1 MWF 9:00-9:50  
 MEETS: AUG 26-DEC 20  
 1112010 2 MWF 11:00-11:50  
 MEETS: AUG 26-DEC 20  
 1112015 3 MWF 12:10-1:00  
 MEETS: AUG 26-DEC 20  
 1112020 4 MWF 1:10-2:00  
 MEETS: AUG 26-DEC 20  
 1112025 5 TR 8:00-9:15  
 MEETS: AUG 26-DEC 20  
 1112030 6 TR 9:30-10:50  
 MEETS: AUG 26-DEC 20  
 1112035 7 TR 11:00-12:15  
 MEETS: AUG 26-DEC 20  
 1112040 8 TR 2:10-3:25  
 MEETS: AUG 26-DEC 20  
 1112045 9 TR 3:40-4:55  
 MEETS: AUG 26-DEC 20

THE ACCOUNTNG CYCLE ACCT 301 1 CREDIT  
 Prereq: ACCT 284  
 Note: CONCURRENT ENROLLMENT IN ACCT 285 RECOMMENDED.  
 COURSE RESTRICTED TO ACCT, ACSCI, BUS S, BUS U, BUSEC,  
 ENTSP, FIN, MGMT, MIS, MKT, P BUS, SCM UNDERGRADS.  
 GRADUATE STUDENTS GO TO 1200 GERDIN FOR PERMISSION TO  
 REGISTER. THIS COURSE CARRIES AN ADDITIONAL COST OF  
 APPROXIMATELY \$50 TO ACCESS THE REQUIRED COMPUTER  
 SOFTWARE PROGRAM.  
 1078005 1 ARRANGED  
 MEETS: AUG 26-DEC 20  
 Note: Course delivery is WWW

BSNSS DATA STRM&ISS ACCT 315 3 CREDITS  
 Prereq: COM S 113  
 8259005 1 T 6:40-9:25PM  
 MEETS: AUG 26-DEC 20

INTMD MANAGERL ACCT ACCT 383 3 CREDITS  
 Prereq: ACCT 285 OR ACCT 501; AND ACCT 301  
 Note: SEC A1,B1,ETC. RESTRICTED TO ACCT UNDERGRAD  
 MAJORS. SEC A2,B2,ETC. RESTRICTED TO ACSCI,  
 BUS S, BUS U, BUSEC, ENTSP, FIN, MGMT, MIS, MKT,  
 SCM UNDERGRADS. NOT OPEN TO P BUS MAJORS.  
 1117005 A1 TR 3:40-4:55  
 MEETS: AUG 26-DEC 20  
 1117010 A2 TR 3:40-4:55  
 MEETS: AUG 26-DEC 20  
 1117015 B1 MWF 10:00-10:50  
 MEETS: AUG 26-DEC 20  
 1117020 B2 MWF 10:00-10:50  
 MEETS: AUG 26-DEC 20  
 1117025 C1 MWF 12:10-1:00  
 MEETS: AUG 26-DEC 20  
 1117030 C2 MWF 12:10-1:00  
 MEETS: AUG 26-DEC 20

ACCT INFO SYSTEMS ACCT 384 3 CREDITS  
 Prereq: ACCT 285 OR ACCT 501; ACCT 301; MIS 301  
 Note: SEC A1,B1,ETC. RESTRICTED TO ACCT MAJORS  
 YR 1-4 ONLY. SEC A2,B2,ETC. RESTRICTED TO  
 ACSCI, BUS S, BUS U, BUSEC, ENTSP, FIN, MGMT, MIS,  
 MKT, SCM MAJORS.  
 1123005 A1 MWF 1:10-2:00  
 MEETS: AUG 26-DEC 20  
 1123010 A2 MWF 1:10-2:00  
 MEETS: AUG 26-DEC 20  
 1123015 B1 MWF 2:10-3:00  
 MEETS: AUG 26-DEC 20  
 1123020 B2 MWF 2:10-3:00  
 MEETS: AUG 26-DEC 20  
 1123025 C1 MWF 11:00-11:50  
 MEETS: AUG 26-DEC 20  
 1123030 C2 MWF 11:00-11:50  
 MEETS: AUG 26-DEC 20  
 1123035 D1 MWF 8:00-8:50  
 MEETS: AUG 26-DEC 20  
 1123040 D2 MWF 8:00-8:50  
 MEETS: AUG 26-DEC 20

ACCOUNTING

(CONTINUED)

INTMED ACCOUNTING I ACCT 386 3 CREDITS  
 Prereq: ACCT 285 AND ACCT 301  
 Note: SEC A1,B1,C1 RESTRICTED TO ACCT MAJORS  
 YR 1-4 ONLY. SEC A2,B2,C2 RESTRICTED TO ACSCI,  
 BUS S, BUS U, BUSEC, ENTSP, FIN, I BUS, MGMT, MIS,  
 MKT, SCM UNDERGRAD MAJORS. NOT OPEN TO P BUS  
 MAJORS.  
 1118005 A1 TR 11:00-12:15  
 MEETS: AUG 26-DEC 20  
 1118010 A2 TR 11:00-12:15  
 MEETS: AUG 26-DEC 20  
 1118015 B1 TR 12:40-1:55  
 MEETS: AUG 26-DEC 20  
 1118020 B2 TR 12:40-1:55  
 MEETS: AUG 26-DEC 20  
 1118025 C1 TR 9:30-10:45  
 MEETS: AUG 26-DEC 20  
 1118030 C2 TR 9:30-10:45  
 MEETS: AUG 26-DEC 20

INTMD ACCOUNTING II ACCT 387 3 CREDITS  
 Prereq: C- OR BETTER IN ACCT 386  
 Note: COURSE NOT OPEN TO P BUS. GRADUATE STUDENTS  
 GO TO 1200 GERDIN FOR PERMISSION TO ADD.  
 SEC A1,B1 ETC RESTRICTED TO ACCT MAJORS YR 1-4  
 ONLY. SEC A2,B2 ETC RESTRICTED TO ACSCI, BUS S, BUS U  
 BUSEC, ENTSP, FIN, MGMT, MIS, MKT, SCM UNDERGRAD  
 MAJORS ONLY  
 1119005 A1 TR 12:40-1:55  
 MEETS: AUG 26-DEC 20  
 1119010 A2 TR 12:40-1:55  
 MEETS: AUG 26-DEC 20  
 1119015 B1 TR 2:10-3:25  
 MEETS: AUG 26-DEC 20  
 1119020 B2 TR 2:10-3:25  
 MEETS: AUG 26-DEC 20  
 1119025 C1 TR 9:30-10:45  
 MEETS: AUG 26-DEC 20  
 1119030 C2 TR 9:30-10:45  
 MEETS: AUG 26-DEC 20  
 1119035 D1 MWF 2:10-3:00  
 MEETS: AUG 26-DEC 20  
 1119040 D2 MWF 2:10-3:00  
 MEETS: AUG 26-DEC 20

PRIN FED INCOME TAX ACCT 485 3 CREDITS  
 Prereq: C- OR BETTER IN ACCT 386 OR ACCT 501  
 Note: COURSE NOT OPEN TO P BUS. GRADUATE STUDENTS  
 GO TO 1200 GERDIN FOR PERMISSION TO ADD.  
 SEC A1,B1,ETC. RESTRICTED TO ACCT UNDERGRADS.  
 SEC A2,B2,ETC. FOR ACSCI, BUS S, BUS U, BUSEC,  
 ENTSP, FIN, MGMT, MIS, MKT, SCM UNDERGRADS.  
 Night exams scheduled. For dates go to  
<http://www.registrar.iastate.edu/students/exams/night-exams>.  
 1121005 A1 MWF 12:10-1:00  
 MEETS: AUG 26-DEC 20  
 1121010 A2 MWF 12:10-1:00  
 MEETS: AUG 26-DEC 20  
 1121015 B1 MWF 10:00-10:50  
 MEETS: AUG 26-DEC 20  
 1121020 B2 MWF 10:00-10:50  
 MEETS: AUG 26-DEC 20  
 1121025 C1 MWF 2:10-3:00  
 MEETS: AUG 26-DEC 20  
 1121030 C2 MWF 2:10-3:00  
 MEETS: AUG 26-DEC 20

NONPROFIT INST ACCT ACCT 488 3 CREDITS  
 Prereq: ACCT 386  
 Note: COURSE RESTRICTED TO ACCT UNDERGRAD MAJORS  
 MAJORS ONLY. NOT OPEN TO P BUS MAJORS.  
 GRADUATE STUDENTS GO TO 1200 GERDIN FOR PERMISSION  
 TO ADD.  
 1120005 1 MWF 11:00-11:50  
 MEETS: AUG 26-DEC 20

INDEPENDENT STUDY ACCT 490 1- 3 CREDITS  
 Prereq: ACCT 285, SENIOR CLASSIFICATION,  
 PERMISSION OF INSTRUCTOR  
 Note: Department permission required.  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

ADV ACCT PROBLEMS ACCT 495 3 CREDITS  
 Prereq: ACCT 387  
 Note: COURSE RESTRICTED TO ACCT MAJORS YR 1-4 ONLY.  
 GRADUATE STUDENTS GO TO 1200 GERDIN FOR PERMISSION  
 TO ADD.  
 7148005 1 TR 11:00-12:15  
 MEETS: AUG 26-DEC 20

ACCT IN GLOBAL ECON ACCT 496 3 CREDITS  
 Prereq: ACCT 386 OR ACCT 501  
 Note: COURSE RESTRICTED TO ACCT, I BUS MAJORS  
 YR 1-4 ONLY. GRADUATE STUDENTS GO TO 1200 GERDIN  
 FOR PERMISSION TO ADD.  
 9026005 1 T 6:40-10:00PM  
 MEETS: SEPT 3-NOV 19

ACCOUNTING

(CONTINUED)

INTRO TO AUDITING ACCT 497 3 CREDITS  
 Prereq: ACCT 384, ACCT 387 AND STAT 326  
 Note: COURSE RESTRICTED TO ACCT MAJORS YR 1-4 ONLY.  
 GRADUATE STUDENTS GO TO 1200 GERDIN FOR PERMISSION TO ADD.  
 1126005 1 MWF 10:00-10:50  
 MEETS: AUG 26-DEC 20  
 1126010 2 MWF 3:10-4:00  
 MEETS: AUG 26-DEC 20

CAPSTONE IN ACCOUNT ACCT 498 2 CREDITS  
 Prereq: ACCT 383, ACCT 384, ACCT 387, CREDIT OR ENROLLMENT IN ACCT 485  
 Note: COURSE RESTRICTED TO SENIOR ACCT MAJORS.  
 GRADUATE STUDENTS GO TO 1200 GERDIN FOR PERMISSION TO ADD.  
 4477005 1 MW 9:00-9:50  
 MEETS: AUG 26-DEC 20  
 4477010 2 MW 4:10-5:00  
 MEETS: AUG 26-DEC 20

FINANCIAL ACCOUNTING ACCT 501 3 CREDITS  
 Prereq: ENROLLMENT IN MBA PROGRAM OR DEPARTMENTAL PERMISSION  
 Note: COURSE RESTRICTED TO ACCT, FIN, SCIS GRADUATE MAJORS ONLY  
 9339005 1 MW 7:30-10:50  
 MEETS: OCT 14-NOV 20

TAXES & BUS STRATEGY ACCT 585 3 CREDITS  
 Prereq: ACCT 485  
 Note: RESTRICTED TO BUSINESS COLLEGE GRADUATE STUDENTS  
 1130005 1 TR 5:10-6:25PM  
 MEETS: AUG 26-DEC 20

ADV FEDERAL TAXATN ACCT 586 3 CREDITS  
 Prereq: ACCT 485  
 Note: RESTRICTED TO BUSINESS COLLEGE GRADUATE STUDENTS  
 7001005 1 MW 5:10-6:25PM  
 MEETS: AUG 26-DEC 20

GOV'T&NON-PRFT ACCT 588 3 CREDITS  
 Prereq: ACCT 387  
 Note: RESTRICTED TO BUSINESS COLLEGE GRADUATE STUDENTS  
 2909005 1 MWF 11:00-11:50  
 MEETS: AUG 26-DEC 20

SPECIAL TOPICS ACCT 590 1- 3 CREDITS  
 Prereq: PERMISSION OF INSTRUCTOR  
 Note: RESTRICTED TO BUSINESS COLLEGE GRADUATE STUDENTS  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

FRAUD EXAM & PREVNT ACCT 591 3 CREDITS  
 Prereq: ACCT 497 OR ACCT 501  
 Note: RESTRICTED TO BUSINESS COLLEGE GRADUATE STUDENTS  
 7436005 1 M 6:40-10:00PM  
 MEETS: AUG 26-NOV 18

ADV ACCNTNG PROBLMS ACCT 595 3 CREDITS  
 Prereq: ACCT 387  
 Note: RESTRICTED TO BUSINESS COLLEGE GRADUATE STUDENTS  
 1011005 1 TR 11:00-12:15  
 MEETS: AUG 26-DEC 20

ACCT IN GLOBAL ECON ACCT 596 3 CREDITS  
 Prereq: ACCT 386 OR ACCT 501  
 Note: RESTRICTED TO BUSINESS COLLEGE GRADUATE STUDENTS  
 2892005 1 T 6:40-10:00PM  
 MEETS: SEPT 3-NOV 19

FIN ACCT:THRY & ISS ACCT 598 3 CREDITS  
 Prereq: ACCT 386 OR ACCT 501  
 Note: RESTRICTED TO BUSINESS COLLEGE GRADUATE STUDENTS  
 5338005 1 W 6:40-10:00PM  
 MEETS: AUG 26-NOV 18

CREATIVE COMPONENT ACCT 599 2 CREDITS  
 Prereq: ADMISSION TO THE MASTER OF ACCT PROGRAM  
 Note: RESTRICTED TO BUSINESS COLLEGE GRADUATE STUDENTS  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

ADVERTISING

ADVERTISING PRINCIP ADVRT 230 3 CREDITS  
 4667005 1 MWF 9:00-9:50  
 MEETS: AUG 26-DEC 20

STRATEG PLAN AD&P.R ADVRT 301 3 CREDITS  
 Prereq: ADVRT 230 OR P R 220  
 Note: SEC 1A,2A,ETC. RESTRICTED TO ADVRT, JL MC, P R SOPHOMORES AND ABOVE. SEC 1B,2B,ETC. RESTRICTED TO MAJORS OTHER THAN ADVRT, JL MC, P R.  
 4439005 1A MW 11:00-12:15  
 MEETS: AUG 26-DEC 20  
 4439010 1B MW 11:00-12:15  
 MEETS: AUG 26-DEC 20  
 4439015 2A TR 9:30-10:45  
 MEETS: AUG 26-DEC 20  
 4439020 2B TR 9:30-10:45  
 MEETS: AUG 26-DEC 20  
 4439025 3A TR 11:00-12:15  
 MEETS: AUG 26-DEC 20  
 4439030 3B TR 11:00-12:15  
 MEETS: AUG 26-DEC 20

ADVERTISING

(CONTINUED)

ADVERTSNG CREATIVTY ADVRT 334 3 CREDITS  
 Prereq: JL MC 110; C+ OR BETTER IN JL MC 201;  
 ADVRT 301 OR P R 301  
 Note: COURSE RESTRICTED TO ADVRT, JL MC, P R MAJORS  
 4669005 1 TR 8:00-9:40  
 MEETS: AUG 26-DEC 20  
 4669010 2 MW 10:00-11:40  
 MEETS: AUG 26-DEC 20  
 4669015 3 TR 12:10-1:50  
 MEETS: AUG 26-DEC 20

ADVERT MEDIA PLANNG ADVRT 335 3 CREDITS  
 Prereq: ADVRT 301 OR P R 301  
 4670005 1A TR 9:30-10:50  
 MEETS: AUG 26-DEC 20  
 Note: SEC 1A FOR JL MC, ADVRT, P R MAJORS ONLY  
 4670010 1B TR 9:30-10:50  
 MEETS: AUG 26-DEC 20  
 Note: SEC 1B FOR MAJORS OTHER THAN JL MC, ADVRT, P R  
 4670015 2A TR 2:10-3:30  
 MEETS: AUG 26-DEC 20  
 Note: SEC 2A FOR JL MC, ADVRT, P R MAJORS ONLY  
 4670020 2B TR 2:10-3:30  
 MEETS: AUG 26-DEC 20  
 Note: SEC 2B FOR MAJORS OTHER THAN JL MC, ADVRT, P R

ADVERT ACCOUNT MGMT ADVRT 336 3 CREDITS  
 Prereq: JL MC 110; C+ OR BETTER IN JL MC 201;  
 ADVRT 301 OR P R 301  
 Note: COURSE RESTRICTED TO ADVRT, JL MC, P R  
 4440005 1 TR 5:10-6:25PM  
 MEETS: AUG 26-DEC 20

ADVERTISING CAMPNGS ADVRT 434 3 CREDITS  
 Prereq: C+ OR BETTER IN ADVRT 344 OR ADVRT 336,  
 CLASSIFICATION IN IN ADVRT, JL MC, OR P R MAJOR  
 Note: COURSE RESTRICTED TO ADVRT, JL MC, P R MAJORS  
 4685005 1 TR 12:40-2:00  
 MEETS: AUG 26-DEC 20  
 Syllabus: <http://www.jlmc.iastate.edu/undergrad/syllabi.html>

SPL TOPC MAGZN PUBL ADVRT 497C 3 CREDITS  
 Prereq: JUNIOR CLASSIFICATION  
 Note: CONTEMPORARY MAGAZINE PUBLISHING  
 0142005 1 TR 12:40-2:00  
 MEETS: AUG 26-DEC 20

SPL TP FIRST AMENDM ADVRT 497D 3 CREDITS  
 Prereq: JUNIOR CLASSIFICATION  
 Note: TOPIC: FIRST AMENDMENT FREEDOM & CONFLICTS: KNOW YOUR RIGHTS  
 0143005 1 MW 2:10-3:30  
 MEETS: AUG 26-DEC 20

SP TP SPRT&MDIA,DIG ADVRT 497K 3 CREDITS  
 Prereq: JUNIOR CLASSIFICATION  
 Note: TOPIC: SPORTS & THE MEDIA IN A DIGITAL 24/7 WORLD  
 0144005 1 TR 2:10-3:30  
 MEETS: AUG 26-DEC 20

PRO MDIA INTERN:REQ ADVRT 499A 3 CREDITS  
 Prereq: JL MC 110; FORMAL FACULTY ADVISR APPROVL;  
 ADVRT MAJORS: C+ OR BETTER IN JL MC 201 AND ADVRT 301  
 JL MC MAJORS: C+ OR BETTER IN JL MC 302 OR JL MC 306  
 P R MAJORS: P R 301 AND C+ OR BETTER IN P R 321  
 Note: NO MORE THAN 6 CREDITS OF 499, 499A AND 499B FROM THE GREENLEE SCHOOL MAY BE APPLIED TOWARD GRADUATION  
 Department permission required.  
 Satisfactory-Fail Only.  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

PRO MDIA INTERN:OPT ADVRT 499B 1- 3 CREDITS  
 Prereq: JL MC 110; FORMAL FACULTY ADVISR APPROVAL  
 ADVRT MAJORS: C+ OR BETTER IN JL MC 201 AND ADVRT 301  
 JL MC MAJORS: C+ OR BETTER IN JL MC 302 OR JL MC 306  
 P R MAJORS: P R 301 AND C+ OR BETTER IN P R 321.  
 Note: NO MORE THAN 6 CREDITS OF 499, 499A AND 499B FROM THE GREENLEE SCHOOL MAY BE APPLIED TOWARD GRADUATION  
 Department permission required.  
 Satisfactory-Fail Only.  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

AEROSPACE ENGINEERING

AEROSPAAC ENG PROBLM AER E 160 3 CREDITS  
 Prereq: MATH 143 OR SATISFACTORY SCORES ON MATH PLACEMENT EXAM; CREDIT OR ENROLLMENT IN MATH 165  
 Note: COURSE RESTRICTED TO AER E MAJORS ONLY. CREDIT IN ONLY ONE OF THE FOLLOWING COURSES MAY BE APPLIED TOWARD GRADUATION: A B E 160, C E 160, AER E 160, ENGR 160, M E 160, CPR E 185, E E 185, S E 185, I E 148.  
 6215005 1 MW 9:00-9:50 RAYBURN C  
 M 10:00-11:50 RIEDEL C  
 MEETS: AUG 26-DEC 20  
 6215010 2 MW 11:00-11:50 RAYBURN C  
 M 2:10-4:00 RIEDEL C  
 MEETS: AUG 26-DEC 20  
 6215015 3 MW 9:00-9:50 RAYBURN C  
 T 2:10-4:00 RIEDEL C  
 MEETS: AUG 26-DEC 20

## AEROSPACE ENGINEERING (CONTINUED)

AEROSPACE ENG PROBLM AER E 160 3 CREDITS  
6215020 4 MW 11:00-11:50 RAYBURN C  
W 2:10-4:00 RIEDEL C  
MEETS: AUG 26-DEC 20

6215025 5 MW 11:00-11:50 RAYBURN C  
R 2:10-4:00 RIEDEL C  
MEETS: AUG 26-DEC 20

HONORS AER ENG PROB AER E 160H 3 CREDITS  
Prereq: MEMBERSHIP IN UNIVERSITY HONORS PROGRAM,  
MATH 143 OR SATISFACTORY SCORES ON MATH PLACEMENT  
EXAMS; CREDIT OR ENROLLMENT IN MATH 165  
Note: COURSE RESTRICTED TO AER E MAJORS WHO ARE MEMBERS  
OF THE HONORS PROGRAM. OTHER QUALIFIED STUDENTS BY  
PERMISSION OF THE DEPARTMENT.

7571005 1 MW 1:10-2:00 RAYBURN C  
T 10:00-11:50 RIEDEL C  
MEETS: AUG 26-DEC 20

7571010 2 MW 1:10-2:00 RAYBURN C  
W 10:00-11:50 RIEDEL C  
MEETS: AUG 26-DEC 20

7571015 3 MW 1:10-2:00 RAYBURN C  
R 10:00-11:50 RIEDEL C  
MEETS: AUG 26-DEC 20

NUM&GRAPHIC&LAB TCNQ AER E 161 3 CREDITS  
Prereq: CREDIT OR ENROLLMENT IN AER E 160  
OR EQUIVALENT COURSE  
Note: COURSE RESTRICTED TO AER E MAJORS ONLY

7834005 1 MW 10:00-10:50 NELSON M  
F 9:00-10:50  
MEETS: AUG 26-DEC 20

7834010 2 MW 10:00-10:50 NELSON M  
F 11:00-12:50  
MEETS: AUG 26-DEC 20

AEROSPACE SEMINAR AER E 192 R CREDIT  
Satisfactory-Fail Only.

1085005 1 W 4:10-5:00 ALTUKHOVA N  
MEETS: AUG 26-DEC 20

INTRO PERFRMNC&DSGN AER E 261 3 CREDITS  
Prereq: MATH 166, PHYS 221, CREDIT OR ENROLLMENT  
IN AER E 161  
Note: COURSE RESTRICTED TO AER E MAJORS ONLY

6021005 1 MWF 9:00-9:50 HOLLAND S  
MEETS: AUG 26-DEC 20

6021010 2 TR 12:40-2:00 JOHANNSEN J  
MEETS: AUG 26-DEC 20

6021015 3 TR 9:30-10:50 JOHANNSEN J  
MEETS: AUG 26-DEC 20

INDEPENDENT STUDY AER E 290C 1- 2 CREDITS  
Prereq: SOPHOMORE CLASSIFICATION, DEPT APPROVAL  
\*\*\*\*\*  
SEE DEPT FOR REFERENCE NUMBERS

MAKE TO INNOVATE I AER E 294 1 CREDIT  
Prereq: FRESHMAN OR SOPHOMORE CLASSIFICATION,  
PERMISSION OF INSTRUCTOR

9385005 1 ARRANGED NELSON M  
MEETS: AUG 26-DEC 20

FLIGHT EXPERIENCE AER E 301 R CREDIT  
Prereq: CREDIT OR ENROLLMENT IN AER E 355  
Note: COURSE RESTRICTED TO AER E JUNIORS AND SENIORS  
THE WEDNESDAY 5:10-6:00 P.M. IS A ONE-TIME ONLY  
MTG ON AUG 22  
Satisfactory-Fail Only.

1160005 1 W 5:10-6:00PM MARTIN R  
T 8:00-9:50  
MEETS: AUG 26-DEC 20

1160010 2 W 5:10-6:00PM MARTIN R  
T 10:00-11:50  
MEETS: AUG 26-DEC 20

1160015 3 W 5:10-6:00PM MARTIN R  
T 1:10-3:00  
MEETS: AUG 26-DEC 20

1160020 4 W 5:10-6:00PM MARTIN R  
R 8:00-9:50  
MEETS: AUG 26-DEC 20

1160025 5 W 5:10-6:00PM MARTIN R  
R 10:00-11:50  
MEETS: AUG 26-DEC 20

1160030 6 W 5:10-6:00PM MARTIN R  
R 1:10-3:00  
MEETS: AUG 26-DEC 20

AERODYNAM I:INCMPRS AER E 310 3 CREDITS  
Prereq: GRADE OF C- OR BETTER IN AER E 261  
AND MATH 265

1175005 1 MWF 9:00-9:50 POUYA S  
MEETS: AUG 26-DEC 20

1175010 2 MWF 11:00-11:50 RAJAGOPALAN R  
MEETS: AUG 26-DEC 20

## AEROSPACE ENGINEERING (CONTINUED)

AERODYN II:CMRPSBL AER E 311 3 CREDITS  
Prereq: AER E 310, M E 231

1179005 1 MWF 9:00-9:50 WARD T  
MEETS: AUG 26-DEC 20

1179010 2 MWF 9:00-9:50 RAJAGOPALAN R  
MEETS: AUG 26-DEC 20

FLIGHT STRUCT ANALY AER E 321 3 CREDITS  
Prereq: E M 324, CREDIT OR ENROLLMENT IN  
MATH 266 OR MATH 267  
Note: COURSE RESTRICTED TO AER E JUNIORS AND SENIORS

7164005 1 MWF 1:10-2:00 SARKAR P  
MEETS: AUG 26-DEC 20

7164010 2 MWF 3:10-4:00 XIONG L  
MEETS: AUG 26-DEC 20

AEROSPC STRUCTR LAB AER E 322 2 CREDITS  
Prereq: CREDIT OR ENROLLMENT IN AER E 321

9129005 1 M 4:10-5:00 CHIOU C  
T 8:00-9:50  
MEETS: AUG 26-DEC 20

9129010 2 M 4:10-5:00 CHIOU C  
R 8:00-9:50  
MEETS: AUG 26-DEC 20

9129015 3 M 4:10-5:00 CHIOU C  
T 10:00-11:50  
MEETS: AUG 26-DEC 20

9129020 4 M 4:10-5:00 CHIOU C  
R 10:00-11:50  
MEETS: AUG 26-DEC 20

9129025 5 M 4:10-5:00 CHIOU C  
T 1:10-3:00  
MEETS: AUG 26-DEC 20

9129030 6 M 4:10-5:00 CHIOU C  
R 1:10-3:00  
MEETS: AUG 26-DEC 20

FLGHT CONTROL SYS I AER E 331 3 CREDITS  
Prereq: AER E 355

1235005 1 MWF 2:10-3:00 WIE B  
MEETS: AUG 26-DEC 20

AERODYN&PROPULS LAB AER E 344 3 CREDITS  
Prereq: AER E 310, CONCURRENT ENROLLMENT IN  
AER E 311.

6493005 1 TR 9:00-9:50 HU H  
T 12:10-2:00  
MEETS: AUG 26-DEC 20

6493010 2 TR 9:00-9:50 HU H  
R 12:10-2:00  
MEETS: AUG 26-DEC 20

6493015 3 TR 9:00-9:50 HU H  
W 3:10-5:00  
MEETS: AUG 26-DEC 20

6493020 4 TR 9:00-9:50 HU H  
T 2:10-4:00  
MEETS: AUG 26-DEC 20

6493025 5 TR 9:00-9:50 HU H  
R 2:10-4:00  
MEETS: AUG 26-DEC 20

6493030 6 TR 9:00-9:50 HU H  
F 3:10-5:00  
MEETS: AUG 26-DEC 20

ASTRODYNAMICS I AER E 351 3 CREDITS  
Prereq: E M 345  
Note: COURSE RESTRICTED TO AER E JUNIORS AND SENIORS  
Night exams scheduled. For dates go to  
<http://www.registrar.iastate.edu/students/exams/night-exams>.

1168005 1 MWF 10:00-10:50 CHIMENTI D  
MEETS: AUG 26-DEC 20

1168010 2 MWF 2:10-3:00 ABDELKHALIK O  
MEETS: AUG 26-DEC 20

AIRCRAFT FLI DYN&CTL AER E 355 3 CREDITS  
Prereq: AER E 261, MATH 267, E M 345  
Note: COURSE RESTRICTED TO AER E JUNIORS AND SENIORS

1056005 1 MWF 2:10-3:00 KIM A  
MEETS: AUG 26-DEC 20

1056010 2 MWF 10:00-10:50 SHERMAN P  
MEETS: AUG 26-DEC 20

COMP TECHNQ AER DSN AER E 361 3 CREDITS  
Prereq: AER E 310, MATH 267, E M 324, E M 345  
Note: COURSE RESTRICTED TO AER E JUNIORS AND SENIORS

1170010 1 TR 11:00-11:50 ALTUKHOVA N  
T 2:10-4:00  
MEETS: AUG 26-DEC 20

1170015 2 TR 11:00-11:50 ALTUKHOVA N  
R 2:10-4:00  
MEETS: AUG 26-DEC 20

1170020 3 TR 11:00-11:50 ALTUKHOVA N  
T 12:10-2:00  
MEETS: AUG 26-DEC 20

1170025 4 TR 11:00-11:50 ALTUKHOVA N  
R 12:10-2:00  
MEETS: AUG 26-DEC 20



## AEROSPACE ENGINEERING (CONTINUED)

AEROSPC SYS INTEGRT AER E 362 3 CREDITS  
Prereq: JUNIOR STANDING IN AER E OR PERMISSION  
OF INSTRUCTOR  
4293005 1 MWF 4:10-5:00 RAYBURN C  
MEETS: AUG 26-DEC 20

COOPERATIVE EDUC AER E 398 R CREDIT  
Prereq: PERMISSION OF DEPARTMENT AND  
ENGINEERING CAREER SERVICES  
Satisfactory-Fail Only.  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

APPLD FORMAL METHDS AER E 407X 3 CREDITS  
Prereq: MATH 166 AND INSTRUCTOR PERMISSION  
0176005 1 TR 11:00-12:15 ROZIER K  
MEETS: AUG 26-DEC 20

AERO VEHIC PROPUL I AER E 411 3 CREDITS  
Prereq: AER E 311, AER E 344  
Note: COURSE RESTRICTED TO AER E JUNIORS AND SENIORS  
6028005 1 MWF 11:00-11:50 POUYA S  
MEETS: AUG 26-DEC 20  
6028010 2 MWF 2:10-3:00 AHN B  
MEETS: AUG 26-DEC 20

EXPERIMTL MECHANICS AER E 417 3 CREDITS  
Prereq: E M 324, MAT E 273  
1296005 1 MWF 12:10-1:00 BASTAWROS A  
MEETS: AUG 26-DEC 20

ADV FLIGHT STRUCTRS AER E 421 3 CREDITS  
Prereq: AER E 321, MATH 266 OR 267  
1176005 1 MW 10:00-10:50 DAYAL V  
F 10:00-11:50  
MEETS: AUG 26-DEC 20

DSIGN AEROSP STRUCT AER E 426 3 CREDITS  
Prereq: E M 324  
6157005 1 MW 1:10-2:00 DAYAL V  
F 1:10-3:00  
MEETS: AUG 26-DEC 20

SPACCRFT DYNM&CNTRL AER E 433 3 CREDITS  
Prereq: E M 345  
9378005 1 MWF 9:00-9:50 KIM A  
MEETS: AUG 26-DEC 20

ASTRODYNAMICS II AER E 451 3 CREDITS  
Prereq: AER E 351  
Note: COURSE RESTRICTED TO AER E JUNIORS AND SENIORS  
1184005 1 MWF 1:10-2:00 CHIMENTI D  
MEETS: AUG 26-DEC 20

MOD DESIGN METHODOL AER E 461 3 CREDITS  
Prereq: AER E 361, AER E 311, AER E 321,  
AER E 322, AER E 344, AER E 351, AER E 355  
Note: COURSE RESTRICTED TO AER E SENIORS ONLY  
1186005 1 TR 10:00-10:50 GONZALEZ-TORRES  
T 2:10-4:00  
MEETS: AUG 26-DEC 20  
1186010 2 TR 1:10-2:00 GRAGER T  
R 11:00-12:35  
MEETS: AUG 26-DEC 20  
1186015 3 MW 10:00-10:50 GRAGER T  
F 9:00-10:50  
MEETS: AUG 26-DEC 20

DESIGN AEROSPAC SYS AER E 462 3 CREDITS  
Prereq: AER E 461  
Note: COURSE RESTRICTED TO AER E SENIORS ONLY  
1187005 1 T 9:00-9:50 GRAGER T  
TR 12:10-1:50  
MEETS: AUG 26-DEC 20

INTRODUCTION TO MDO AER E 463 3 CREDITS  
Prereq: SENIOR CLASSIFICATION IN COLLEGE OF ENG  
OR PERMISSION OF AER E 468 INSTRUCTOR  
9801005 1 TR 12:40-1:55 LEIFSSON L  
MEETS: AUG 26-DEC 20

MULTIDISC ENGR DSGN AER E 466 3 CREDITS  
Prereq: COURSE TO BE TAKEN WITHIN 2 SEMESTERS OF  
GRADUATION, PERMISSION OF INSTRUCTOR  
8778005 1 MWF 3:10-5:00  
MEETS: AUG 26-DEC 20

IND STU A/GAS DYNAM AER E 490A 1- 6 CREDITS  
Prereq: JR/SR CLASSIFICATION, DEPARTMENT APPROVAL  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

IND STDY PROPULSION AER E 490B 1- 6 CREDITS  
Prereq: JR/SR CLASSIFICATION, DEPARTMENT APPROVAL  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

IND STU AEROS STRUC AER E 490C 1- 6 CREDITS  
Prereq: JR/SR CLASSIFICATION, DEPARTMENT APPROVAL  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

## AEROSPACE ENGINEERING (CONTINUED)

IND STU FLIGHT DYNA AER E 490D 1- 6 CREDITS  
Prereq: JR/SR CLASSIFICATION, DEPARTMENT APPROVAL  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

IND STU SPACECR SYS AER E 490E 1- 6 CREDITS  
Prereq: JR/SR CLASSIFICATION, DEPARTMENT APPROVAL  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

IND ST FLT CONT SYS AER E 490F 1- 6 CREDITS  
Prereq: JR/SR CLASSIFICATION, DEPARTMENT APPROVAL  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

IND STDY AEROELASTI AER E 490G 1- 6 CREDITS  
Prereq: JR/SR CLASSIFICATION, DEPARTMENT APPROVAL  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

INDEP STUDY HONORS AER E 490H 1- 6 CREDITS  
Prereq: JR/SR CLASSIFICATION, DEPARTMENT APPROVAL  
UNIV HONORS PROGRAM MEMBERSHIP  
Note: COURSE RESTRICTED TO STUDENTS IN THE UNIVERSITY  
HONORS PROGRAM  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

INDEP STUDY DESIGN AER E 490I 1- 6 CREDITS  
Prereq: JR/SR CLASSIFICATION, DEPARTMENT APPROVAL  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

IND STU NONDESTR EV AER E 490J 1- 6 CREDITS  
Prereq: JR/SR CLASSIFICATION, DEPARTMENT APPROVAL  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

IND STU WIND ENGINR AER E 490K 1- 6 CREDITS  
Prereq: JR/SR CLASSIFICATION, DEPARTMENT APPROVAL  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

IND STDY ULTRALIGHT AER E 490L 1- 6 CREDITS  
Prereq: JR/SR CLASSIFICATION, DEPARTMENT APPROVAL  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

INDEPENDENT STUDY AER E 490O 1- 6 CREDITS  
Prereq: JR/SR CLASSIFICATION, DEPARTMENT APPROVAL  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

MAKE TO INNOVATE II AER E 494X 2- 3 CREDITS  
Prereq: JUNIOR OR SENIOR CLASSIFICATION,  
PERMISSION OF INSTRUCTOR  
0213005 1 ARRANGED NELSON M  
MEETS: AUG 26-DEC 20

SENIOR PROJECT AER E 499 1- 2 CREDITS  
Prereq: SENIOR CLASSIFICATION, CR OR ENROLLMENT  
IN AER E 491  
4759005 1 ARRANGED  
MEETS: AUG 26-DEC 20

INTELLG TRNSPRT SYS AER E 504X 3 CREDITS  
Prereq: AER E 161 OR EQUIVALENT; PERMISSION  
OF INSTRUCTOR REQUIRED  
0180005 1 TR 2:10-3:25 WEI P  
MEETS: AUG 26-DEC 20

APPLD FORMAL METHDS AER E 507X 3 CREDITS  
Prereq: MATH 166 AND INSTRUCTOR PERMISSION  
0177005 1 TR 11:00-12:15 ROZIER K  
MEETS: AUG 26-DEC 20

EXPERIMNTL MECHANCS AER E 517 3 CREDITS  
Prereq: E M 510 OR AER E 514 OR AER E 516  
1662005 1 MWF 12:10-1:00 BASTAWROS A  
MEETS: AUG 26-DEC 20

DSIGN AEROSP STRUCT AER E 526 3 CREDITS  
Prereq: E M 324  
9137005 1 MW 1:10-2:00 DAYAL V  
F 1:10-3:00  
MEETS: AUG 26-DEC 20

INCOMPRESS FLOW AERO AER E 541 3 CREDITS  
Prereq: AER E 310 OR M E 335 OR EQUIVALENT  
1208005 1 MWF 9:00-9:50 DURBIN P  
MEETS: AUG 26-DEC 20

ADV EXP TCNQ TH-FLD AER E 545 3 CREDITS  
Prereq: AER E 310 OR M E 335 OR E M 378  
8681005 1 MW 12:10-1:00 HU H  
R 10:00-11:50PM HU H  
MEETS: AUG 26-DEC 20

FLUI MECH&HEAT TR I AER E 546 3 CREDITS  
Prereq: AER E 310 OR M E 335; PROGRAMMING  
EXPERIENCE  
1212005 1 MWF 2:10-3:00 DURBIN P  
MEETS: AUG 26-DEC 20

GUIDANCE AER VEHICL AER E 556 3 CREDITS  
Prereq: AER E 331  
8722005 1 MWF 3:10-4:00 WIE B  
MEETS: AUG 26-DEC 20

AEROSPACE ENGINEERING (CONTINUED)

INTRODUCTION TO MDO AER E 563 3 CREDITS  
 Prereq: SENIOR CLASSIFICATION IN COLLEGE OF ENG  
 OR PERMISSION OF AER E 468 INSTRUCTOR  
 9802005 1 TR 12:40-1:55 LEIFSSON L  
 MEETS: AUG 26-DEC 20

RANDOM SIGNAL&KALMN AER E 573 3 CREDITS  
 Prereq: AER E 331 OR E E 324 OR M E 370 OR  
 M E 411 OR MATH 341  
 8187005 1 MWF 12:10-1:00 SHERMAN P  
 MEETS: AUG 26-DEC 20

LINEAR SYSTEMS AER E 577 3 CREDITS  
 Prereq: E E 324 OR AER E 331 OR M E 414 OR  
 MATH 415; AND MATH 307  
 8190005 1 TR 2:10-3:30  
 MEETS: AUG 26-DEC 20

SPL TOP AER DYNAMCS AER E 590A 1- 5 CREDITS  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

SPCL TOP PROPULSION AER E 590B 1- 5 CREDITS  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

SPL TOP AEROS STRUC AER E 590C 1- 5 CREDITS  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

SPL TOP FLIGHT DYNA AER E 590D 1- 5 CREDITS  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

SPL TOP SPACECR SYS AER E 590E 1- 5 CREDITS  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

SPL TOP FLIGHT CONT AER E 590F 1- 5 CREDITS  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

SPL TOP VISCOUS AER AER E 590H 1- 5 CREDITS  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

SPECL TOPICS DESIGN AER E 590I 1- 5 CREDITS  
 Note: COURSE ONLY OFFERED FOR 1-3 CREDITS FALL 2019  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

SPL TOP HYPERSONICS AER E 590J 1- 5 CREDITS  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

SPL TOP COMP AERODY AER E 590K 1- 5 CREDITS  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

SPCL TOP OPTIMIZATN AER E 590L 1- 5 CREDITS  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

SPL TOP NONDESTR EV AER E 590M 1- 5 CREDITS  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

SPL TOP WIND ENGINR AER E 590N 1- 5 CREDITS  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

CREATIVE COMPONENT AER E 599 1- 5 CREDITS  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

ADV TOP AER DYNAMCS AER E 690A 1- 5 CREDITS  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

ADV TOPC PROPULSION AER E 690B 1- 5 CREDITS  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

ADV TOP AEROS STRUC AER E 690C 1- 5 CREDITS  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

ADV TOP FLIGHT DYNA AER E 690D 1- 5 CREDITS  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

ADV TOP SPACECR SYS AER E 690E 1- 5 CREDITS  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

ADV TOP FLIGHT CTRL AER E 690F 1- 5 CREDITS  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

ADV TOP VISCOUS AER AER E 690H 1- 5 CREDITS  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

ADV TOP COMP AERODY AER E 690K 1- 5 CREDITS  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

ADV TOP NONDESTR EV AER E 690L 1- 5 CREDITS  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

ADV TOP WIND ENGINR AER E 690M 1- 5 CREDITS  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

ENGINEERG INTERNSHP AER E 697 R CREDIT  
 Prereq: PERMISSION OF DOGE, GRADUATE CLASSIFICATN  
 Satisfactory-Fail Only.  
 8131005 1 ARRANGED  
 MEETS: AUG 26-DEC 20

AEROSPACE ENGINEERING (CONTINUED)

RESEARCH AER E 699 VAR. CREDITS  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

**AFRICAN AND AFRICAN AMERICAN STUDIES**

INTRO AFRIC AMER ST AF AM 201 3 CREDITS  
 Note: Meets U.S. diversity reqmt  
 Instructor permission required 1st week.

8310005 1 TR 12:40-2:00  
 MEETS: AUG 26-DEC 20

8310010 2 TR 11:00-12:20  
 MEETS: AUG 26-DEC 20

8310015 3 TR 9:30-10:50  
 MEETS: AUG 26-DEC 20

8310020 4 TR 11:00-12:20  
 MEETS: AUG 26-DEC 20

8310025 5 MWF 11:00-11:50  
 MEETS: AUG 26-DEC 20

8310030 6 MWF 2:10-3:00  
 MEETS: AUG 26-DEC 20

8310035 7 MWF 10:00-10:50  
 MEETS: AUG 26-DEC 20

ETHNIC&RACE RELATNS AF AM 330 3 CREDITS  
 Prereq: SOC 130 OR SOC 134  
 Note: Meets U.S. diversity reqmt

8638005 1 MWF 2:10-3:00 KUSOW A  
 MEETS: AUG 26-DEC 20

SEM AFRIC AMER CULT AF AM 460 3 CREDITS  
 Note: Meets U.S. diversity reqmt  
 Instructor permission required.

6688005 1 ARRANGED  
 MEETS: AUG 26-DEC 20

INDEPENDENT STUDY AF AM 490 1- 3 CREDITS  
 Prereq: 6 CR IN AF AM, PERMISSION OF INSTRUCTOR  
 AND OF THE CHAIR OF THE AF AM STUDIES PROGRAM  
 Note: Instructor permission required.

8357005 1 ARRANGED  
 MEETS: AUG 26-DEC 20

**AGRICULTURAL AND BIOSYSTEMS ENGINEERING**

LEARNING COMMUNITIE A B E 102 .5 CREDIT  
 Satisfactory-Fail Only.

9888005 1 F 10:00-10:50  
 ARRANGED  
 MEETS: OCT 21-DEC 20

9888010 2 F 11:00-11:50  
 ARRANGED  
 MEETS: OCT 21-DEC 20

SYST PROB SOLV&PROG A B E 160 3 CREDITS  
 Prereq: CREDIT OR ENROLLMENT IN MATH 143 OR  
 MATH 165  
 Note: CREDIT IN ONLY ONE OF THE FOLLOWING COURSES  
 MAY BE APPLIED TOWARD GRADUATION: A B E 160, C E 160,  
 AER E 160, ENGR 160, M E 160, CPR E 185, E E 185,  
 S E 185, I E 148, CH E 160

6707005 1 TR 10:00-11:50  
 MEETS: AUG 26-DEC 20

6707010 2 TR 4:10-6:00PM  
 MEETS: AUG 26-DEC 20

ENG GRPHC&INTRO DSN A B E 170 3 CREDITS  
 6705005 1 MW 10:00-11:50  
 MEETS: AUG 26-DEC 20

Note: SEC 1 RESTRICTED TO A E, BSE MAJORS ONLY

6705010 2 TR 8:00-9:50  
 MEETS: AUG 26-DEC 20

Note: SEC 2 RESTRICTED TO A E, BSE, M E, ENGR MAJORS

SMNR:PREP FOR WRKPL A B E 201 1 CREDIT  
 Prereq: SOPHOMORE CLASSIFICATION IN A E,  
 AST, BSE OR I TEC

1373005 1 MW 4:10-5:00  
 MEETS: AUG 26-OCT 18

FND AG &BIOSYS ENGR A B E 216 3 CREDITS  
 Prereq: A B E 160 OR PERMISSION OF INSTRUCTOR

1096005 1 MW 1:10-2:00  
 M 8:00-9:50  
 MEETS: AUG 26-DEC 20

1096010 2 MW 1:10-2:00  
 W 8:00-9:50  
 MEETS: AUG 26-DEC 20

1096015 3 MW 1:10-2:00  
 F 1:10-3:00  
 MEETS: AUG 26-DEC 20

1096020 4 MW 1:10-2:00  
 F 8:00-9:50  
 MEETS: AUG 26-DEC 20

## AGRICULTURAL AND BIOSYSTEMS ENGINEERING (CONTINUED)

PARAM SLD MODEL ENG A B E 271 1 CREDIT  
Prereq: A B E 170 OR TSM 116 OR EQUIVALENT  
9153005 1 M 9:00-9:50  
W 8:00-9:50  
MEETS: AUG 26-OCT 18  
Note: SEC 1 RESTRICTED TO A E, BSE MAJORS ONLY  
9153010 2 M 9:00-9:50  
W 8:00-9:50  
MEETS: AUG 26-OCT 18  
Note: SEC 2 RESTRICTED TO AST, I TEC MAJORS

CREO PARAMETRC MODL A B E 272 1 CREDIT  
Prereq: A B E 170 OR TSM 116 OR EQUIVALENT  
2650005 1 M 9:00-9:50  
W 8:00-9:50  
MEETS: OCT 21-DEC 20  
Note: SEC 1 RESTRICTED TO A E, BSE MAJORS ONLY  
2650010 2 M 9:00-9:50  
W 8:00-9:50  
MEETS: OCT 21-DEC 20  
Note: SEC 2 RESTRICTED TO AST, I TEC MAJORS

CAD FACILT&LAND USE A B E 273 1 CREDIT  
Prereq: ENGR 170 OR TSM 116 OR EQUIVALENT  
4264005 1 M 2:10-3:00  
W 2:10-4:00  
MEETS: AUG 26-OCT 18  
Note: SEC 1 RESTRICTED TO A E, BSE MAJORS ONLY  
4264010 2 M 2:10-3:00  
W 2:10-4:00  
MEETS: AUG 26-OCT 18  
Note: SEC 2 RESTRICTED TO AST, I TEC MAJORS

APPLD NUMRCL METHDS A B E 316 3 CREDITS  
Prereq: A B E 160; MATH 266 OR MATH 267  
8355005 1 TR 1:10-3:00  
MEETS: AUG 26-DEC 20

BIORENEWABLE SYSTMS A B E 325 3 CREDITS  
Prereq: CHEM 163 OR HIGHER; MATH 140 OR HIGHER  
9073005 1 TR 3:40-5:00  
MEETS: AUG 26-DEC 20  
9073010 2 TR 3:40-5:00  
MEETS: AUG 26-DEC 20  
Note: SEC 2 RESTRICTED TO AST MAJORS ONLY

ANLYS SOIL,CROP,MAC A B E 340 3 CREDITS  
Prereq: A B E 216  
1525005 1 TR 10:00-10:50  
W 1:10-3:00  
MEETS: AUG 26-DEC 20  
1525010 2 TR 10:00-10:50  
W 3:10-5:00  
MEETS: AUG 26-DEC 20

ELEC POWR&ELECTRONC A B E 363 4 CREDITS  
Prereq: A B E 216  
1019005 1 TR 11:00-12:30  
W 3:10-5:00  
MEETS: AUG 26-DEC 20  
1019010 2 TR 11:00-12:30  
R 3:10-5:00  
MEETS: AUG 26-DEC 20  
1019015 3 TR 11:00-12:30  
T 3:10-5:00  
MEETS: AUG 26-DEC 20

SUSTNBL E&INT'L DEV A B E 388 3 CREDITS  
Prereq: A B E 216 (OR EQUIVALENT), MATH 266 OR MATH 267  
Note: COURSE RESTRICTED TO COLLEGE OF ENGINEERING JUNIORS AND SENIORS  
Meets international perspectives reqmt  
8107005 1 MW 3:10-4:00  
T 4:10-6:00PM  
MEETS: AUG 26-DEC 20

COOPERATIVE EDUC A B E 398 R CREDIT  
Prereq: A B E 218, PERMISSION OF DEPARTMENT AND ENGINEERING CAREER SERVICES  
Satisfactory-Fail Only.  
\*\*\*\*\*  
SEE DEPT FOR REFERENCE NUMBERS

A B E INSTRUMENTATN A B E 404 3 CREDITS  
Prereq: A B E 363 OR CPR E 281  
2661005 1 TR 8:00-8:50  
T 1:10-3:00  
MEETS: AUG 26-DEC 20  
2661010 2 TR 8:00-8:50  
R 1:10-3:00  
MEETS: AUG 26-DEC 20  
2661015 3 TR 8:00-8:50  
W 3:10-5:00  
MEETS: AUG 26-DEC 20

## AGRICULTURAL AND BIOSYSTEMS ENGINEERING (CONTINUED)

FLUID POWER ENGR A B E 413 3 CREDITS  
Prereq: CR OR ENROLLMENT IN E M 378 OR M E 335, A B E 216 OR M E 270  
7961005 1 MW 9:00-9:50  
W 10:00-11:50  
MEETS: AUG 26-DEC 20  
7961010 2 MW 9:00-9:50  
W 1:10-3:00  
MEETS: AUG 26-DEC 20  
7961015 3 MW 9:00-9:50  
W 3:10-5:00  
MEETS: AUG 26-DEC 20  
7961020 4 MW 9:00-9:50  
M 10:00-11:50  
MEETS: AUG 26-DEC 20

AG&BIOSY ENGR DSN I A B E 415 2 CREDITS  
Prereq: A B E 316, CLASSIFICATION IN A DEPARTMENT MAJOR  
8253005 1 M 12:10-1:00, ARRANGED  
MEETS: AUG 26-DEC 20

AG&BIOSY ENGR DSN II A B E 416 2 CREDITS  
Prereq: A B E 415  
7302005 1 W 12:10-1:00, ARRANGED  
MEETS: AUG 26-DEC 20

FUND ENGINRG REVIEW A B E 418 1 CREDIT  
4248005 1 M 3:10-5:00, ARRANGED  
MEETS: AUG 26-OCT 18  
Note: SEC 1 RESTRICTED TO A E, BSE MAJORS ONLY  
4248010 2 M 3:10-5:00, ARRANGED  
MEETS: AUG 26-OCT 18  
Note: SEC 2 FOR MAJORS OTHER THAN A E, BSE  
4248015 3 M 3:10-5:00, ARRANGED  
MEETS: AUG 26-OCT 18  
Note: SEC 3 RESTRICTED TO ABE A, A B E MAJORS ONLY

SOIL&WTR CONSRV SYS A B E 431 3 CREDITS  
Prereq: E M 378 OR CH E 356  
9418005 1 MW 11:00-11:50  
T 3:10-5:00  
MEETS: AUG 26-DEC 20

WATERSHD MODL&POLCY A B E 437 3 CREDITS  
Prereq: C E 372 OR EQUIVALENT  
1005005 1 MW 1:10-2:00, ARRANGED  
MEETS: AUG 26-DEC 20

MULTIDISC ENGR DSGN A B E 466 3 CREDITS  
Prereq: COURSE TO BE TAKEN WITHIN 2 SEMESTERS OF GRADUATION, PERMISSION OF INSTRUCTOR  
8891005 1 MWF 3:10-5:00  
MEETS: AUG 26-DEC 20

DSIGN ANIM PROD SYS A B E 475 2 CREDITS  
Prereq: A B E 271, A B E 272, OR A B E 273; E M 324 AND ENROLLMENT IN APSE OPTION OF A E PROGRAM  
4206005 1 ARRANGED  
MEETS: AUG 26-DEC 20

ENGR ANALY BIOL SYS A B E 480 3 CREDITS  
Prereq: A B E 380 OR PERMISSION OF INSTRUCTOR  
4864005 1 MW 8:00-8:50  
F 8:00-9:50  
MEETS: AUG 26-DEC 20

IND STU:AN PROD SYS A B E 490A 1- 5 CREDITS  
\*\*\*\*\*  
SEE DEPT FOR REFERENCE NUMBERS

IND ST:BIORNW RSRCE A B E 490B 1- 5 CREDITS  
\*\*\*\*\*  
SEE DEPT FOR REFERENCE NUMBERS

IND ST:ENVIR BIOPRC A B E 490E 1- 5 CREDITS  
\*\*\*\*\*  
SEE DEPT FOR REFERENCE NUMBERS

IND STU:FOOD ENGINR A B E 490F 1- 5 CREDITS  
\*\*\*\*\*  
SEE DEPT FOR REFERENCE NUMBERS

INDEPENDENT STUDY A B E 490G 1- 5 CREDITS  
\*\*\*\*\*  
SEE DEPT FOR REFERENCE NUMBERS

INDEP STUDY HONORS A B E 490H 1- 5 CREDITS  
Prereq: MEMBERSHIP IN UNIV HONORS PROGRAM  
Note: COURSE RESTRICTED TO MEMBERS OF THE UNIVERSITY HONORS PROGRAM  
\*\*\*\*\*  
SEE DEPT FOR REFERENCE NUMBERS

IND STU LAND&WATR E A B E 490L 1- 5 CREDITS  
\*\*\*\*\*  
SEE DEPT FOR REFERENCE NUMBERS

IND STU ADV MACH SY A B E 490M 1- 5 CREDITS  
\*\*\*\*\*  
SEE DEPT FOR REFERENCE NUMBERS

INSTRUMNTN FOR ABSE A B E 504 3 CREDITS  
Prereq: A B E 316 AND A B E 363  
9225005 1 TR 8:00-8:50  
T 1:10-3:00  
MEETS: AUG 26-DEC 20  
9225010 2 TR 8:00-8:50  
R 1:10-3:00  
MEETS: AUG 26-DEC 20  
9225015 3 TR 8:00-8:50  
W 3:10-5:00  
MEETS: AUG 26-DEC 20

AGRICULTURAL AND BIOSYSTEMS ENGINEERING (CONTINUED)

AGRICULTURAL EDUCATION & STUDIES (CONTINUED)

INTEG CROP&LVSTK SY A B E 515 3 CREDITS  
 Prereq: SUSAG 509  
 8615005 1 TR 9:30-10:50  
 MEETS: AUG 26-DEC 20

SOIL&WTR CONSERV SY A B E 531 3 CREDITS  
 Prereq: E M 378 OR CH E 356  
 1577005 1 MW 11:00-11:50  
 T 3:10-5:00  
 MEETS: AUG 26-DEC 20

WATERSHD MODL&POLCY A B E 537 3 CREDITS  
 Prereq: C E 372 OR EQUIVALENT  
 6825005 1 MW 1:10-2:00, ARRANGED  
 MEETS: AUG 26-DEC 20

ENGR ANALY BIOL SYS A B E 580 3 CREDITS  
 Prereq: A B E 216; MATH 266; BIOL 211 OR  
 BIOL 212; M E 231  
 1028005 1 MW 8:00-8:50  
 F 8:00-9:50  
 MEETS: AUG 26-DEC 20

SPL TP AG&BIOSY ENG A B E 590 1- 3 CREDITS  
 \*\*\*\*\*  
 SEE DEPT FOR REFERENCE NUMBERS

GRADUATE SEMINAR A B E 601 1 CREDIT  
 1046005 1 R 4:10-5:00  
 MEETS: AUG 26-DEC 20

FOUND SUSTAINBLE AG A B E 610 3 CREDITS  
 Prereq: GRAD CLASSIFICATION, INSTRUCTOR PERMISSN  
 Note: COURSE IS FOR SUSAG MAJORS. NON-MAJORS BY  
 PERMISSION OF THE INSTRUCTOR.  
 9777005 1 TR 11:00-12:20  
 MEETS: AUG 26-DEC 20

ADVANCED TOPICS A B E 690 VAR. CREDITS  
 \*\*\*\*\*  
 SEE DEPT FOR REFERENCE NUMBERS

TEACHING PRACTICUM A B E 694 1- 3 CREDITS  
 Prereq: GRADUATE CLASSIFICATION AND PERMISSION OF  
 INSTRUCTOR  
 6457005 1 ARRANGED  
 MEETS: AUG 26-DEC 20

ENGINEERG INTERNSHP A B E 697 R CREDIT  
 Prereq: PERMISSION OF DEPT CHAIR, GRAD CLASSIF  
 Satisfactory-Fail Only.  
 1700005 1 ARRANGED  
 MEETS: AUG 26-DEC 20

RESEARCH BIOSYS ENG A B E 699B VAR. CREDITS  
 \*\*\*\*\*  
 SEE DEPT FOR REFERENCE NUMBERS

RES CMPTR AID DSIGN A B E 699C VAR. CREDITS  
 \*\*\*\*\*  
 SEE DEPT FOR REFERENCE NUMBERS

RES ENVIRONMTL SYST A B E 699E VAR. CREDITS  
 \*\*\*\*\*  
 SEE DEPT FOR REFERENCE NUMBERS

RESEARCH FOOD ENGR A B E 699F VAR. CREDITS  
 \*\*\*\*\*  
 SEE DEPT FOR REFERENCE NUMBERS

RESRCH OCCUP SAFETY A B E 699O VAR. CREDITS  
 \*\*\*\*\*  
 SEE DEPT FOR REFERENCE NUMBERS

RES PWR&MACHIN ENGR A B E 699P VAR. CREDITS  
 \*\*\*\*\*  
 SEE DEPT FOR REFERENCE NUMBERS

STRUCTURES RESEARCH A B E 699Q VAR. CREDITS  
 \*\*\*\*\*  
 SEE DEPT FOR REFERENCE NUMBERS

RESRCH PROCESS ENGR A B E 699R VAR. CREDITS  
 \*\*\*\*\*  
 SEE DEPT FOR REFERENCE NUMBERS

RES ENVIRON&NAT RES A B E 699S VAR. CREDITS  
 \*\*\*\*\*  
 SEE DEPT FOR REFERENCE NUMBERS

RESEARCH WASTE MGT A B E 699U VAR. CREDITS  
 \*\*\*\*\*  
 SEE DEPT FOR REFERENCE NUMBERS

**AGRICULTURAL EDUCATION & STUDIES**

ORIENT AG &LIFE ED AGEDS 110A 1 CREDIT  
 Note: COURSE RESTRICTED TO AGLSE MAJORS  
 1268005 1 M 3:10-4:00  
 W 3:10-5:00  
 MEETS: AUG 26-OCT 18

1268010 2 M 3:10-4:00  
 W 3:10-5:00  
 MEETS: AUG 26-OCT 18

1268015 3 M 3:10-4:00  
 W 3:10-5:00  
 MEETS: AUG 26-OCT 18

ORIENTATION AGRI ST AGEDS 110B 1 CREDIT  
 1383005 1 M 3:10-4:00  
 W 3:10-5:00  
 MEETS: AUG 26-OCT 18  
 Note: SEC 1 RESTRICTED TO AG ST MAJORS ONLY

1383010 2 M 3:10-4:00  
 W 3:10-5:00  
 MEETS: AUG 26-OCT 18  
 Note: SEC 2 RESTRICTED TO AG ST SOPHOMORES,  
 JUNIORS, AND SENIORS ONLY

AG &LIFE SCI EXPLOR AGEDS 110C 1 CREDIT  
 8358005 1 TR 2:10-3:00  
 MEETS: AUG 26-OCT 18

DEAN'S LDRSH SEMNR AGEDS 111 1 CREDIT  
 Prereq: PERMISSION OF THE AG LS COLLEGE  
 ASSOCIATE DEAN FOR ACADEMIC PROGRAMS  
 Note: THE REQUIRED SIGNATURE IS THAT OF MARCIE  
 FAHN, 20 CURTISS  
 1334005 1 T 12:40-2:00  
 MEETS: AUG 26-DEC 20  
 Note: College permission required.

INITIAL FLD EXPRNCE AGEDS 116 1 CREDIT  
 Prereq: CLASSIFICATION IN AGLSE MAJOR  
 4766005 1 MW 3:10-4:00, ARRANGED  
 MEETS: OCT 21-DEC 20

4766010 2 MW 4:10-5:00, ARRANGED  
 MEETS: OCT 21-DEC 20

FIELD EXP H.S. AGRI AGEDS 211A 1 CREDIT  
 Prereq: AGEDS 110  
 7586005 1 ARRANGED  
 MEETS: AUG 26-DEC 20

FIELD EXP AG INDUST AGEDS 211C 1 CREDIT  
 Prereq: AGEDS 110  
 7603005 1 ARRANGED  
 MEETS: AUG 26-DEC 20

CAREER SEMINAR AGEDS 215 1 CREDIT  
 Prereq: SOPHOMORE CLASSIFICATION  
 Note: COURSE RESTRICTED TO SOPHOMORE CLASSIFICATION  
 OR ABOVE  
 1385005 1 W 3:10-5:00  
 MEETS: OCT 21-DEC 20  
 Note: SEC 1 FOR NEW TRANSFER STUDENTS

1385010 2 TR 8:00-8:50  
 MEETS: AUG 26-OCT 18  
 Note: SEC 2 FOR RETURNING STUDENTS

FOUND AG ED PROGRMS AGEDS 310 3 CREDITS  
 8790005 1 TR 9:30-10:50  
 MEETS: AUG 26-DEC 20

PRESENTN STRATEGIES AGEDS 311 3 CREDITS  
 1272005 1A MWF 11:00-11:50  
 MEETS: AUG 26-DEC 20

1272010 1B MWF 11:00-11:50  
 MEETS: AUG 26-DEC 20

1272015 2A TR 8:00-9:20  
 MEETS: AUG 26-DEC 20

1272020 2B TR 8:00-9:20  
 MEETS: AUG 26-DEC 20

1272025 3A MWF 8:00-8:50  
 MEETS: AUG 26-DEC 20

1272030 3B MWF 8:00-8:50  
 MEETS: AUG 26-DEC 20

1272035 4A MWF 9:00-9:50  
 MEETS: AUG 26-DEC 20

1272040 4B MWF 9:00-9:50  
 MEETS: AUG 26-DEC 20

SCI WITH PRACTICE AGEDS 312 3 CREDITS  
 Prereq: MAJOR IN THE COLLEGE OF AG LS  
 8006005 1 W 2:10-3:00, ARRANGED  
 MEETS: AUG 26-DEC 20

8006010 2 ARRANGED  
 MEETS: AUG 26-DEC 20  
 Note: Instructor permission required.  
 Course delivery is WWW

LEADERSHIP IN AGRIC AGEDS 315 3 CREDITS  
 1273005 1A T 12:40-1:55, ARRANGED  
 MEETS: AUG 26-DEC 20  
 Note: SEC 1A RESTRICTED TO AG ST MAJORS ONLY

1273010 1B T 12:40-1:55, ARRANGED  
 MEETS: AUG 26-DEC 20

1273020 2B TR 2:10-3:30  
 MEETS: AUG 26-DEC 20

SURV AG&LIF SC COMM AGEDS 327 3 CREDITS  
 Prereq: ENGL 250 OR EQUIVALENT  
 9159005 1 TR 11:00-11:50  
 M 1:10-3:00  
 MEETS: AUG 26-DEC 20

9159010 2 TR 11:00-11:50  
 F 1:10-3:00  
 MEETS: AUG 26-DEC 20

9159015 3 TR 11:00-11:50  
 W 1:10-3:00  
 MEETS: AUG 26-DEC 20

AGRICULTURAL EDUCATION & STUDIES (CONTINUED)

AGRICULTURAL EDUCATION & STUDIES (CONTINUED)

AG MECHAN APPLCATNS AGEDS 388 3 CREDITS  
 Note: COURSE LOCATED OFF CAMPUS, ALLOW 20 MINUTES TRAVEL TIME  
 6067005 1A M 12:10-2:00  
 W 12:10-3:00  
 MEETS: AUG 26-DEC 20  
 Note: SEC 1A RESTRICTED TO AG ST, AGLSE MAJORS ONLY  
 6067010 1B M 12:10-2:00  
 W 12:10-3:00  
 MEETS: AUG 26-DEC 20

COOPERATIVE EDUCATN AGEDS 398 R CREDIT  
 Prereq: PERMISSION OF THE DEPT COOPERATIVE EDUCATION COORDINATOR; JUNIOR CLASSIFICATION  
 1356005 1 ARRANGED  
 MEETS: AUG 26-DEC 20  
 Note: Permission of department chair required.

PLAN AG ED PROGRAMS AGEDS 401 3 CREDITS  
 Prereq: AGEDS 310  
 1275005 1 TR 9:30-10:50  
 MEETS: AUG 26-DEC 20

METHODS TEACHING AG AGEDS 402 3 CREDITS  
 Prereq: CONCURRENT ENROLLMENT IN AGEDS 401  
 1276005 1 TR 11:00-12:20  
 MEETS: AUG 26-DEC 20

INTERNSHIP IN AGEDS AGEDS 412 2- 6 CREDITS  
 Prereq: JR CLASSIF IN AGEDS, INSTR PERMISSION  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

PRE-STDT TCHG EXPER AGEDS 416 1 CREDIT  
 Prereq: AGEDS 211, AGEDS 402 AND ADMISSION TO TEACHER EDUC PROGRAM. CONCURRENT ENROLLMENT IN AGEDS 417 IS REQUIRED.  
 1886005 1 ARRANGED  
 MEETS: AUG 26-DEC 20

SUPRV TEACHNG IN AG AGEDS 417 1-16 CREDITS  
 Prereq: AGEDS 211, AGEDS 402 & ADMISSION TO TEACHER EDUC PROG  
 1281005 1 ARRANGED SMALLEY S  
 MEETS: AUG 26-DEC 20  
 1281010 2 ARRANGED  
 MEETS: AUG 26-DEC 20  
 1281015 3 ARRANGED  
 MEETS: AUG 26-DEC 20  
 1281020 4 ARRANGED  
 MEETS: AUG 26-DEC 20

FARM MGMT&OPERATION AGEDS 450 3 CREDITS  
 Prereq: ECON 235, ECON 230, JUNIOR CLASSIFICATION  
 1386005 1 T 1:10-3:00  
 W 1:10-5:00  
 MEETS: AUG 26-DEC 20  
 1386010 2 T 1:10-3:00  
 R 1:10-5:00  
 MEETS: AUG 26-DEC 20

TECNL TRANSFR&AG ED AGEDS 461 3 CREDITS  
 Note: Meets international perspectives reqmt  
 9564005 1 MF 1:10-2:00 ARRANGED  
 MEETS: AUG 26-DEC 20

AG MKTG&COMM COMPET AGEDS 475 1- 2 CREDITS  
 Prereq: ADMISSION BY INVITATION  
 6063005 1 TR 4:10-5:00  
 MEETS: AUG 26-DEC 20

MTHDS TCHG AG MECHN AGEDS 488 3 CREDITS  
 Note: COURSE LOCATED OFF CAMPUS, ALLOW 20 MINUTES TRAVEL TIME  
 5124005 1 M 2:10-5:00  
 W 3:10-5:00  
 MEETS: AUG 26-DEC 20

IND STU PHIL,CURRIC AGEDS 490A 1- 3 CREDITS  
 Prereq: JR/SR CLASSIFICATION, INSTR PERMISSION  
 Note: PROCESS APPROVED ADD SLIP IN 10 ENRL SC.  
 NO MORE THAN 6 CREDITS OF 490 MAY BE APPLIED TOWARD THE TOTAL OF 128 CREDITS REQUIRED FOR GRADUATION.  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

IND STU LDRSHP,EVAL AGEDS 490B 1- 3 CREDITS  
 Prereq: JR/SR CLASSIFICATION, INSTR PERMISSION  
 Note: PROCESS APPROVED ADD SLIP IN 10 ENRL SC.  
 NO MORE THAN 6 CREDITS OF 490 MAY BE APPLIED TOWARD THE TOTAL OF 128 CREDITS REQUIRED FOR GRADUATION.  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

IND STU BUS,PROD AG AGEDS 490C 1- 3 CREDITS  
 Prereq: JR/SR CLASSIFICATION, INSTR PERMISSION  
 Note: NO MORE THAN 6 CREDITS OF 490 MAY BE APPLIED TOWARD THE TOTAL OF 128 CREDITS REQUIRED FOR GRADUATION  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

IND STU EXTEN,INT'L AGEDS 490D 1- 3 CREDITS  
 Prereq: JR/SR CLASSIFICATION, INSTR PERMISSION  
 Note: PROCESS APPROVED ADD SLIP IN 10 ENRL SC.  
 NO MORE THAN 6 CREDITS OF 490 MAY BE APPLIED TOWARD THE TOTAL OF 128 CREDITS REQUIRED FOR GRADUATION.  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

IND STU INSTR TCHNL AGEDS 490E 1- 3 CREDITS  
 Prereq: JR/SR CLASSIFICATION, INSTR PERMISSION  
 Note: PROCESS APPROVED ADD SLIP IN 10 ENRL SC.  
 NO MORE THAN 6 CREDITS OF 490 MAY BE APPLIED TOWARD THE TOTAL OF 128 CREDITS REQUIRED FOR GRADUATION.  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

IND STDY ENVIR ISSU AGEDS 490F 1- 3 CREDITS  
 Prereq: JR/SR CLASSIFICATION, INSTR PERMISSION  
 Note: PROCESS APPROVED ADD SLIP IN 10 ENRL SC.  
 NO MORE THAN 6 CREDITS OF 490 MAY BE APPLIED TOWARD THE TOTAL OF 128 CREDITS REQUIRED FOR GRADUATION.  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

INDEP STUDY HONORS AGEDS 490H 1- 3 CREDITS  
 Prereq: JR/SR CLASSIFICATION, INSTR PERMISSION, MEMBERSHIP IN UNIV HONORS PROGRAM  
 Note: PROCESS APPROVED ADD SLIP IN 10 ENRL SC.  
 NO MORE THAN 6 CREDITS OF 490 MAY BE APPLIED TOWARD THE TOTAL OF 128 CREDITS REQUIRED FOR GRADUATION. RESTRICTED TO STUDENTS IN THE UNIVERSITY HONORS PROGRAM ONLY.  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

IND STU COMMUNICATN AGEDS 490I 1- 3 CREDITS  
 Prereq: JR/SR CLASSIFICATION, INSTR PERMISSION  
 Note: PROCESS APPROVED ADD SLIP IN 10 ENRL SC.  
 NO MORE THAN 6 CREDITS OF 490 MAY BE APPLIED TOWARD THE TOTAL OF 128 CREDITS REQUIRED FOR GRADUATION.  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

AGRI TRAVEL DOMESTC AGEDS 496B 1- 3 CREDITS  
 Prereq: PERMISSION OF INSTRUCTOR  
 Note: COURSE ONLY OFFERED FOR 3 CREDITS FALL 2019  
 7499005 1 ARRANGED  
 MEETS: AUG 26-DEC 20

UNDERGRAD RESEARCH AGEDS 499 VAR. CREDITS  
 Prereq: PERMISSION OF INSTRUCTOR, ADVISER, & DEPARTMENT CHAIR  
 Note: Instructor permission required 1st week.  
 8361005 1 ARRANGED  
 MEETS: AUG 26-DEC 20

PLAN AG ED PROGRAMS AGEDS 501 3 CREDITS  
 Prereq: AGEDS 310  
 7850005 1 TR 9:30-10:50  
 MEETS: AUG 26-DEC 20

METHODS OF TEACH AG AGEDS 502 3 CREDITS  
 Prereq: CONCURRENT ENROLLMENT IN AGEDS 501  
 7851005 1 TR 11:00-12:20  
 MEETS: AUG 26-DEC 20

PRO PRESENTN PRCTCE AGEDS 511 3 CREDITS  
 Prereq: GRADUATE CLASSIFICATION  
 9244005 1 MF 2:10-3:00, ARRANGED  
 MEETS: AUG 26-DEC 20

TEACH EDUC PRACTICM AGEDS 517 2- 6 CREDITS  
 Prereq: AGEDS 590B, AGEDS 501, AGEDS 502, ADMISSION TO THE UNIVERSITY TEACHER EDUCATION PROGRAM  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

PROG DEVEL AG&EXTEN AGEDS 524 3 CREDITS  
 Prereq: GRADUATE CLASSIFICATION  
 1301005 1 ARRANGED  
 MEETS: AUG 26-DEC 20  
 Note: Course delivery is WWW

FOUNDATIONS AG EDUC AGEDS 550 3 CREDITS  
 Prereq: GRADUATE CLASSIFICATION  
 2931005 1 ARRANGED  
 MEETS: AUG 26-DEC 20  
 Note: Course delivery is WWW

TECNL TRANSFR&AG ED AGEDS 561 3 CREDITS  
 Prereq: GRADUATE CLASSIFICATION  
 Note: Meets international perspectives reqmt  
 1305005 1 MF 1:10-2:00, ARRANGED  
 MEETS: AUG 26-DEC 20

SPCL TOP CURRICULUM AGEDS 590A 1- 3 CREDITS  
 Prereq: 12 CREDITS IN AGRICULTURAL EDUCATION  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

SPCL TOPICS METHODS AGEDS 590B 1- 3 CREDITS  
 Prereq: 12 CREDITS IN AGRICULTURAL EDUCATION  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

## AGRICULTURAL EDUCATION &amp; STUDIES (CONTINUED)

SPCL TOP PHILOSOPHY AGEDS 590C 1- 3 CREDITS  
Prereq: 12 CREDITS IN AGRICULTURAL EDUCATION  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

SPCL TOP EVALUATION AGEDS 590D 1- 3 CREDITS  
Prereq: 12 CREDITS IN AGRICULTURAL EDUCATION  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

SPL TOPICS ADMINIST AGEDS 590E 1- 3 CREDITS  
Prereq: 12 CREDITS IN AGRICULTURAL EDUCATION  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

SPCL TOP LEADERSHIP AGEDS 590F 1- 3 CREDITS  
Prereq: 12 CREDITS IN AGRICULTURAL EDUCATION  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

SPL TOPICS GUIDANCE AGEDS 590G 1- 3 CREDITS  
Prereq: 12 CREDITS IN AGRICULTURAL EDUCATION  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

SPL TOP INSTR TCHNL AGEDS 590I 1- 3 CREDITS  
Prereq: 12 CREDITS IN AGRICULTURAL EDUCATION  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

SPL TOPIC EXTENSION AGEDS 590J 1- 3 CREDITS  
Prereq: 12 CREDITS IN AGRICULTURAL EDUCATION  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

SPL TOP INTRNATL AG AGEDS 590K 1- 3 CREDITS  
Prereq: 12 CREDITS IN AGRICULTURAL EDUCATION  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

SPL TOP PROGRAM PLAN AGEDS 590L 1- 3 CREDITS  
Prereq: 12 CREDITS IN AGRICULTURAL EDUCATION  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

WORKSHOP CURRICULUM AGEDS 593A 1- 3 CREDITS  
Prereq: 12 CREDITS IN AGRICULTURAL EDUCATION  
1317005 1 ARRANGED  
MEETS: AUG 26-DEC 20  
Note: Tuition Category: Workshop

METHODS WORKSHOP AGEDS 593B 1- 3 CREDITS  
Prereq: 12 CREDITS IN AGRICULTURAL EDUCATION  
1318005 1 ARRANGED  
MEETS: AUG 26-DEC 20  
Note: Tuition Category: Workshop

WORKSHOP EVALUATION AGEDS 593C 1- 3 CREDITS  
Prereq: 12 CREDITS IN AGRICULTURAL EDUCATION  
1319005 1 ARRANGED  
MEETS: AUG 26-DEC 20  
Note: Tuition Category: Workshop

ADMINISTRTN WORKSHP AGEDS 593D 1- 3 CREDITS  
Prereq: 12 CREDITS IN AGRICULTURAL EDUCATION  
1320005 1 ARRANGED  
MEETS: AUG 26-DEC 20  
Note: Tuition Category: Workshop

WORKSHOP LEADERSHIP AGEDS 593E 1- 3 CREDITS  
Prereq: 12 CREDITS IN AGRICULTURAL EDUCATION  
1321005 1 ARRANGED  
MEETS: AUG 26-DEC 20  
Note: Tuition Category: Workshop

WORKSHOP EXTENSION AGEDS 593F 1- 3 CREDITS  
Prereq: 12 CREDITS IN AGRICULTURAL EDUCATION  
1322005 1 ARRANGED  
MEETS: AUG 26-DEC 20  
Note: Tuition Category: Workshop

WRKSHP PROGRAM PLAN AGEDS 593G 1- 3 CREDITS  
Prereq: 12 CREDITS IN AGRICULTURAL EDUCATION  
1323005 1 ARRANGED  
MEETS: AUG 26-DEC 20  
Note: Tuition Category: Workshop

WKSHP INSTR TECHNOL AGEDS 593H 1- 3 CREDITS  
Prereq: 12 CREDITS IN AGRICULTURAL EDUCATION  
1890005 1 ARRANGED  
MEETS: AUG 26-DEC 20  
Note: Tuition Category: Workshop

WKSHP BIOTECHNOLOGY AGEDS 593M 1- 3 CREDITS  
Prereq: 12 CREDITS IN AGRICULTURAL EDUCATION  
6536005 1 ARRANGED  
MEETS: AUG 26-DEC 20  
Note: Tuition Category: Workshop

CREATIVE COMPONENT AGEDS 599 VAR. CREDITS  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

PRO INTERNSHP AG ED AGEDS 617 1- 6 CREDITS  
Prereq: PERMISSION OF INSTRUCTOR  
Satisfactory-Fail Only.  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

## AGRICULTURAL EDUCATION &amp; STUDIES (CONTINUED)

RESEARCH AGEDS 699 VAR. CREDITS  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

## AGRONOMY

PRO DEVEL:ORIENTATN AGRON 110 1 CREDIT  
Note: COURSE ONLY OFFERED FOR 1 CREDIT FALL 2019  
1390005 1 R 2:10-3:00  
MEETS: AUG 26-DEC 20  
1390010 2 T 2:10-3:00  
MEETS: AUG 26-DEC 20  
Note: SEC 2 FOR LEARNING COMMUNITY STUDENTS ONLY

INTR RENEW RESOURCS AGRON 120 3 CREDITS  
1382005 1 MWF 12:10-1:00  
MEETS: AUG 26-DEC 20

GLOBL AG IN CHG WLD AGRON 180 3 CREDITS  
Note: Meets international perspectives reqmt  
1850005 1 MWF 9:00-9:50  
MEETS: AUG 26-DEC 20

INTRO CROP SCIENCE AGRON 181 3 CREDITS  
1914005 1 TR 12:40-2:00  
MEETS: AUG 26-DEC 20

INTRO SOIL SCIENCE AGRON 182 3 CREDITS  
Prereq: CHEM 163  
1946005 1 MWF 12:10-1:00  
MEETS: AUG 26-DEC 20  
1946010 2 TR 11:00-12:20  
MEETS: AUG 26-DEC 20

AGRONMST BASC SKILS AGRON 183 1 CREDIT  
Note: COURSE RESTRICTED TO AGRON MAJORS ONLY  
1948005 1 T 9:00-11:50  
MEETS: AUG 26-DEC 20

INTRO WEATHER&CLIMT AGRON 206 3 CREDITS  
1397005 1 MWF 2:10-3:00  
MEETS: AUG 26-DEC 20

WEED IDENTIFICATION AGRON 217 1 CREDIT  
Prereq: BIOL 101 OR EQUIVALENT  
7385005 1 W 2:10-5:00  
MEETS: AUG 26-OCT 18  
7385010 2 R 2:10-5:00  
MEETS: AUG 26-OCT 18

GEOSPATIAL TECHNOLG AGRON 270X 3 CREDITS  
0171005 1 TR 3:40-4:30, ARRANGED  
MEETS: AUG 26-DEC 20

FIELD EXPLORA AGRON AGRON 279 3 CREDITS  
Prereq: AGRON 181 OR EQUIVALENT, AGRON 182  
OR EQUIVALENT  
Note: REQUIRED FIELD WORK/EXPERIENCE 2 WEEKS BEFORE  
CLASSES BEGIN. RESTRICTED TO AGRON MAJORS ONLY  
1069005 1 T 9:00-10:50, ARRANGED  
MEETS: AUG 26-DEC 20  
1069010 2 T 12:40-2:30, ARRANGED  
MEETS: AUG 26-DEC 20  
Note: REQUIRED FIELD WORK/EXPERIENCE 2 WEEKS BEFORE  
CLASSES BEGIN. RESTRICTED TO AGRON MAJORS ONLY

CROP DEVEL,PROD&MGT AGRON 280 3 CREDITS  
Prereq: AGRON 181 OR EQUIVALENT, AGRON 182 OR  
EQUIVALENT  
1086005 1 MWF 11:00-11:50  
MEETS: AUG 26-DEC 20

SOIL CNSRV&LAND USE AGRON 282 3 CREDITS  
Prereq: AGRON 182 OR EQUIVALENT  
1544005 1 MWF 9:00-9:50  
MEETS: AUG 26-DEC 20

COOPERATIVE EDUCATN AGRON 298 R CREDIT  
Prereq: PERMISSION OF FACULTY MEMBER OR STUDENT'S  
ADVISER, SOPHOMORE CLASSIFICATION  
Satisfactory-Fail Only.  
1401005 1 ARRANGED  
MEETS: AUG 26-DEC 20

PROF DEVEL:WORK EXP AGRON 310 R CREDIT  
Satisfactory-Fail Only.  
1389005 1 ARRANGED  
MEETS: AUG 26-DEC 20

PROFESNL INTERNSHIP AGRON 311 1 CREDIT  
Prereq: PERMISSION OF ADVISER  
8173005 1 T 1:10-2:00  
MEETS: AUG 26-DEC 20

CROP STRUC-FUNC REL AGRON 316 3 CREDITS  
Prereq: BIOL 212 RECOMMENDED  
1406005 1 MWF 10:00-10:50  
MEETS: AUG 26-DEC 20



## AGRONOMY (CONTINUED)

PRIN OF WEED SCIENC AGRON 317 3 CREDITS  
Prereq: BIOL 211  
1405010 1 MWF 10:00-10:50  
MEETS: AUG 26-DEC 20

GENET,AGRI&BIOTECHN AGRON 320 3 CREDITS  
Prereq: BIOL 212  
Note: CREDIT FOR ONLY ONE OF THE FOLLOWING MAY BE  
APPLIED TOWARD GRADUATION: GEN 260, GEN/BIOL 313  
AND 313L, GEN/AGRON 320  
1418005 1 TR 11:00-12:15  
MEETS: AUG 26-DEC 20

CROP & SEED ID LAB AGRON 330 2 CREDITS  
Prereq: AGRON 181 OR EQUIVALENT  
1407005 1 R 3:10-6:00PM  
MEETS: AUG 26-DEC 20

INTERCOLL CROP TEAM AGRON 331 2 CREDITS  
Prereq: PERMISSION OF INSTRUCTOR. AGRON 330  
RECOMMENDED.  
1408005 1 MWF 2:10-5:00  
MEETS: AUG 26-DEC 20  
Note: Instructor permission required.

SEED SCIENCE&TECHNL AGRON 338 3 CREDITS  
Prereq: AGRON 181 (OR EQUIVALENT) OR HORT 221;  
BIOL 212  
1410005 1 TR 9:30-10:45  
R 2:10-5:00  
MEETS: AUG 26-DEC 20  
Note: SEC 1 RESTRICTED TO SEEDS MAJORS ONLY  
1410010 2 TR 9:30-10:45  
R 2:10-5:00  
MEETS: AUG 26-DEC 20

WORLD FOOD ISSUES AGRON 342 3 CREDITS  
Prereq: JUNIOR CLASSIFICATION  
Note: Meets international perspectives reqmt  
1402005 1 MWF 11:00-11:50  
MEETS: AUG 26-DEC 20  
1402010 2 TR 9:30-10:50  
MEETS: AUG 26-DEC 20  
1402015 3 TR 12:40-2:00  
MEETS: AUG 26-DEC 20  
1402020 4 TR 11:00-12:20  
MEETS: AUG 26-DEC 20

TURFGRASS ESTAB&MGT AGRON 351 3 CREDITS  
Prereq: HORT 221 OR AGRON 181 (OR EQUIVALENT)  
OR BIOL 211  
1412005 1 MWF 9:00-9:50  
MEETS: AUG 26-DEC 20

TURFGR ESTB&MGT LAB AGRON 351L 1 CREDIT  
Prereq: CREDIT OR ENROLLMENT IN HORT 351  
1413005 1 M 2:10-5:00  
MEETS: AUG 26-DEC 20

SOILS & PLANT GROWTH AGRON 354 3 CREDITS  
Prereq: AGRON 182 OR EQUIVALENT; BIOL 101  
1414015 1 MWF 8:00-8:50  
MEETS: AUG 26-DEC 20

SOIL&PLANT GRWTH LB AGRON 354L 1 CREDIT  
Prereq: AGRON OR HORT MAJOR WITH CREDIT OR  
ENROLLMENT IN AGRON 354  
8362005 1 T 9:00-11:50  
MEETS: AUG 26-DEC 20  
8362010 2 R 11:00-2:00  
MEETS: AUG 26-DEC 20  
8362015 3 R 3:10-6:00PM  
MEETS: AUG 26-DEC 20

FLD EXP SOIL DESCRP AGRON 370 1 CREDIT  
Prereq: AGRON 182 OR EQUIVALENT, PERMISSION  
OF INSTRUCTOR  
1417005 1 R 3:10-6:00PM  
MEETS: AUG 26-DEC 20

SYST CROP&SOIL MGMT AGRON 392 3 CREDITS  
Prereq: AGRON 316 AND AGRON 354  
4515005 1 MW 1:10-2:00  
M 2:10-5:00  
MEETS: AUG 26-DEC 20

COOPERATIVE EDUCATN AGRON 398 R CREDIT  
Prereq: PERMISSION OF FACULTY MEMBER OR STUDENT'S  
ADVISER; JUNIOR CLASSIFICATION  
Satisfactory-Fail Only.  
1411005 1 ARRANGED  
MEETS: AUG 26-DEC 20

PRO DEVELP SR FORUM AGRON 410 1 CREDIT  
Prereq: SENIOR CLASSIFICATION; AGRON 210  
1428005 1 T 2:10-3:00  
MEETS: AUG 26-DEC 20

## AGRONOMY (CONTINUED)

INTRO PLANT BREEDNG AGRON 421 3 CREDITS  
Prereq: GEN 320 OR BIOL 313  
1431005 1 TR 8:00-9:15  
MEETS: AUG 26-DEC 20

GIS FOR GEOSCIENTST AGRON 452 3 CREDITS  
Prereq: GEOL 100, GEOL 201 OR EQUIVALENT  
8577005 1 MW 3:10-4:00 HARDING C  
MW 4:10-5:00 HARDING C  
MEETS: AUG 26-DEC 20

ENVIR SOIL&WTR CHEM AGRON 459 4 CREDITS  
Prereq: TWO SEMESTERS COLLEGE-LEVEL CHEMISTRY,  
MATH 140, AGRON 182 (OR EQUIVALENT) OR AGRON 360.  
GEOL 100 AND AGRON 354 RECOMMENDED.  
4370005 1 MWF 11:00-11:50  
T 3:10-6:00PM  
MEETS: AUG 26-DEC 20

INDEPENDENT STUDY AGRON 490G 1- 3 CREDITS  
Prereq: JR/SR CLASSIF WITH AT LEAST 8 CR IN AGRON  
INSTRUCTOR PERMISN IN SPECIALTY AREA AFTER CONSULTATN  
Note: NO MORE THAN 4 CREDITS OF AGRON 490 MAY BE  
APPLIED TOWARD THE TOTAL OF 128 CREDITS REQUIRED FOR  
GRADUATION  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

INDEP STUDY HONORS AGRON 490H 1- 3 CREDITS  
Prereq: JR/SR CLASSIF WITH AT LEAST 8 CR IN AGRON  
INSTRUCTOR PERMISN IN SPECIALTY AREA AFTER CONSULTATN  
MEMBERSHIP IN THE HONORS PROGRAM  
Note: RESTRICTED TO STUDENTS IN THE UNIVERSITY HONORS  
PROGRAM ONLY. NO MORE THAN 4 CREDITS OF AGRON 490 MAY BE  
APPLIED TOWARD THE TOTAL OF 128 CREDITS REQUIRED  
FOR GRADUATION.  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

IND STU SERVC LEARN AGRON 490Z 1- 3 CREDITS  
Prereq: PERMISSION OF INSTRUCTOR  
Note: NO MORE THAN 4 CREDITS OF AGRON 490 MAY BE  
APPLIED TOWARD THE TOTAL OF 128 CREDITS REQUIRED FOR  
GRADUATION  
7954005 1 ARRANGED  
MEETS: AUG 26-DEC 20

SEED SCI INTERNSHIP AGRON 491 1- 2 CREDITS  
Prereq: AGRON 338, ADVANCED APPROVAL AND  
PARTICIPATION OF EMPLOYER AND INSTRUCTOR  
Note: Instructor permission required.  
9369005 1 ARRANGED  
MEETS: AUG 26-DEC 20

AGROECOLOGY FLD CRS AGRON 497 3 CREDITS  
Prereq: JR/SR CLASSIFICATN, 8 CREDITS IN AGRONOMY  
Note: REQUIRED FIELD EXPERIENCE LAST PART OF  
JULY  
8311005 1 ARRANGED  
MEETS: AUG 26-DEC 20

COOPERATIVE EDUCATN AGRON 498 R CREDIT  
Prereq: PERMISSION OF FACULTY MEMBER OR STUDENT'S  
ADVISER; SENIOR CLASSIFICATION  
Satisfactory-Fail Only.  
1416005 1 ARRANGED  
MEETS: AUG 26-DEC 20

AGROECOSYMS ANALYS AGRON 509 4 CREDITS  
Prereq: SENIOR OR ABOVE CLASSIFICATION;  
PERMISSION OF INSTRUCTOR  
Note: COURSE RESTRICTED SENIORS OR ABOVE.  
OTHERS BY PERMISSION OF THE INSTRUCTOR.  
7812005 1 TR 2:10-3:30, ARRANGED  
MEETS: AUG 26-DEC 20  
Note: REQUIRED FIELD TRIP WEEK BEFORE CLASSES BEGIN

INTEG CROP&LVSTK SY AGRON 515 3 CREDITS  
Prereq: AGRON 509  
2179005 1 TR 9:30-10:50  
MEETS: AUG 26-DEC 20

PRIN CULTIVAR DEVEL AGRON 521 3 CREDITS  
Prereq: AGRON 421; STAT 401  
1447005 1 ARRANGED  
MEETS: AUG 26-DEC 20

APP PLNT MOL GENETC AGRON 524 3 CREDITS  
Prereq: AGRON 506  
6717005 1 ARRANGED  
MEETS: AUG 26-DEC 20

CROP & SOIL MODELING AGRON 525 3 CREDITS  
Prereq: MATH 181 OR MATH 165 OR EQUIVALENT,  
AGRON 316 OR AGRON 354 OR EQUIVALENT  
7957005 1 TR 2:10-3:30  
MEETS: AUG 26-DEC 20

AGRONOMY (CONTINUED)

GIS FOR GEOSCIENTST AGRON 552 3 CREDITS  
 Prereq: GEOL 100, GEOL 201 OR EQUIVALENT  
 1490005 1 MW 3:10-4:00 HARDING C  
 MW 4:10-5:00 HARDING C  
 MEETS: AUG 26-DEC 20

ADV SOIL MANAGEMENT AGRON 554 2 CREDITS  
 Prereq: AGRON 354; MATH 165  
 1460005 1 MW 8:00-8:50  
 MEETS: AUG 26-DEC 20

AGROECOSY NUTRI CYC AGRON 556 3 CREDITS  
 Prereq: 3 CR IN CHEMISTRY AND 6 CR IN BIOLOGY.  
 RECOMMENDED: ENSCI 382, ENSCI 553, OR UPPER-LEVEL  
 COURSEWORK IN NUTRIENT CYCLES.  
 7325005 1 TR 9:30-10:50  
 MEETS: AUG 26-DEC 20

ENVIR SOIL&WTR CHEM AGRON 559 4 CREDITS  
 Prereq: AGRON 354 OR ENSCI 360; CHEM 178; MATH  
 140. CHEM 211 OR CHEM 231 RECOMMENDED  
 4371005 1 MWF 11:00-11:50  
 T 3:10-6:00PM  
 MEETS: AUG 26-DEC 20

POP&QUANT GEN BREED AGRON 561 4 CREDITS  
 Prereq: STAT 401  
 6460005 1 TR 9:00-10:50  
 MEETS: AUG 26-DEC 20

SOIL FORM&TRANSFORM AGRON 575 3 CREDITS  
 Prereq: AGRON 463 OR EQUIVALENT  
 1463005 1 MWF 12:10-1:00  
 MEETS: AUG 26-DEC 20

SPECIAL TOPICS AGRON 590 VAR. CREDITS  
 Prereq: 15 CREDITS IN AGRONOMY  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

CR COMP AG METEOROL AGRON 599A VAR. CREDITS  
 Prereq: NONTHESIS M.S. OPTION ONLY  
 1472005 1 ARRANGED  
 MEETS: AUG 26-DEC 20

CR COMP CROP PRD&PH AGRON 599B VAR. CREDITS  
 Prereq: NONTHESIS M.S. OPTION ONLY  
 1473005 1 ARRANGED  
 MEETS: AUG 26-DEC 20

CR COMP PLNT BREEDG AGRON 599C VAR. CREDITS  
 Prereq: NONTHESIS M.S. OPTION ONLY  
 1474005 1 ARRANGED  
 MEETS: AUG 26-DEC 20

CR COMP SOIL FERTIL AGRON 599E VAR. CREDITS  
 Prereq: NONTHESIS M.S. OPTION ONLY  
 1476005 1 ARRANGED  
 MEETS: AUG 26-DEC 20

CRTV COMPN SOIL MGT AGRON 599F VAR. CREDITS  
 Prereq: NONTHESIS M.S. OPTION ONLY  
 1477005 1 ARRANGED  
 MEETS: AUG 26-DEC 20

CR COMP SOIL MICROB AGRON 599G VAR. CREDITS  
 Prereq: NONTHESIS M.S. OPTION ONLY  
 1478005 1 ARRANGED  
 MEETS: AUG 26-DEC 20

CR COMP SOIL MORPHO AGRON 599H VAR. CREDITS  
 Prereq: NONTHESIS M.S. OPTION ONLY  
 1479005 1 ARRANGED  
 MEETS: AUG 26-DEC 20

CR COMP SOIL PHYSCS AGRON 599I VAR. CREDITS  
 Prereq: NONTHESIS M.S. OPTION ONLY  
 1480005 1 ARRANGED  
 MEETS: AUG 26-DEC 20

CRTV COMP SEED SCI AGRON 599K VAR. CREDITS  
 Prereq: NONTHESIS M.S. OPTION ONLY  
 1639005 1 ARRANGED  
 MEETS: AUG 26-DEC 20

CRTV COMP WEED SCI AGRON 599L VAR. CREDITS  
 Prereq: NONTHESIS M.S. OPTION ONLY  
 1649005 1 ARRANGED  
 MEETS: AUG 26-DEC 20

BOUNDRY LAYER MTEOR AGRON 605 3 CREDITS  
 Prereq: MTEOR 443 OR EQUIVALENT-LEVEL COURSE IN  
 ENGINEERING FLUIDS  
 9827005 1 TR 12:40-2:00  
 MEETS: AUG 26-DEC 20

AGRONOMY (CONTINUED)

FOUND SUSTAINBLE AG AGRON 610 3 CREDITS  
 Prereq: GRAD CLASSIFICATION, INSTRUCTOR PERMISSN  
 Note: COURSE IS FOR SUSAG MAJORS. NON-MAJORS BY  
 PERMISSION OF THE INSTRUCTOR.  
 3264005 1 TR 11:00-12:20  
 MEETS: AUG 26-DEC 20

RESEARCH SEMINAR AGRON 696 1 CREDIT  
 Satisfactory-Fail Only.  
 8829005 1 W 4:10-5:30  
 MEETS: AUG 26-DEC 20

AGRON TCHNG PRACTCM AGRON 698 1- 2 CREDITS  
 Prereq: GRADUATE CLASSIFICATION IN AGRON AND  
 PERMISSION OF INSTRUCTOR  
 Satisfactory-Fail Only.  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

RES AG METEOROLOGY AGRON 699A VAR. CREDITS  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

RES CROP PROD&PHYSL AGRON 699B VAR. CREDITS  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

RES PLANT BREEDING AGRON 699C VAR. CREDITS  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

RESEARCH SOIL CHEM AGRON 699D VAR. CREDITS  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

RESRCH SOIL FERTILI AGRON 699E VAR. CREDITS  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

RESEARCH SOIL MGMT AGRON 699F VAR. CREDITS  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

RES SOIL MICROBIOL AGRON 699G VAR. CREDITS  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

RESRCH SOIL MORPHOL AGRON 699H VAR. CREDITS  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

RESRCH SOIL PHYSICS AGRON 699I VAR. CREDITS  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

RES PLANT PHYSIOLGY AGRON 699J VAR. CREDITS  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

RESEARCH SEED SCI AGRON 699K VAR. CREDITS  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

RESEARCH WEED SCI AGRON 699L VAR. CREDITS  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

**AIR FORCE AEROSPACE STUDIES**

INTR LDRSH LAB&TRNG AFAS 103 2 CREDITS  
 Prereq: MEMBERSHIP AS A CADET IN AFROTC  
 Satisfactory-Fail Only.  
 7300005 1 MWR 6:30-7:30  
 T 6:30-7:30  
 MEETS: AUG 26-DEC 20

FOUND U S AIR FORCE AFAS 141 1 CREDIT  
 1260005 1 T 9:00-9:50  
 MEETS: AUG 26-DEC 20  
 1260010 2 W 1:10-2:00  
 MEETS: AUG 26-DEC 20

BASIC LDRSH LAB&TRN AFAS 203 2 CREDITS  
 Prereq: MEMBERSHIP AS A CADET IN AFROTC  
 Satisfactory-Fail Only.  
 7317005 1 MWR 6:30-7:30  
 T 6:30-7:30  
 MEETS: AUG 26-DEC 20

TEAM&LDRSHP FUNDMTL AFAS 251 1 CREDIT  
 9958005 1 W 9:00-9:50  
 MEETS: AUG 26-DEC 20  
 9958010 2 R 9:00-9:50  
 MEETS: AUG 26-DEC 20

INTMD LDRSH LAB&TRN AFAS 303 2 CREDITS  
 Prereq: MEMBERSHIP AS A CADET IN AFROTC  
 Satisfactory-Fail Only.  
 7383005 1 MWR 6:30-7:30  
 T 6:30-7:50  
 MEETS: AUG 26-DEC 20

AIR F LDRSHP STDI I AFAS 341 3 CREDITS  
 1264005 1 TR 11:00-12:20  
 MEETS: AUG 26-DEC 20  
 1264010 2 TR 2:10-3:30  
 MEETS: AUG 26-DEC 20

AIR FORCE AEROSPACE STUDIES (CONTINUED)

ADV LDRSHP LAB&TRNG AFAS 403 2 CREDITS  
 Prereq: MEMBERSHIP AS A CADET IN AFROTC  
 Satisfactory-Fail Only.  
 7388005 1 MWR 6:30-7:30  
 T 6:30-7:50  
 MEETS: AUG 26-DEC 20

PREPARATN ACTV DUTY AFAS 441 3 CREDITS  
 1266005 1 TR 12:40-2:00  
 MEETS: AUG 26-DEC 20  
 1266010 2 TR 4:10-5:30  
 MEETS: AUG 26-DEC 20

**AMERICAN INDIAN STUDIES**

NATV PEOPL AM CULTR AM IN 201X 3 CREDITS  
 Note: Meets U.S. diversity reqmt  
 0181005 1 TR 9:30-10:50  
 MEETS: AUG 26-DEC 20  
 0181010 2 TR 11:00-12:20  
 MEETS: AUG 26-DEC 20  
 0181015 3 TR 12:40-2:00  
 MEETS: AUG 26-DEC 20

INTR AM INDIAN STDI AM IN 210 3 CREDITS  
 Note: Meets U.S. diversity reqmt  
 1506005 1 TR 2:10-3:30  
 MEETS: AUG 26-DEC 20

AMERIC INDIANS IOWA AM IN 225 3 CREDITS  
 Note: Meets U.S. diversity reqmt  
 8441005 1 MWF 12:10-1:00  
 MEETS: AUG 26-DEC 20

INTRO AM INDIAN LIT AM IN 240 3 CREDITS  
 Prereq: CREDIT IN OR EXEMPTION FROM ENGL 150  
 OR ENGL 104  
 Note: Meets U.S. diversity reqmt  
 5612005 1 TR 12:40-2:00  
 MEETS: AUG 26-DEC 20

TOPCS NATIVE AM ARC AM IN 426 3 CREDITS  
 Note: NO MORE THAN 6 CREDITS OF ARCH/AM IN/DSN S 426  
 MAY BE APPLIED TO THE ARCHITECTURE DEGREE PROGRAM  
 Meets U.S. diversity reqmt  
 1774005 1A T 7:00-10:00PM  
 MEETS: AUG 26-DEC 20  
 Note: SECTION 1A TOPIC: NATIVE AMERICAN ARCHITECTURE.  
 SECTION 1A RESTRICTED TO ARC, ARCH MAJORS ONLY.  
 1774010 1B T 7:00-10:00PM  
 MEETS: AUG 26-DEC 20  
 Note: SECTION 1B TOPIC: NATIVE AMERICAN ARCHITECTURE.  
 SECTION 1B RESTRICTED TO MAJORS OTHER THAN ARC, ARCH.

INDEPENDENT STUDY AM IN 490 VAR. CREDITS  
 Prereq: 6 CR IN AM IN STUDIES, PERMISSION  
 OF INSTRUCTOR AND PROGRAM DIRECTOR  
 Note: NO MORE THAN 6 CREDITS OF AM IN 490 MAY BE  
 APPLIED TOWARD GRADUATION. IF MORE THAN 3 CREDITS  
 IN AM IN 490 ARE TAKEN, THEY MUST BE FROM DIFFERENT  
 INSTRUCTORS.

\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

**AMERICAN SIGN LANGUAGE**

AMER SIGN LANGUAG I ASL 101 4 CREDITS  
 Note: Meets U.S. diversity reqmt  
 9364005 1 MTWR 9:00-9:50  
 MEETS: AUG 26-DEC 20  
 9364010 2 MTWR 10:00-10:50  
 MEETS: AUG 26-DEC 20  
 9364015 3 MTWR 11:00-11:50  
 MEETS: AUG 26-DEC 20  
 9364020 4 MTWR 12:10-1:00  
 MEETS: AUG 26-DEC 20  
 9364025 5 MTWR 2:10-3:00  
 MEETS: AUG 26-DEC 20

INTMD AM SIGN LNG I ASL 201 4 CREDITS  
 Prereq: ASL 102 OR EQUIVALENT  
 9372005 1 MTWR 11:00-11:50  
 MEETS: AUG 26-DEC 20

TOPICS DEAF CULTURE ASL 275 3 CREDITS  
 Note: Meets U.S. diversity reqmt  
 9396005 1 TR 2:10-3:30  
 MEETS: AUG 26-DEC 20

**ANIMAL ECOLOGY**

ECOLOGY A ECL 312 4 CREDITS  
 Prereq: BIOL 211L AND BIOL 212L  
 Note: 2-PART COURSE. REGISTER FOR A LECTURE SECTION  
 (LETTERED SECTIONS A,B) FIRST AND THEN A LAB SECTION  
 (NUMBERED SECTIONS 1-18). STUDENTS WHO DON'T REGISTER  
 FOR BOTH LECTURE AND LAB WILL BE DROPPED FROM THE  
 COURSE DUE TO INCOMPLETE REGISTRATION.  
 1061003 A TR 8:00-9:15  
 MEETS: AUG 26-DEC 20  
 1061004 B TR 8:00-9:15  
 MEETS: AUG 26-DEC 20  
 Note: SECTION B IS TEAM BASED LEARNING

ANIMAL ECOLOGY (CONTINUED)

ECOLOGY A ECL 312 4 CREDITS  
 1061005 1 M 8:00-10:50  
 MEETS: AUG 26-DEC 20  
 1061010 2 M 9:00-11:50  
 MEETS: AUG 26-DEC 20  
 1061015 3 M 11:00-2:00  
 MEETS: AUG 26-DEC 20  
 1061020 4 M 12:10-3:00  
 MEETS: AUG 26-DEC 20  
 1061025 5 M 2:10-5:00  
 MEETS: AUG 26-DEC 20  
 1061030 6 M 3:10-6:00PM  
 MEETS: AUG 26-DEC 20  
 1061040 7 T 10:00-1:00  
 MEETS: AUG 26-DEC 20  
 1061045 8 T 12:10-3:00  
 MEETS: AUG 26-DEC 20  
 1061050 9 T 1:10-4:00  
 MEETS: AUG 26-DEC 20  
 1061055 10 T 3:10-6:00PM  
 MEETS: AUG 26-DEC 20  
 1061060 11 W 8:00-11:50  
 MEETS: AUG 26-DEC 20  
 1061065 12 W 9:00-12:50  
 MEETS: AUG 26-DEC 20  
 1061070 13 W 11:00-2:00  
 MEETS: AUG 26-DEC 20  
 1061075 14 W 12:10-3:00  
 MEETS: AUG 26-DEC 20  
 1061080 15 W 2:10-5:00  
 MEETS: AUG 26-DEC 20  
 1061085 16 W 3:10-6:00PM  
 MEETS: AUG 26-DEC 20  
 1061090 17 R 10:00-12:50  
 MEETS: AUG 26-DEC 20  
 1061095 18 R 12:10-3:00  
 MEETS: AUG 26-DEC 20  
 1061100 19 R 1:10-4:00  
 MEETS: AUG 26-DEC 20  
 1061105 20 R 3:10-6:00PM  
 MEETS: AUG 26-DEC 20

FISHERIES TECHNIQS A ECL 333 2 CREDITS  
 Prereq: BIOL 212  
 4065005 1 M 4:10-5:00  
 M 1:10-4:00  
 MEETS: AUG 26-DEC 20

VERTEBRATE BIOLOGY A ECL 365 4 CREDITS  
 Prereq: BIOL 212, BIOL 212L  
 1062005 1 MWF 9:00-9:50  
 T 6:00-8:00PM  
 MEETS: AUG 26-DEC 20  
 1062010 2 MWF 9:00-9:50  
 T 10:00-11:50  
 MEETS: AUG 26-DEC 20  
 1062015 3 MWF 9:00-9:50  
 T 12:10-2:00  
 MEETS: AUG 26-DEC 20  
 1062020 4 MWF 9:00-9:50  
 T 3:10-5:00  
 MEETS: AUG 26-DEC 20  
 1062025 5 MWF 9:00-9:50  
 W 10:00-11:50  
 MEETS: AUG 26-DEC 20  
 1062030 6 MWF 9:00-9:50  
 W 1:10-3:00  
 MEETS: AUG 26-DEC 20  
 1062035 7 MWF 9:00-9:50  
 W 3:10-5:00  
 MEETS: AUG 26-DEC 20  
 1062040 8 MWF 9:00-9:50  
 R 10:00-11:50  
 MEETS: AUG 26-DEC 20  
 1062045 9 MWF 9:00-9:50  
 R 12:10-2:00  
 MEETS: AUG 26-DEC 20

ECOLOGICAL METHODS A ECL 371 3 CREDITS  
 Prereq: A ECL 312; STAT 101 OR STAT 104  
 1073005 1 MW 12:10-1:00  
 T 9:30-12:20  
 MEETS: AUG 26-DEC 20  
 1073010 2 MW 12:10-1:00  
 R 11:00-2:00  
 MEETS: AUG 26-DEC 20

ECOL FRSHWTR INVERT A ECL 415 3 CREDITS  
 Prereq: A ECL 312  
 9449005 1 MW 10:00-10:50  
 T 9:30-12:20  
 MEETS: AUG 26-DEC 20

STREAM ECOLOGY A ECL 418 3 CREDITS  
 Prereq: A ECL 486  
 2731005 1 TR 1:10-2:00  
 R 2:10-5:00  
 MEETS: AUG 26-DEC 20

ANIMAL ECOLOGY (CONTINUED)

FISHERY MANAGEMENT A ECL 440 3 CREDITS  
 Prereq: A ECL 312, A ECL 321, STAT 101 OR  
 STAT 104; CREDIT OR ENROLLMENT IN A ECL 486  
 1076005 1 MW 9:00-9:50  
 W 2:10-5:00  
 MEETS: AUG 26-DEC 20

INT'L WILDLIFE ISSU A ECL 455 3 CREDITS  
 Prereq: A ECL 365, A ECL 312 OR GRADUATE  
 STANDING; NREM 120  
 Note: Meets international perspectives reqmt  
 5165005 1 MWF 11:00-11:50  
 MEETS: AUG 26-DEC 20

HERPETOLOGY A ECL 457 2 CREDITS  
 Prereq: BIOL 351 OR A ECL/BIOL 365  
 2751005 1 MW 11:00-11:50  
 MEETS: AUG 26-DEC 20

HERPETOLOGY LAB A ECL 457L 1 CREDIT  
 Prereq: BIOL 351 OR BIOL 365 OR A ECL 365;  
 CONCURRENT REGISTRATION IN BIOL 457 OR A ECL 457  
 7948005 1 T 2:10-5:00  
 MEETS: AUG 26-DEC 20  
 7948010 2 T 11:00-1:50  
 MEETS: AUG 26-DEC 20

AQUATIC ECOLOGY A ECL 486 3 CREDITS  
 Prereq: BIOL 312 OR ENSCI 381 OR ENSCI 402 OR  
 NREM 301  
 1074005 1 TR 9:30-10:50  
 MEETS: AUG 26-DEC 20

AQUATIC ECOLOGY LAB A ECL 486L 1 CREDIT  
 Prereq: CONCURRENT ENROLLMENT IN A ECL 486 OR  
 BIOL 486  
 1512005 1 T 12:10-3:00  
 MEETS: AUG 26-DEC 20  
 1512010 2 T 3:10-6:00PM  
 MEETS: AUG 26-DEC 20

ECOL FRSHWTR INVERT A ECL 515 3 CREDITS  
 Prereq: A ECL 312  
 1090005 1 MW 10:00-10:50  
 T 9:30-12:20  
 MEETS: AUG 26-DEC 20

STREAM ECOLOGY A ECL 518 3 CREDITS  
 Prereq: A ECL 486  
 Note: Instructor permission required 1st week.  
 8126005 1 TR 1:10-2:00  
 R 2:10-5:00  
 MEETS: AUG 26-DEC 20

FISHERY MANAGEMENT A ECL 540 3 CREDITS  
 Prereq: A ECL 312, A ECL 321; STAT 101 OR  
 STAT 104; CREDIT OR ENROLLMENT IN A ECL 486  
 1101005 1 MW 9:00-9:50  
 W 2:10-5:00  
 MEETS: AUG 26-DEC 20

BEHAVIORAL ECOLOGY A ECL 551 3 CREDITS  
 Prereq: A COURSE IN ECOLOGY OR ANIMAL BEHAVIOR  
 Note: Instructor permission required 1st week.  
 1104005 1 MW 10:00-10:50  
 F 9:00-10:50  
 MEETS: AUG 26-DEC 20

CREATIVE COMPONENT A ECL 599 VAR. CREDITS  
 Prereq: NONTHESIS M.S. OPTION ONLY  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

TEACHING PRACTICUM A ECL 698 1- 3 CREDITS  
 Prereq: GRADUATE CLASSIFICATION IN ANIMAL ECOLOGY  
 AND PERMISSION OF INSTRUCTOR  
 Satisfactory-Fail Only.  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

RESEARCH A ECL 699 VAR. CREDITS  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

**ANIMAL SCIENCE**

WORKNG WITH ANIMALS AN S 101 2 CREDITS  
 1527005 1 W 1:10-2:00  
 F 8:00-9:50  
 MEETS: AUG 26-DEC 20  
 1527010 2 W 1:10-2:00  
 F 10:00-11:50  
 MEETS: AUG 26-DEC 20  
 1527015 3 W 1:10-2:00  
 F 12:10-2:00  
 MEETS: AUG 26-DEC 20  
 1527020 4 W 1:10-2:00  
 F 2:10-4:00  
 MEETS: AUG 26-DEC 20  
 1527025 5 T 12:40-1:30  
 F 8:00-9:50  
 MEETS: AUG 26-DEC 20  
 1527030 6 T 12:40-1:30  
 F 10:00-11:50  
 MEETS: AUG 26-DEC 20  
 1527035 7 T 12:40-1:30  
 F 12:10-2:00  
 MEETS: AUG 26-DEC 20

ANIMAL SCIENCE (CONTINUED)

WORKNG WITH ANIMALS AN S 101 2 CREDITS  
 1527040 8 T 12:40-1:30  
 F 2:10-4:00  
 MEETS: AUG 26-DEC 20

ORIENTATION IN AN S AN S 110 1 CREDIT  
 Note: COURSE RESTRICTED TO AN S, DY S, GENPV MAJORS  
 1518005 1 T 2:10-3:00  
 R 2:10-3:00  
 MEETS: AUG 26-DEC 20  
 1518010 2 T 2:10-3:00  
 R 3:10-4:00  
 MEETS: AUG 26-DEC 20  
 1518015 3 T 3:10-4:00  
 R 2:10-3:00  
 MEETS: AUG 26-DEC 20  
 1518020 4 T 3:10-4:00  
 R 3:10-4:00  
 MEETS: AUG 26-DEC 20

SURVEY ANIMAL INDUS AN S 114 2 CREDITS  
 1519005 1 MW 8:00-8:50  
 MEETS: AUG 26-DEC 20

PRA SAFE EQUIN HNDL AN S 116 1 CREDIT  
 Satisfactory-Fail Only.  
 9373005 1 TR 2:10-4:00  
 MEETS: OCT 21-DEC 20

LVSTCK HANDL,SAFE,W AN S 190 2 CREDITS  
 Prereq: AN S 101  
 2885005 1 M 12:10-3:00  
 F 12:10-2:00  
 MEETS: OCT 21-DEC 20  
 Note: Instructor permission required.

LVSTOCK ART&HERITAG AN S 207 3 CREDITS  
 9478005 1 TR 8:00-9:15  
 MEETS: AUG 26-DEC 20

CAREER PREP AN SCI AN S 210 1 CREDIT  
 Prereq: SOPHOMORE CLASSIFICATION IN AN S  
 1621005 1 R 3:10-5:00  
 MEETS: AUG 26-DEC 20  
 1621010 2 R 3:10-5:00  
 MEETS: AUG 26-DEC 20

ISSUES FACING AN S AN S 211 1 CREDIT  
 Prereq: 114, SOPHOMORE CLASSIFICATION  
 Satisfactory-Fail Only.  
 1542005 1 T 4:10-6:00PM  
 MEETS: AUG 26-DEC 20

DOMEST ANIM PHYSIOL AN S 214 3 CREDITS  
 Prereq: BIOL 212, CHEM 163 OR CHEM 177  
 1521010 1 MWF 9:00-9:50  
 MEETS: AUG 26-DEC 20

DOM AN ANAT&PHY LAB AN S 214L 1 CREDIT  
 1545005 1 T 10:00-11:50  
 MEETS: AUG 26-DEC 20  
 1545010 2 T 12:10-2:00  
 MEETS: AUG 26-DEC 20  
 1545015 3 R 12:10-2:00  
 MEETS: AUG 26-DEC 20  
 1545020 4 R 2:10-4:00  
 MEETS: AUG 26-DEC 20  
 1545025 5 R 2:10-4:00  
 MEETS: AUG 26-DEC 20  
 1545030 6 R 10:00-11:50  
 MEETS: AUG 26-DEC 20

EQUINE SCIENCE AN S 216 3 CREDITS  
 Prereq: 101 OR 114; ONE COURSE IN BIOLOGY  
 4825005 1 TR 9:00-9:50  
 M 10:00-11:50  
 MEETS: AUG 26-DEC 20  
 4825010 2 TR 9:00-9:50  
 M 12:10-2:00  
 MEETS: AUG 26-DEC 20  
 4825015 3 TR 9:00-9:50  
 M 2:10-4:00  
 MEETS: AUG 26-DEC 20

EQUINE FARM PRACTCM AN S 217 2 CREDITS  
 Prereq: AN S 116 OR EQUIVALENT EXPERIENCE,  
 CREDIT OR ENROLLMENT IN AN S 216  
 1690005 1 T 11:00-11:50  
 ARRANGED  
 MEETS: AUG 26-DEC 20  
 Note: THERE IS A \$285 FEE ASSOCIATED WITH THIS COURSE

POULTRY SCIENCE AN S 223 3 CREDITS  
 Prereq: 101, 114  
 1695005 1 MW 11:00-11:50  
 T 10:00-11:50  
 MEETS: AUG 26-DEC 20

## ANIMAL SCIENCE

(CONTINUED)

COMPANION ANIM SCI AN S 224 3 CREDITS

Prereq: COURSE IN BIOLOGY  
 8087005 1 MW 2:10-3:00  
 W 10:00-11:50  
 MEETS: AUG 26-DEC 20

SWINE SCIENCE AN S 225 3 CREDITS

Prereq: AN S 114, AN S 101  
 Note: SEC 1A,2A,ETC. RESTRICTED TO AN S, DY S MAJORS.  
 SEC 1B,2B,ETC. RESTRICTED TO MAJORS OTHER THAN AN S,  
 DY S. EITHER AN S 225 OR THE AN S 280 AND AN S 280L  
 PAIR OF COURSES, BUT NOT BOTH, MAY BE APPLIED TOWARD  
 GRADUATION.

1725005 1A MF 10:00-10:50  
 W 10:00-11:50  
 MEETS: AUG 26-DEC 20

1725010 1B MF 10:00-10:50  
 W 10:00-11:50  
 MEETS: AUG 26-DEC 20

1725015 2A MF 10:00-10:50  
 W 12:10-2:00  
 MEETS: AUG 26-DEC 20

1725020 2B MF 10:00-10:50  
 W 12:10-2:00  
 MEETS: AUG 26-DEC 20

1725025 3A MF 10:00-10:50  
 W 2:10-4:00  
 MEETS: AUG 26-DEC 20

1725030 3B MF 10:00-10:50  
 W 2:10-4:00  
 MEETS: AUG 26-DEC 20

1725035 4A MF 10:00-10:50  
 W 8:00-9:50  
 MEETS: AUG 26-DEC 20

1725040 4B MF 10:00-10:50  
 W 8:00-9:50  
 MEETS: AUG 26-DEC 20

BEEF CATTLE SCIENCE AN S 226 3 CREDITS

Prereq: 114, 101  
 Note: SEC 1A,2A,ETC. RESTRICTED TO AN S, DY S MAJORS.  
 SEC 1B,2B,ETC. RESTRICTED TO MAJORS OTHER THAN AN S,  
 DY S

1726005 1A MW 9:00-9:50  
 R 8:00-9:50  
 MEETS: AUG 26-DEC 20

1726010 1B MW 9:00-9:50  
 R 8:00-9:50  
 MEETS: AUG 26-DEC 20

1726015 2A MW 9:00-9:50  
 R 10:00-11:50  
 MEETS: AUG 26-DEC 20

1726020 2B MW 9:00-9:50  
 R 10:00-11:50  
 MEETS: AUG 26-DEC 20

1726025 3A MW 9:00-9:50  
 R 12:10-2:00  
 MEETS: AUG 26-DEC 20

1726030 3B MW 9:00-9:50  
 R 12:10-2:00  
 MEETS: AUG 26-DEC 20

1726035 4A MW 9:00-9:50  
 R 2:10-4:00  
 MEETS: AUG 26-DEC 20

1726040 4B MW 9:00-9:50  
 R 2:10-4:00  
 MEETS: AUG 26-DEC 20

DAIRY CATTLE SCIENC AN S 235 3 CREDITS

Prereq: 101, 114

1523005 1 TR 1:10-2:00  
 W 8:00-9:50  
 MEETS: AUG 26-DEC 20

1523010 2 TR 1:10-2:00  
 W 10:00-11:50  
 MEETS: AUG 26-DEC 20

1523015 3 TR 1:10-2:00  
 W 12:10-2:00  
 MEETS: AUG 26-DEC 20

1523020 4 TR 1:10-2:00  
 W 2:10-4:00  
 MEETS: AUG 26-DEC 20

FOODS ANIMAL ORIGIN AN S 270 2 CREDITS

Prereq: BIOL 212, CHEM 163 OR CHEM 177

1524010 1 TR 8:00-8:50  
 MEETS: AUG 26-DEC 20

FOODS ANIM ORIG LAB AN S 270L 1 CREDIT

Prereq: CREDIT OR CURRENT ENROLLMENT IN AN S 270

7169005 1 W 8:00-9:50  
 MEETS: AUG 26-DEC 20

7169010 2 W 10:00-11:50  
 MEETS: AUG 26-DEC 20

7169015 3 W 12:10-2:00  
 MEETS: AUG 26-DEC 20

## ANIMAL SCIENCE

(CONTINUED)

LIVESTOCK EVALUATN AN S 305 3 CREDITS

Prereq: JUNIOR CLASSIFICATION; AN S 270L  
 RECOMMENDED  
 1526005 1 TR 2:10-5:00  
 MEETS: AUG 26-DEC 20

ADV CAREER PREP:VET AN S 310A 1 CREDIT

Note: ONLY ONE CREDIT FROM THE FOLLOWING COURSES  
 MAY BE APPLIED TOWARD GRADUATION: AN S 310A,  
 AN S 310B, AN S 310C  
 Satisfactory-Fail Only.

8821005 1 F 8:00-8:50  
 MEETS: AUG 26-DEC 20

FND HORSE HLTR TRNG AN S 317A 1- 3 CREDITS

Note: NO MORE THAN 4 CREDITS OF AN S 317 MAY BE  
 APPLIED TOWARD GRADUATION. COURSE ONLY OFFERED  
 FOR 1 CREDIT FALL 2019.

9192005 1 TR 2:10-4:00  
 MEETS: AUG 26-OCT 18

ANIMAL NUTRITION AN S 319 3 CREDITS

Prereq: 214, COURSE IN ORGANIC CHEM OR BIOCHEM  
 1529005 1 TR 8:00-9:20  
 MEETS: AUG 26-DEC 20

ANIML FEEDS&amp;FEEDING AN S 320 3 CREDITS

Prereq: 319  
 1635005 1 MW 8:00-8:50  
 F 8:00-9:50  
 MEETS: AUG 26-DEC 20

1635010 2 MW 8:00-8:50  
 F 10:00-11:50  
 MEETS: AUG 26-DEC 20

1635015 3 MW 8:00-8:50  
 F 12:10-2:00  
 MEETS: AUG 26-DEC 20

FOOD PRC CMPAN ANIM AN S 324 3 CREDITS

Prereq: AN S 319, JUNIOR CLASSIFICATION  
 9443005 1 TR 8:00-9:15  
 MEETS: AUG 26-DEC 20

DOMSTC ANIM REPRODU AN S 331 3 CREDITS

Prereq: AN S 214, OR BIOL 255 AND BIOL 256,  
 OR BIOL 335, OR B M S 329  
 1531005 1 MWF 1:10-2:00  
 MEETS: AUG 26-DEC 20

ANIM REPROD LAB MTH AN S 332A 1 CREDIT

Prereq: CREDIT OR ENROLLMENT IN AN S 331  
 1532005 1 W 3:10-6:00PM  
 MEETS: AUG 26-DEC 20

EMBRYO TRANSFER&amp;TCH AN S 333 3 CREDITS

Prereq: 331 OR 332  
 4617005 1 TR 2:10-3:30  
 MEETS: AUG 26-DEC 20

EMBRYO TRANSFER LAB AN S 334 1 CREDIT

Prereq: CREDIT OR CONCURRENT ENROLLMENT IN  
 AN S 333; OR AN S 332; PERMISSION OF INSTRUCTOR  
 5088005 1 F 9:00-11:50  
 MEETS: AUG 26-DEC 20  
 Note: Instructor permission required.

DOMESTIC ANIM BEHAVR AN S 336 3 CREDITS

Prereq: ONE COURSE IN PHYSIOLOGY  
 1938005 1 TR 12:10-1:00  
 W 8:00-9:50  
 MEETS: AUG 26-DEC 20

1938010 2 TR 12:10-1:00  
 W 10:00-11:50  
 MEETS: AUG 26-DEC 20

GENET IMPRV DOM ANI AN S 352 3 CREDITS

Prereq: ONE COURSE IN STATISTICS, BIOL 211/201,

COURSE IN GENETICS  
 1534010 1 MW 10:00-10:50  
 T 8:00-9:50  
 MEETS: AUG 26-DEC 20

1534015 2 MW 10:00-10:50  
 T 10:00-11:50  
 MEETS: AUG 26-DEC 20

1534005 3 MW 10:00-10:50  
 T 12:10-2:00  
 MEETS: AUG 26-DEC 20

1534020 4 MW 10:00-10:50  
 T 2:10-4:00  
 MEETS: AUG 26-DEC 20

FRESH MEATS AN S 360 3 CREDITS

Prereq: 270; COURSE IN ORGANIC OR BIOCHEMISTRY  
 1536005 1 TR 9:30-10:50  
 MEETS: AUG 26-DEC 20

## ANIMAL SCIENCE (CONTINUED)

ANIM SCI INTERNSHIP AN S 399A 2- 6 CREDITS  
Prereq: PERMISSION OF THE INSTRUCTOR  
1538005 1 ARRANGED  
MEETS: AUG 26-DEC 20

SUPERV'D INTERNSHIP AN S 399B R CREDIT  
Prereq: PERMISSION OF INTERNSHIP COORDINATOR  
2258005 1 ARRANGED  
MEETS: AUG 26-DEC 20

ISSUES ANIMAL SCIEN AN S 411 1 CREDIT  
Prereq: SENIOR CLASSIFICATION IN AN S  
1713005 1 T 4:10-6:00PM  
MEETS: AUG 26-DEC 20

EQUINE SYSTEMS MGMT AN S 415 3 CREDITS  
Prereq: 216, 319, 320, 331  
8779005 1 TR 12:40-1:30  
W 12:10-2:00  
MEETS: AUG 26-DEC 20  
8779010 2 TR 12:40-1:30  
W 10:00-11:50  
MEETS: AUG 26-DEC 20

ADV ANIML NUTRITION AN S 419 2 CREDITS  
Prereq: AN S 214, AN S 319  
1756005 1 TR 3:10-4:00  
MEETS: AUG 26-DEC 20

SWINE SYSTEMS MGMT AN S 425 3 CREDITS  
Prereq: AN S 225, AN S 270, AN S 270L, AN S 319,  
AN S 320, AN S 331, AN S 352. ECON 230 OR EQUIVALENT  
IS RECOMMENDED.  
1549005 1 MF 1:10-2:00  
W 12:10-2:00  
MEETS: AUG 26-DEC 20  
1549010 2 MF 1:10-2:00  
W 2:10-4:00  
MEETS: AUG 26-DEC 20  
1549015 3 MF 1:10-2:00  
W 10:00-11:50  
MEETS: AUG 26-DEC 20  
1549020 4 MF 1:10-2:00  
W 8:00-9:50  
MEETS: AUG 26-DEC 20

DAIRY SYSTEMS MGMT AN S 434 3 CREDITS  
Prereq: 235, 319, 320, 331, 337, 352. ECON 230 OR  
EQUIVALENT IS RECOMMENDED.  
1552005 1 MWF 3:10-4:00  
MEETS: AUG 26-DEC 20

JUDGING MEAT ANIMAL AN S 475A 1- 2 CREDITS  
Prereq: ADMISSION BY INVITATION  
Note: NO MORE THAN 6 CREDITS OF 475 MAY BE APPLIED  
TOWARD GRADUATION  
1556005 1 ARRANGED  
MEETS: AUG 26-DEC 20

JUDGNG DAIRY CATTLE AN S 475B 1- 2 CREDITS  
Prereq: ADMISSION BY INVITATION  
Note: NO MORE THAN 6 CREDITS OF 475 MAY BE APPLIED  
TOWARD GRADUATION  
1557005 1 ARRANGED  
MEETS: AUG 26-DEC 20

JUDGING MEATS AN S 475C 1- 2 CREDITS  
Prereq: ADMISSION BY INVITATION  
Note: NO MORE THAN 6 CREDITS OF 475 MAY BE APPLIED  
TOWARD GRADUATION  
1558005 1 ARRANGED  
MEETS: AUG 26-DEC 20  
1558010 2 R 2:10-5:00  
MEETS: AUG 26-DEC 20  
Note: SECTION 2: NOVICE. OFFERED FOR 1 CREDIT ONLY.

BEEF INDU LDR FELLW AN S 480A 1 CREDIT  
Prereq: 226, INSTRUCTOR PERMISSION  
Satisfactory-Fail Only.  
8710005 1 ARRANGED  
MEETS: AUG 26-DEC 20  
Note: Instructor permission required.

PORK INDU LDR FELLW AN S 480C 1 CREDIT  
Prereq: 225, INSTRUCTOR PERMISSION  
Satisfactory-Fail Only.  
4509005 1 ARRANGED  
MEETS: AUG 26-DEC 20  
Note: Instructor permission required.

IND STDY ANIMAL SCI AN S 490A 1- 3 CREDITS  
Prereq: PERMISSION OF THE INSTRUCTOR  
Note: NO MORE THAN 6 CREDITS OF AN S 490 MAY BE APPLIED  
TOWARD THE TOTAL CREDITS REQUIRED FOR GRADUATION  
\*\*\*\*\*  
SEE DEPT FOR REFERENCE NUMBERS

## ANIMAL SCIENCE (CONTINUED)

IND STUDY DAIRY SCI AN S 490B 1- 3 CREDITS  
Prereq: PERMISSION OF THE INSTRUCTOR  
Note: NO MORE THAN 6 CREDITS OF AN S 490 MAY BE APPLIED  
TOWARD THE TOTAL CREDITS REQUIRED FOR GRADUATION  
\*\*\*\*\*  
SEE DEPT FOR REFERENCE NUMBERS

INDEP STDY MEAT SCI AN S 490C 1- 3 CREDITS  
Prereq: PERMISSION OF THE INSTRUCTOR  
Note: NO MORE THAN 6 CREDITS OF AN S 490 MAY BE APPLIED  
TOWARD THE TOTAL CREDITS REQUIRED FOR GRADUATION  
\*\*\*\*\*  
SEE DEPT FOR REFERENCE NUMBERS

IND STU CMPANION AN AN S 490D 1- 3 CREDITS  
Prereq: PERMISSION OF THE INSTRUCTOR  
Note: NO MORE THAN 6 CREDITS OF AN S 490 MAY BE APPLIED  
TOWARD THE TOTAL CREDITS REQUIRED FOR GRADUATION  
\*\*\*\*\*  
SEE DEPT FOR REFERENCE NUMBERS

IND STU POULTRY SCI AN S 490G 1- 3 CREDITS  
Prereq: PERMISSION OF THE INSTRUCTOR  
Note: NO MORE THAN 6 CREDITS OF AN S 490 MAY BE APPLIED  
TOWARD THE TOTAL CREDITS REQUIRED FOR GRADUATION  
\*\*\*\*\*  
SEE DEPT FOR REFERENCE NUMBERS

INDEP STUDY HONORS AN S 490H 1- 3 CREDITS  
Prereq: PERMISSION OF THE INSTRUCTOR, MEMBERSHIP  
IN THE HONORS PROGRAM  
Note: NO MORE THAN 6 CREDITS OF AN S 490 MAY BE APPLIED  
TOWARD THE TOTAL CREDITS REQUIRED FOR GRADUATION.  
RESTRICTED TO STUDENTS IN THE UNIV HONORS PROGRAM.  
\*\*\*\*\*  
SEE DEPT FOR REFERENCE NUMBERS

TEACHNG EXPRNC AN S AN S 497 1- 2 CREDITS  
Prereq: PERMISSION OF INSTRUCTOR  
Note: NO MORE THAN 4 CREDITS OF AN S 497 MAY BE APPLIED  
TOWARD GRADUATION  
\*\*\*\*\*  
SEE DEPT FOR REFERENCE NUMBERS

SURVEY ANIM DISCIPL AN S 501 1 CREDIT  
Prereq: REQUIRED FOR ANIMAL SCIENCE GRAD STUDENTS  
Satisfactory-Fail Only.  
1678005 1 M 1:10-2:00  
MEETS: AUG 26-DEC 20

INTEG CROP&LVSTK SY AN S 515 3 CREDITS  
Prereq: SUSAG 509  
2263005 1 TR 9:30-10:50  
MEETS: AUG 26-DEC 20

GUT MICROBIOME:HLTH AN S 517 3 CREDITS  
Prereq: BASIC KNOWLEDGE IN MICROBIOLOGY  
7735005 1 TR 9:30-10:50  
MEETS: AUG 26-DEC 20

ADV VERTB PHYSIOL I AN S 549 4 CREDITS  
Prereq: RECOMMENDED: AN UNDERGRADUATE PHYSIOLOGY  
COURSE AND A BIOCHEMISTRY COURSE  
7196005 1 TR 8:00-9:50  
MEETS: AUG 26-DEC 20

POP&QUANT GEN BREED AN S 561 4 CREDITS  
Prereq: STAT 401  
6459005 1 TR 9:00-10:50  
MEETS: AUG 26-DEC 20

ADV MEAT PROCESSING AN S 571 3 CREDITS  
Prereq: AN S 460 OR AN S 570  
1579005 1 ARRANGED  
MEETS: AUG 26-DEC 20

SPL TOP AN BREEDING AN S 590A 1- 3 CREDITS  
Prereq: PERMISSION OF INSTRUCTOR  
\*\*\*\*\*  
SEE DEPT FOR REFERENCE NUMBERS

SPL TOP ANIMAL NUTR AN S 590B 1- 3 CREDITS  
Prereq: PERMISSION OF INSTRUCTOR  
\*\*\*\*\*  
SEE DEPT FOR REFERENCE NUMBERS

SPL TOP MEAT AN PRO AN S 590C 1- 3 CREDITS  
Prereq: PERMISSION OF INSTRUCTOR  
\*\*\*\*\*  
SEE DEPT FOR REFERENCE NUMBERS

SPCL TOP DAIRY PROD AN S 590D 1- 3 CREDITS  
Prereq: PERMISSION OF INSTRUCTOR  
\*\*\*\*\*  
SEE DEPT FOR REFERENCE NUMBERS

SPL TOPICS MEAT SCI AN S 590E 1- 3 CREDITS  
Prereq: PERMISSION OF INSTRUCTOR  
\*\*\*\*\*  
SEE DEPT FOR REFERENCE NUMBERS

SPL TOP PHYS REPROD AN S 590F 1- 3 CREDITS  
Prereq: PERMISSION OF INSTRUCTOR  
\*\*\*\*\*  
SEE DEPT FOR REFERENCE NUMBERS

SPL TOP MUSCLE BIOL AN S 590G 1- 3 CREDITS  
Prereq: PERMISSION OF INSTRUCTOR  
\*\*\*\*\*  
SEE DEPT FOR REFERENCE NUMBERS



ANIMAL SCIENCE

(CONTINUED)

ANTHROPOLOGY

SPL TOP POULTR PROD AN S 590I 1- 3 CREDITS  
 Prereq: PERMISSION OF INSTRUCTOR  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

SPL TOP PROF TOPICS AN S 590K 1- 3 CREDITS  
 Prereq: PERMISSION OF INSTRUCTOR  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

SPL TOPICS TEACHING AN S 590L 1- 3 CREDITS  
 Prereq: PERMISSION OF INSTRUCTOR  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

SPL TOPICS ETHOLOGY AN S 590N 1- 3 CREDITS  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

CRTV COMP AN BREEDG AN S 599A 1- 8 CREDITS  
 Prereq: NONTHESIS M.S. STATUS  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

CRTV COMP ANI NUTRI AN S 599B 1- 8 CREDITS  
 Prereq: NONTHESIS M.S. STATUS  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

CRTV CMP AN PHYSIOL AN S 599C 1- 8 CREDITS  
 Prereq: NONTHESIS M.S. STATUS  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

CRTV COMPO ANIM SCI AN S 599D 1- 8 CREDITS  
 Prereq: NONTHESIS M.S. STATUS  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

CRTV COMPO MEAT SCI AN S 599E 1- 8 CREDITS  
 Prereq: NONTHESIS M.S. STATUS  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

ANIML NUTRITION SEM AN S 603 1 CREDIT  
 Prereq: PERMISSION OF INSTRUCTOR  
 1591005 1 M 4:10-5:00  
 MEETS: AUG 26-DEC 20

SEMNR ANIMAL REPROD AN S 633 1 CREDIT  
 Prereq: PERMISSION OF INSTRUCTOR  
 Note: Instructor permission required 1st week.  
 1596005 1 ARRANGED  
 MEETS: AUG 26-DEC 20

BEEF&DAIRY BREEDING AN S 653B 2 CREDITS  
 Prereq: 561 RECOMMENDED  
 2526005 1 ARRANGED  
 MEETS: AUG 26-DEC 20

COMPUT&PREDCT BREED AN S 655A 2 CREDITS  
 Prereq: 500, 562, COM S 207  
 6386005 1 ARRANGED  
 MEETS: AUG 26-DEC 20

COMPUTN&GENET ESTIM AN S 655B 2 CREDITS  
 Prereq: AN S 500, AN S 562, COM S 207  
 6393005 1 ARRANGED  
 MEETS: AUG 26-DEC 20

SEM AN BREEDG&GENET AN S 658 1 CREDIT  
 7083005 1 T 2:10-3:00  
 MEETS: AUG 26-DEC 20

ANIMAL BREEDING RES AN S 699A VAR. CREDITS  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

ANIMAL NUTRI RESRCH AN S 699B VAR. CREDITS  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

MEAT ANIM PRODU RES AN S 699C VAR. CREDITS  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

DAIRY PROD RESEARCH AN S 699D VAR. CREDITS  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

MEAT SCIEN RESEARCH AN S 699E VAR. CREDITS  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

REPROD PHYSOL RSRCH AN S 699F VAR. CREDITS  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

MUSCLE BIOLGY RSRCH AN S 699G VAR. CREDITS  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

POULTRY NUTRI RSRCH AN S 699H VAR. CREDITS  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

ANIM ETHOLOGY RSRCH AN S 699J VAR. CREDITS  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

INTRO CULTURL ANTHR ANTHR 201 3 CREDITS  
 Note: Meets international perspectives reqmt  
 1615005 1 MW 9:00-9:50  
 M 10:00-10:50  
 MEETS: AUG 26-DEC 20

1615010 2 MW 9:00-9:50  
 M 11:00-11:50  
 MEETS: AUG 26-DEC 20

1615015 3 MW 9:00-9:50  
 M 12:10-1:00  
 MEETS: AUG 26-DEC 20

1615020 4 MW 9:00-9:50  
 M 1:10-2:00  
 MEETS: AUG 26-DEC 20

1615025 5 MW 9:00-9:50  
 M 2:10-3:00  
 MEETS: AUG 26-DEC 20

1615030 6 MW 9:00-9:50  
 M 3:10-4:00  
 MEETS: AUG 26-DEC 20

1615035 7 MW 9:00-9:50  
 T 9:00-9:50  
 MEETS: AUG 26-DEC 20

1615040 8 MW 9:00-9:50  
 T 10:00-10:50  
 MEETS: AUG 26-DEC 20

1615045 9 MW 9:00-9:50  
 T 11:00-11:50  
 MEETS: AUG 26-DEC 20

1615050 10 MW 9:00-9:50  
 T 12:10-1:00  
 MEETS: AUG 26-DEC 20

1615055 11 MW 9:00-9:50  
 T 1:10-2:00  
 MEETS: AUG 26-DEC 20

1615060 12 MW 9:00-9:50  
 T 2:10-3:00  
 MEETS: AUG 26-DEC 20

INTR BIOL AN&ARCHEO ANTHR 202 3 CREDITS  
 1616005 1 MW 11:00-11:50  
 R 10:00-10:50  
 MEETS: AUG 26-DEC 20

1616010 2 MW 11:00-11:50  
 R 11:00-11:50  
 MEETS: AUG 26-DEC 20

1616015 3 MW 11:00-11:50  
 R 12:10-1:00  
 MEETS: AUG 26-DEC 20

1616020 4 MW 11:00-11:50  
 R 1:10-2:00  
 MEETS: AUG 26-DEC 20

1616025 5 MW 11:00-11:50  
 R 2:10-3:00  
 MEETS: AUG 26-DEC 20

AMERIC INDIANS IOWA ANTHR 225 3 CREDITS  
 Note: Meets U.S. diversity reqmt  
 8442005 1 MWF 12:10-1:00  
 MEETS: AUG 26-DEC 20

GLOBALZAT&HUMN COND ANTHR 230 3 CREDITS  
 Note: Meets international perspectives reqmt  
 7017005 1 TR 9:30-10:50  
 MEETS: AUG 26-DEC 20

PRIMATE BEHAVIOR ANTHR 250 3 CREDITS  
 Prereq: ANTHR 202 AND/OR BASIC BIOLOGY COURSE  
 RECOMMENDED  
 1129005 1 MWF 12:10-1:00  
 MEETS: AUG 26-DEC 20

ARCHAEOLOGY ANTHR 308 3 CREDITS  
 Prereq: 202  
 Note: Instructor permission required 1st week.  
 1619005 1 MW 10:00-10:50  
 F 8:00-9:50  
 MEETS: AUG 26-DEC 20

1619010 2 MW 10:00-10:50  
 F 10:00-11:50  
 MEETS: AUG 26-DEC 20

1619015 3 MW 10:00-10:50  
 F 1:10-3:00  
 MEETS: AUG 26-DEC 20

21ST CENTU MIGRATN ANTHR 352X 3 CREDITS  
 Note: Meets international perspectives reqmt  
 0246005 1 TR 2:10-3:30  
 MEETS: AUG 26-DEC 20

GRK ARCHAE:TO 700BC ANTHR 376A 3 CREDITS  
 Note: Meets international perspectives reqmt  
 2334005 1 MWF 1:10-2:00  
 MEETS: AUG 26-DEC 20

## ANTHROPOLOGY

(CONTINUED)

PROFESNL PREP ANTHR ANTHR 425 1 CREDIT  
Prereq: JUNIOR CLASSIFICATION IN ANTHROPOLOGY OR  
PERMISSION FROM THE INSTRUCTOR  
Note: COURSE RESTRICTED TO ANTHR JUNIORS & SENIORS ONLY  
Satisfactory-Fail Only.  
\*\*\*\*\*  
SEE DEPT FOR REFERENCE NUMBERS

ETHNOGRPHIC METHODS ANTHR 431 3- 6 CREDITS  
1732005 1 TR 9:30-10:50  
MEETS: AUG 26-DEC 20  
Note: OFFERED FOR 3 CREDITS

INTERNSHIP ARCHAEOLOG ANTHR 434A 2- 6 CREDITS  
Prereq: JUNIOR OR SENIOR STANDING  
Note: NO MORE THAN 6 CREDITS OF INTERNSHIP EXPERIENCE  
MAY COUNT TOWARDS THE MAJOR. NO CREDIT IN ANTHR 434  
MAY BE USED TO SATISFY ANTHR CORE COURSE REQUIREMENTS  
FOR THE MAJOR OR FOR THE ANTHR MINOR.  
Satisfactory-Fail Only.  
\*\*\*\*\*  
SEE DEPT FOR REFERENCE NUMBERS

INTERNSHIP CULTRL A ANTHR 434B 2- 6 CREDITS  
Prereq: JUNIOR OR SENIOR STANDING  
Note: NO MORE THAN 6 CREDITS OF INTERNSHIP EXPERIENCE  
MAY COUNT TOWARDS THE MAJOR. NO CREDIT IN ANTHR 434  
MAY BE USED TO SATISFY ANTHR CORE COURSE REQUIREMENTS  
FOR THE MAJOR OR FOR THE ANTHR MINOR.  
Satisfactory-Fail Only.  
\*\*\*\*\*  
SEE DEPT FOR REFERENCE NUMBERS

INTERNSHP BIOLOGC A ANTHR 434C 2- 6 CREDITS  
Prereq: JUNIOR OR SENIOR STANDING  
Note: NO MORE THAN 6 CREDITS OF INTERNSHIP EXPERIENCE  
MAY COUNT TOWARDS THE MAJOR. NO CREDIT IN ANTHR 434  
MAY BE USED TO SATISFY ANTHR CORE COURSE REQUIREMENTS  
FOR THE MAJOR OR FOR THE ANTHR MINOR. OFFERED FOR  
2 CREDITS FALL 2019.  
Satisfactory-Fail Only.  
\*\*\*\*\*  
SEE DEPT FOR REFERENCE NUMBERS

INTERNSHP LINGUIS A ANTHR 434D 2- 6 CREDITS  
Prereq: JUNIOR OR SENIOR STANDING  
Note: NO MORE THAN 6 CREDITS OF INTERNSHIP EXPERIENCE  
MAY COUNT TOWARDS THE MAJOR. NO CREDIT IN ANTHR 434  
MAY BE USED TO SATISFY ANTHR CORE COURSE REQUIREMENTS  
FOR THE MAJOR OR FOR THE ANTHR MINOR. OFFERED FOR 2  
CREDITS FALL 2019.  
Satisfactory-Fail Only.  
\*\*\*\*\*  
SEE DEPT FOR REFERENCE NUMBERS

APPROACHES IN ANTHR ANTHR 450 3 CREDITS  
Prereq: 306  
6249005 1 TR 12:40-2:00  
MEETS: AUG 26-DEC 20

PRACTICUM ARCHAEOLOG ANTHR 451A 1- 3 CREDITS  
Prereq: 201 OR 202 OR 308  
Note: Instructor permission required.  
4780015 MH ARRANGED  
MEETS: AUG 26-DEC 20  
4780010 NC ARRANGED  
MEETS: AUG 26-DEC 20

PRACTICM CULTURAL A ANTHR 451B 1- 3 CREDITS  
Prereq: 201 OR 202 OR 308  
Note: Instructor permission required.  
1095010 JD ARRANGED  
MEETS: AUG 26-DEC 20  
Note: SECTION JD OFFERED FOR 3 CREDITS

PRACTICM LINGUIST A ANTHR 451D 1- 3 CREDITS  
Prereq: 201 OR 202 OR 308  
Note: Instructor permission required.  
1167005 MV ARRANGED  
MEETS: AUG 26-DEC 20

INDEP STDY ARCHAEOLOG ANTHR 490A 1- 5 CREDITS  
Prereq: 9 CREDITS IN ANTHROPOLOGY  
Note: NO MORE THAN 9 CREDITS OF ANTHR 490 MAY BE  
APPLIED TOWARD GRADUATION  
Instructor permission required 1st week.  
\*\*\*\*\*  
SEE DEPT FOR REFERENCE NUMBERS

IND STU CULTR ANTHR ANTHR 490B 1- 5 CREDITS  
Prereq: 9 CREDITS IN ANTHROPOLOGY  
Note: NO MORE THAN 9 CREDITS OF ANTHR 490 MAY BE  
APPLIED TOWARD GRADUATION  
Instructor permission required 1st week.  
\*\*\*\*\*  
SEE DEPT FOR REFERENCE NUMBERS

IND STU BIOL ANTHRO ANTHR 490C 1- 5 CREDITS  
Prereq: 9 CREDITS IN ANTHROPOLOGY  
Note: NO MORE THAN 9 CREDITS OF ANTHR 490 MAY BE  
APPLIED TOWARD GRADUATION  
Instructor permission required 1st week.  
\*\*\*\*\*  
SEE DEPT FOR REFERENCE NUMBERS

## ANTHROPOLOGY

(CONTINUED)

IND STDY LING ANTHR ANTHR 490D 1- 5 CREDITS  
Prereq: 9 CREDITS IN ANTHROPOLOGY  
Note: NO MORE THAN 9 CREDITS OF ANTHR 490/LING 490D  
MAY BE APPLIED TOWARD GRADUATION  
Instructor permission required 1st week.  
\*\*\*\*\*  
SEE DEPT FOR REFERENCE NUMBERS

INDEP STUDY HONORS ANTHR 490H 1- 5 CREDITS  
Prereq: 9 CREDITS IN ANTHROPOLOGY, MEMBERSHIP IN  
THE HONORS PROGRAM  
Note: NO MORE THAN 9 CREDITS OF ANTHR 490 MAY BE  
APPLIED TOWARD GRADUATION. COURSE RESTRICTED TO  
STUDENTS IN THE UNIVERSITY HONORS PROGRAM ONLY.  
Instructor permission required 1st week.  
\*\*\*\*\*  
SEE DEPT FOR REFERENCE NUMBERS

BIOLG ANTHRO&ARCHAE ANTHR 503 3 CREDITS  
Prereq: ANTHR 307, ANTHR 308  
Note: Instructor permission required 1st week.  
1646005 1 W 5:10-8:00PM  
MEETS: AUG 26-DEC 20

ETHNOGRPHIC METHODS ANTHR 531 3- 6 CREDITS  
1745005 1 TR 9:30-10:50  
MEETS: AUG 26-DEC 20  
Note: OFFERED FOR 3 CREDITS

SEMNAR FORENSIC SCI ANTHR 541 1 CREDIT  
Prereq: ONE 200-LEVEL SCIENCE COURSE OR  
GRADUATE CLASSIFICATION  
5249005 1 W 3:10-4:00  
MEETS: AUG 26-DEC 20

RSRCH&PRSENT FORENSC ANTHR 542 1 CREDIT  
5259005 1 ARRANGED  
MEETS: AUG 26-DEC 20

GRAD INDEPNDNT STDY ANTHR 590 1- 4 CREDITS  
Prereq: GRAD CLASSIFICATION, INSTRUCTOR PERMISSN  
Note: Instructor permission required 1st week.  
\*\*\*\*\*  
SEE DEPT FOR REFERENCE NUMBERS

FOUND SUSTAINBLE AG ANTHR 610 3 CREDITS  
Prereq: GRAD CLASSIFICATION, INSTRUCTOR PERMISSN  
Note: COURSE IS FOR SUSAG MAJORS. NON-MAJORS BY  
PERMISSION OF THE INSTRUCTOR.  
7585005 1 TR 11:00-12:20  
MEETS: AUG 26-DEC 20

RESEARCH ANTHR 699 VAR. CREDITS  
Note: Instructor permission required 1st week.  
\*\*\*\*\*  
SEE DEPT FOR REFERENCE NUMBERS

**APPAREL, EVENTS & HOSPITALITY MGMT**

ORIENTATN FOR AESHM AESHM 112 1 CREDIT  
Prereq: CONCURRENT ENROLLMENT IN AESHM 113  
5099005 1A M 8:00-8:50  
MEETS: AUG 26-DEC 20  
Note: SECTION 1A RESTRICTED TO EVENT AND HSP M  
FRESHMEN ONLY  
5099010 1B M 8:00-8:50  
MEETS: AUG 26-DEC 20  
Note: SECTION 1B RESTRICTED TO EVENT AND HSP M  
SOPHOMORES, JUNIORS AND SENIORS  
5099015 1C M 8:00-8:50  
MEETS: AUG 26-DEC 20  
Note: SECTION 1C RESTRICTED TO A M D FRESHMEN  
5099020 1D M 8:00-8:50  
MEETS: AUG 26-DEC 20  
Note: SECTION 1D RESTRICTED TO A M D SOPHOMORES,  
JUNIORS AND SENIORS

PRO DEV:EVENT&HSPPTY AESHM 113E 2 CREDITS  
1396005 1 M 11:00-11:50  
ARRANGED  
MEETS: AUG 26-DEC 20  
Note: SEC 1 RESTRICTED TO EVENT AND HSP M FRESHMEN

PRO DEV:APPARL,MRCH AESHM 113N 1 CREDIT  
1232005 1 W 8:00-8:50  
MEETS: AUG 26-DEC 20  
Note: SEC 1 RESTRICTED TO A M D FRESHMEN  
1232010 2 W 9:00-9:50  
MEETS: AUG 26-DEC 20  
Note: SEC 2 RESTRICTED TO A M D FRESHMEN

SUPV WRK EXP I:HSPY AESHM 170D 1 CREDIT  
Prereq: ADVISER PERMISSION REQUIRED  
Note: NO MORE THAN 12 CREDITS TOTAL FROM AESHM 170,  
AESHM 270, AND AESHM 470 MAY BE APPLIED TOWARD  
GRADUATION  
Instructor permission required.  
Satisfactory-Fail Only.  
1107005 1 ARRANGED  
MEETS: AUG 26-DEC 20

APPAREL, EVENTS & HOSPITALITY MGMT (CONTINUED)

SUPV WRK EXP I:EVNT AESHM 170F 1 CREDIT  
 Prereq: ADVISER PERMISSION REQUIRED  
 Note: NO MORE THAN 12 CREDITS TOTAL FROM AESHM 170, AESHM 270, AND AESHM 470 MAY BE APPLIED TOWARD GRADUATION  
 Instructor permission required.  
 Satisfactory-Fail Only.  
 1113005 1 ARRANGED  
 MEETS: AUG 26-DEC 20

SPV WRK EXP I:APPAR AESHM 170N 1 CREDIT  
 Prereq: ADVISER PERMISSION REQUIRED; FRESHMAN CLASSIFICATION  
 Note: NO MORE THAN 12 CREDITS TOTAL FROM AESHM 170, AESHM 270, AND AESHM 470 MAY BE APPLIED TOWARD GRADUATION  
 Instructor permission required.  
 Satisfactory-Fail Only.  
 1125005 1 ARRANGED  
 MEETS: OCT 21-DEC 20

FLD STU:EVENT&HSPTY AESHM 180E 1- 2 CREDITS  
 Prereq: PERMISSION OF INSTRUCTOR  
 8111005 1 F 11:00-11:50  
 ARRANGED  
 MEETS: AUG 26-DEC 20  
 Note: SEC 1 OFFERED FOR 2 CREDITS. THIS SECTION HAS TRAVEL.  
 Instructor permission required.

FLD STU:APPARL,MRCH AESHM 180N 1- 2 CREDITS  
 Prereq: PERMISSION OF INSTRUCTOR  
 8085005 1 ARRANGED  
 MEETS: AUG 26-DEC 20  
 Note: Instructor permission required.

PRE-PRO:EVENT&HSPTY AESHM 213E 1 CREDIT  
 Prereq: TRANSFER STUDENT OR CHANGE-OF-MAJOR IN EVENT OR HSP M MAJORS.  
 Note: COURSE RESTRICTED TO HSP M & EVENT MAJORS ONLY  
 0078005 1 W 2:10-3:00  
 MEETS: AUG 26-DEC 20

PRE-PRO:APPARL,MRCH AESHM 213N 1 CREDIT  
 Prereq: TRANSFER STUDENT OR CHANGE-OF-MAJOR IN A M D MAJOR.  
 Note: COURSE RESTRICTED TO A M D MAJORS ONLY  
 0079005 1 F 9:00-9:50  
 MEETS: AUG 26-DEC 20

HUMAN RESOURCE MGMT AESHM 238 3 CREDITS  
 Prereq: A M D 275 OR AESHM 270, OR CREDIT OR ENROLLMENT IN AESHM 287; SOPHOMORE CLASSIFICATION  
 2923005 1A MWF 12:10-1:00  
 MEETS: AUG 26-DEC 20  
 2923010 1B MWF 12:10-1:00  
 MEETS: AUG 26-DEC 20

SUP WRK EXP II:HSPY AESHM 270D 1- 2 CREDITS  
 Prereq: 6 CREDITS IN AESHM OR HSP M OR EVENT; IN AESHM 170, MINIMUM 2.0 GPA, ADVISER PERMISSION REQUIRED, SOPHOMORE CLASSIFICATION  
 Note: NO MORE THAN 12 CREDITS TOTAL FROM AESHM 170, AESHM 270, AND AESHM 470 MAY BE APPLIED TOWARD GRADUATION  
 Instructor permission required.  
 1132005 1 ARRANGED  
 MEETS: AUG 26-DEC 20

SUP WRK EXP II:EVNT AESHM 270F 1- 2 CREDITS  
 Prereq: 6 CREDITS IN AESHM OR HSP M OR EVENT; MINIMUM 2.0 GPA; ADVISER PERMISSION REQ'D; EMPLOYER LOCATION SHOULD BE DIFFERENT THAN EMPLOYER LOCATION USED FOR AESHM 170 AND AESHM 470  
 Note: NO MORE THAN 12 CREDITS TOTAL FROM AESHM 170, AESHM 270, AND AESHM 470 MAY BE APPLIED TOWARD GRADUATION  
 Instructor permission required.  
 1203005 1 ARRANGED  
 MEETS: AUG 26-DEC 20

SUP WRK EXP II:APPA AESHM 270N 1- 2 CREDITS  
 Prereq: MINIMUM 2.0 GPA; ADVISER PERMISSION REQUIRED; SOPHOMORE A M D CLASSIFICATION  
 Note: NO MORE THAN 12 CREDITS TOTAL FROM AESHM 170, AESHM 270, AND AESHM 470 MAY BE APPLIED TOWARD GRADUATION  
 Instructor permission required.  
 1270005 1 ARRANGED  
 MEETS: OCT 21-DEC 20

FASHN SHOW PROD&PRM AESHM 272 1- 3 CREDITS  
 Prereq: APPLICATION AND INSTRUCTOR PERMISSION.  
 APPLICATION FORM AVAILABLE FROM AESHM DEPT OFFICE.  
 Note: NO MORE THAN 4 CREDITS OF AESHM 272 MAY BE APPLIED TOWARD GRADUATION. COURSE ONLY OFFERED FOR 2 CREDITS FALL 2019.  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

APPAREL, EVENTS & HOSPITALITY MGMT (CONTINUED)

ORIEN INT'L FLD STU AESHM 281 1 CREDIT  
 1293005 1 W 5:10-7:00PM  
 MEETS: OCT 21-DEC 20  
 Note: Instructor permission required.

PRIN MGMT HUMAN SCI AESHM 287 3 CREDITS  
 Note: CREDIT IN HRI 391 MAY NOT BE APPLIED TOWARD THE DEGREE REQUIREMENTS FOR THE MAJOR IN HOSPITALITY MANAGEMENT. CREDIT FOR EITHER HRI 391, OR AESHM 287 AND AESHM 438, BUT NOT 391 IN COMBINATION WITH EITHER 287 OR 438, MAY BE APPLIED TOWARD GRADUATION.  
 4608005 1A MWF 11:00-11:50  
 MEETS: AUG 26-DEC 20  
 Note: SECTION 1A RESTRICTED TO HSP M, EVENT MAJORS  
 4608010 1B MWF 11:00-11:50  
 MEETS: AUG 26-DEC 20  
 Note: SECTION 1B RESTRICTED TO A M D MAJORS ONLY  
 4608015 1C MWF 11:00-11:50  
 MEETS: AUG 26-DEC 20  
 Note: SECTION 1C RESTRICTED TO MAJORS OTHER THAN HSP M, A M D, EVENT

SEM CAREERS:EVENT&H AESHM 311E 1 CREDIT  
 Prereq: AESHM 113E, SOPHOMORE CLASSIFICATION  
 Note: COURSE RESTRICTED TO HSP M, EVENT, FCEDS MAJORS  
 1517005 1 ARRANGED  
 MEETS: AUG 26-OCT 18  
 Note: Course delivery is WWW  
 1517010 2 ARRANGED  
 MEETS: OCT 21-DEC 20  
 Note: Course delivery is WWW

SEM CAREERS:APPAREL AESHM 311N 1 CREDIT  
 Prereq: AESHM 113N, SOPHOMORE CLASSIFICATION  
 1624005 1 T 4:10-5:00  
 MEETS: AUG 26-OCT 18  
 1624010 2 T 5:10-6:00PM  
 MEETS: AUG 26-OCT 18

HSPTY&APPARL MARKTG AESHM 340 3 CREDITS  
 Prereq: ECON 101  
 2921005 1A ARRANGED  
 MEETS: AUG 26-DEC 20  
 Note: SECTN 1A RESTRICTED TO HSP M, EVENT MAJORS ONLY  
 Course delivery is WWW  
 2921010 1B ARRANGED  
 MEETS: AUG 26-DEC 20  
 Note: SEC 1B RESTRICTED TO A M D, CUSFH, CUSFA MAJORS  
 Course delivery is WWW  
 2921015 1C ARRANGED  
 MEETS: AUG 26-DEC 20  
 Note: SECTION 1C RESTRICTED TO MAJORS OTHER THAN A M D, HSP M, EVENT, P BUS, MKT  
 Course delivery is WWW

AESTHTCS CNSMR EXPC AESHM 342 3 CREDITS  
 Prereq: SOPHOMORE CLASSIFICATION  
 Note: Meets U.S. diversity reqmt  
 4609005 1A MWF 2:10-3:00  
 MEETS: AUG 26-DEC 20  
 Note: SECTN 1A RESTRICTED TO EVENT, HSP M MAJORS ONLY  
 4609010 1B MWF 2:10-3:00  
 MEETS: AUG 26-DEC 20  
 Note: SECTION 1B RESTRICTED TO A M D MAJORS ONLY  
 4609015 1C MWF 2:10-3:00  
 MEETS: AUG 26-DEC 20  
 Note: SECTION 1C RESTRICTED TO MAJORS OTHER THAN A M D, EVENT, HSP M

U.S. FLD STDY:EVENT AESHM 380F 1- 3 CREDITS  
 Prereq: 9 CREDITS IN EVENT, AESHM, OR HSP M; SOPHOMORE CLASSIFICATION; MINIMUM 2.0 GPA; PERMISSION BY APPLICATION  
 Note: COURSE OFFERED FOR 2 CREDITS FALL 2019  
 THERE WILL BE A \$790 SPECIAL COURSE FEE  
 Instructor permission required.  
 1660005 1 ARRANGED  
 MEETS: AUG 26-DEC 20

U.S. FLD STU:APPARL AESHM 380N 1- 3 CREDITS  
 Prereq: 10 CREDITS IN EVENT, AESHM, OR HSP M; SOPHOMORE CLASSIFICATION; MINIMUM 2.0 GPA; PERMISSION BY APPLICATION  
 Note: COURSE ONLY OFFERED FOR 2 CREDITS FALL 2019  
 Instructor permission required.  
 1663005 1 W 5:10-6:00PM  
 ARRANGED  
 MEETS: AUG 26-DEC 20

COOPERATIVE EDUCATN AESHM 398 R CREDIT  
 Prereq: PERMISSION OF ADVISER; JR CLASSIFICATN  
 1002040 N ARRANGED  
 MEETS: AUG 26-DEC 20  
 Note: SECTION N FOR A M D MAJORS ONLY  
 Instructor permission required.  
 1002005 1 ARRANGED  
 MEETS: AUG 26-DEC 20  
 Note: SEC 1 FOR HSP M MAJORS ONLY  
 Instructor permission required.  
 1002010 2 ARRANGED  
 MEETS: AUG 26-DEC 20  
 1002015 3 ARRANGED  
 MEETS: AUG 26-DEC 20  
 Note: SEC 3 FOR EVENT MAJORS ONLY  
 Instructor permission required.

APPAREL, EVENTS & HOSPITALITY MGMT (CONTINUED)

COOPERATIVE EDUCATN AESHM 398 R CREDIT  
 1002020 4 ARRANGED  
 MEETS: AUG 26-DEC 20  
 Note: SEC 4 FOR A M D MAJORS ONLY  
 Instructor permission required.

SEM ISS:EVNT&HSPPLY AESHM 411E 1 CREDIT  
 Prereq: SENIOR CLASSIFICATION IN AESHM  
 Note: COURSE RESTRICTED TO EVENT, HSP M MAJORS  
 7664005 1 ARRANGED  
 MEETS: AUG 26-OCT 18  
 Note: Course delivery is WWW

SEM CURR ISS APPARL AESHM 411N 1- 3 CREDITS  
 Prereq: AESHM 470N  
 Note: COURSE ONLY OFFERED FOR 1 CREDIT FALL 2019.  
 RESTRICTED TO A M D MAJORS ONLY.  
 8078005 1 W 4:10-5:00, ARRANGED  
 MEETS: AUG 26-OCT 18  
 8078010 2 W 5:10-6:00PM  
 ARRANGED  
 MEETS: AUG 26-OCT 18

INTERNSHP EVENT MGT AESHM 470F 3- 6 CREDITS  
 Prereq: AESHM 311, EVENT 271, EMPLOYER/LOCATION  
 SHOULD BE DIFFERENT THAN EMPLOYER/LOCATION USED FOR  
 AESHM 170 AND AESHM 270  
 Note: NO MORE THAN 12 CREDITS TOTAL FROM AESHM 170,  
 AESHM 270, AND AESHM 470 MAY BE APPLIED TOWARD  
 GRADUATION. RESTRICTED TO EVENT JUNIORS AND SENIORS.  
 \*\*\*\*\*  
 SEE DEPT FOR REFERENCE NUMBERS

INTERNSHIP APPAREL AESHM 470N 3- 6 CREDITS  
 Prereq: AESHM 311, 9 CREDITS IN A M D, MINIMUM  
 2.0 GPA; PERMISSION BY APPLICATION; JUNIOR OR SENIOR  
 CLASSIFICATION; EMPLOYER/LOCATION SHOULD BE DIFFERENT  
 THAN EMPLOYER/LOCATION USED FOR AESHM 170 AND 270  
 Note: NO MORE THAN 12 CREDITS TOTAL FROM AESHM 170,  
 AESHM 270, AND AESHM 470 MAY BE APPLIED TOWARD  
 GRADUATION  
 \*\*\*\*\*  
 SEE DEPT FOR REFERENCE NUMBERS

FASHION SHOW MGT AESHM 472 2- 3 CREDITS  
 Prereq: PERMISSION OF INSTRUCTOR  
 Note: NO MORE THAN 5 CREDITS OF AESHM 472 MAY BE  
 APPLIED TOWARD GRADUATION  
 \*\*\*\*\*  
 SEE DEPT FOR REFERENCE NUMBERS

ENTREPRNR HUMAN SCI AESHM 474 3 CREDITS  
 Prereq: A M D 275 OR AESHM 287 OR ACCT 284  
 OR 3 CREDITS IN MKT OR PERMISSION OF INSTRUCTOR  
 4618005 1A TR 6:30-7:50PM  
 MEETS: AUG 26-DEC 20  
 Note: SECTION 1C RESTRICTED TO A M D MAJORS ONLY  
 4618010 1B TR 6:30-7:50PM  
 MEETS: AUG 26-DEC 20  
 Note: SECTION 1B RESTRICTED TO EVENT, HSP M MAJORS ONLY  
 4618015 1C TR 6:30-7:50PM  
 MEETS: AUG 26-DEC 20  
 Note: SECTION 1C RESTRICTED TO MAJORS OTHER THAN  
 A M D, EVENT, HSP M

INDEP STUDY: HONORS AESHM 490H 2- 4 CREDITS  
 Prereq: PERMISSION OF INSTRUCTOR  
 Satisfactory-Fail Only.  
 \*\*\*\*\*  
 SEE DEPT FOR REFERENCE NUMBERS

PRACTCM APPAR MCHDS AESHM 570A 1- 3 CREDITS  
 Prereq: 6 GRAD CREDITS IN PROGRAM AREA;  
 INSTRUCTOR PERMISSION  
 6660005 1 ARRANGED  
 MEETS: AUG 26-DEC 20  
 Note: Instructor permission required.

PRACTCM HSPPLY MGT AESHM 570B 1- 3 CREDITS  
 Prereq: 6 GRAD CREDITS IN PROGRAM AREA;  
 INSTRUCTOR PERMISSION  
 1509005 1 ARRANGED  
 MEETS: AUG 26-DEC 20  
 Note: Instructor permission required.

TCHG PRACTCM APPARL AESHM 670A 1- 3 CREDITS  
 Prereq: 6 GRADUATE CREDITS IN PROGRAM AREA;  
 PERMISSION OF INSTRUCTOR  
 \*\*\*\*\*  
 SEE DEPT FOR REFERENCE NUMBERS

TCHG PRCTCM HSPPLY AESHM 670B 1- 3 CREDITS  
 Prereq: 6 GRADUATE CREDITS IN PROGRAM AREA;  
 PERMISSION OF INSTRUCTOR  
 \*\*\*\*\*  
 SEE DEPT FOR REFERENCE NUMBERS

**APPAREL, MERCHANDISING, AND DESIGN**

APPARL ASSEMBL PROC A M D 121 3 CREDITS  
 Prereq: ENROLLMENT IN A M D 204 RECOMENDED  
 Note: COURSE RESTRICTED TO A M D MAJORS ONLY  
 6602005 1 M 9:00-9:50  
 TR 11:00-12:50  
 MEETS: AUG 26-DEC 20  
 6602010 2 M 9:00-9:50  
 TR 1:10-3:00  
 MEETS: AUG 26-DEC 20

APPAREL, MERCHANDISING, AND DESIGN (CONTINUED)

FASHION PRODCTS&MKT A M D 131 3 CREDITS  
 8338005 1A M 10:00-10:50  
 ARRANGED  
 MEETS: AUG 26-DEC 20  
 Note: THE ARRANGED TIME REPRESENTS ON-LINE LECTURES.  
 SEC 1A RESTRICTED TO A M D MAJORS ONLY.  
 8338010 1B M 10:00-10:50  
 ARRANGED  
 MEETS: AUG 26-DEC 20  
 Note: THE ARRANGED TIME REPRESENTS ON-LINE LECTURES.  
 SEC 1B RESTRICTED TO MAJORS OTHER THAN A M D.  
 8338015 2A W 10:00-10:50  
 ARRANGED  
 MEETS: AUG 26-DEC 20  
 Note: THE ARRANGED TIME REPRESENTS ON-LINE LECTURES.  
 SEC 2A RESTRICTED TO A M D MAJORS ONLY.  
 8338020 2B W 10:00-10:50  
 ARRANGED  
 MEETS: AUG 26-DEC 20  
 Note: THE ARRANGED TIME REPRESENTS ON-LINE LECTURES.  
 SEC 2B RESTRICTED TO MAJORS OTHER THAN A M D.  
 8338025 3A F 10:00-10:50  
 ARRANGED  
 MEETS: AUG 26-DEC 20  
 Note: THE ARRANGED TIME REPRESENTS ON-LINE LECTURES.  
 SEC 3A RESTRICTED TO MAJORS OTHER THAN A M D.  
 8338030 3B F 10:00-10:50  
 ARRANGED  
 MEETS: AUG 26-DEC 20  
 Note: THE ARRANGED TIME REPRESENTS ON-LINE LECTURES.  
 SEC 3B RESTRICTED TO MAJORS OTHER THAN A M D.

DRESS&DIVRSTY SOCIE A M D 165 3 CREDITS  
 Note: Meets U.S. diversity reqmt  
 6603005 1A TR 12:40-2:00  
 MEETS: AUG 26-DEC 20  
 6603010 1B TR 12:40-2:00  
 MEETS: AUG 26-DEC 20  
 Note: SEC 1B RESTRICTED TO MAJORS OTHER THAN A M D

INTR APPRL DSN STDO A M D 178 3 CREDITS  
 Note: COURSE RESTRICTED TO A M D MAJORS ONLY  
 8923005 1 ARRANGED  
 WF 10:00-11:50  
 MEETS: AUG 26-DEC 20  
 Note: ARRANGED REPRESENTS ONLINE DELIVERY OF LECTURE  
 8923010 2 ARRANGED  
 MW 12:10-2:00  
 MEETS: AUG 26-DEC 20  
 Note: ARRANGED REPRESENTS ONLINE DELIVERY OF LECTURE

TEXTILE SCIENCE A M D 204 4 CREDITS  
 Prereq: A M D 131  
 6604005 1 TR 9:30-10:20  
 W 2:10-4:00  
 MEETS: AUG 26-DEC 20  
 6604010 2 TR 9:30-10:20  
 W 4:10-6:00PM  
 MEETS: AUG 26-DEC 20  
 6604015 3 TR 9:30-10:20  
 R 3:10-5:00  
 MEETS: AUG 26-DEC 20  
 6604020 4 ARRANGED, T 8:00-9:50  
 MEETS: AUG 26-DEC 20  
 Note: SEC 4 RESTRICTED TO A M D MAJORS ONLY  
 6604025 5 ARRANGED, T 2:10-4:00  
 MEETS: AUG 26-DEC 20  
 Note: SEC 5 RESTRICTED TO A M D MAJORS ONLY

HONORS TEXTILE SCI A M D 204H 4 CREDITS  
 Note: COURSE RESTRICTED TO MEMBERS OF THE UNIVERSITY  
 HONORS PROGRAM ONLY  
 7590005 1 TR 9:30-10:20  
 W 2:10-4:00  
 MEETS: AUG 26-DEC 20  
 7590010 2 TR 9:30-10:20  
 W 4:10-6:00PM  
 MEETS: AUG 26-DEC 20

DESGN SELECTV ADVNC A M D 206 R CREDIT  
 Prereq: COMPLETION OR ENROLLMENT IN A M D 121,  
 A M D 131, A M D 178, AND A M D 204, AND  
 ENROLLMENT IN MAJOR.  
 Note: Instructor permission required.  
 Satisfactory-Fail Only.  
 4188005 1 ARRANGED  
 MEETS: OCT 21-DEC 20

CPR APP DIGTL DSGN A M D 210 3 CREDITS  
 Prereq: CREDIT OR ENROLLMENT IN A M D 245; AESHM  
 113N  
 Note: COURSE RESTRICTED TO A M D MAJORS ONLY  
 5087005 1 T 1:10-3:00, ARRANGED  
 MEETS: AUG 26-DEC 20  
 5087010 2 R 1:10-3:00, ARRANGED  
 MEETS: AUG 26-DEC 20

## APPAREL, MERCHANDISING, AND DESIGN (CONTINUED)

PATTRNMAK I:DRFT&FL A M D 225 3 CREDITS  
Prereq: A M D 121, A M D 204, A M D 206  
6607005 1 MWF 12:10-1:30  
ARRANGED  
MEETS: AUG 26-DEC 20  
Note: Instructor permission required.  
6607010 2 MWF 2:10-3:30  
ARRANGED  
MEETS: AUG 26-DEC 20  
Note: Instructor permission required.

PRODUCT DEVELOP&MFG A M D 231 4 CREDITS  
Prereq: A M D 204  
Note: COURSE RESTRICTED TO A M D MAJORS ONLY  
6608005 1 TR 11:00-12:20  
W 11:00-12:50  
MEETS: AUG 26-DEC 20  
6608010 2 TR 11:00-12:20  
F 10:00-11:50  
MEETS: AUG 26-DEC 20  
6608015 3 TR 11:00-12:20  
F 12:10-2:00  
MEETS: AUG 26-DEC 20

AESTHETC&BRAND IMAG A M D 245 3 CREDITS  
Prereq: A M D 131, A M D 165; CREDIT OR  
ENROLLMENT IN A M D 204  
6609005 1A MWF 11:00-11:50  
MEETS: AUG 26-DEC 20  
Note: SEC 1A RESTRICTED TO A M D MAJORS ONLY  
6609010 1B MWF 11:00-11:50  
MEETS: AUG 26-DEC 20  
Note: SEC 1B RESTRICTED TO MAJORS OTHER THAN A M D

MUSEUM STUDIES A M D 257 3 CREDITS  
Prereq: SOPHOMORE STANDING  
1207005 1A TR 4:10-5:30, ARRANGED  
MEETS: AUG 26-DEC 20  
Note: SEC 1A RESTRICTED TO A M D MAJORS ONLY  
1207010 1B TR 4:10-5:30, ARRANGED  
MEETS: AUG 26-DEC 20  
Note: SEC 1B RESTRICTED TO MAJORS OTHER THAN A M D

RETAIL MERCHANDISNG A M D 275 3 CREDITS  
Prereq: 3 CREDITS IN MATH  
2853005 1A TR 2:10-3:30  
MEETS: AUG 26-DEC 20  
Note: SEC 1A RESTRICTED TO A M D MAJORS ONLY  
2853010 1B TR 2:10-3:30  
MEETS: AUG 26-DEC 20  
Note: SEC 1B RESTRICTED TO HSP M, EVENT MAJORS  
2853015 1C TR 2:10-3:30  
MEETS: AUG 26-DEC 20  
Note: SEC 1C RESTRICTED TO MAJORS OTHER THAN  
A M D, HSP M, EVENT

FASHION ILLUSTRATN A M D 278 3 CREDITS  
Prereq: A M D 178, A M D 210 OR CONCURRENT  
ENROLLMENT, A M D 245 OR CONCURRENT ENROLLMENT,  
PERMISSION OF INSTRUCTOR  
Note: COURSE FOR A M D MAJORS ONLY  
6611005 1 MWF 8:00-9:50  
MEETS: AUG 26-DEC 20  
Note: Instructor permission required.

TEXTL&AP QUAL ASSUR A M D 305 3 CREDITS  
Prereq: A M D 231; ONE COURSE IN NATURAL SCIENCE  
(CHEMISTRY WITH LAB PREFERRED); STAT 101 OR STAT 226  
OR STAT 401  
Note: COURSE RESTRICTED TO A M D MAJORS ONLY  
6614005 1 TR 12:10-2:00  
MEETS: AUG 26-DEC 20

CPR-AID PATTRNMAKNG A M D 310 3 CREDITS  
Prereq: A M D 210, A M D 225; PERMISSION OF  
INSTRUCTOR  
1142005 1 MW 12:10-2:00  
MEETS: AUG 26-DEC 20  
Note: Department permission required.

CPTR INTEGRAT DSIGN A M D 321 3 CREDITS  
Prereq: A M D 210, CREDIT OR ENROLLMENT IN  
A M D 278, INSTRUCTOR PERMISSION  
6605005 1 MW 2:10-4:00, ARRANGED  
MEETS: AUG 26-DEC 20  
Note: Department permission required.

PATTRNMAK II:DRAPNG A M D 325 3 CREDITS  
Prereq: A M D 206, A M D 225, INSTRUCTOR PERMISSN  
Note: Instructor permission required.  
7199005 1 MWF 10:00-11:50  
MEETS: AUG 26-DEC 20

DIGTL TXTLE PRINTNG A M D 329 3 CREDITS  
Prereq: A M D 321, CREDIT OR CONCURRENT  
ENROLLMENT IN A M D 325  
7365005 1 MW 8:00-9:50  
MEETS: AUG 26-DEC 20  
Note: Instructor permission required.

## APPAREL, MERCHANDISING, AND DESIGN (CONTINUED)

HIST EUR&N AM DRESS A M D 354 3 CREDITS  
Prereq: 3 CREDITS FROM HISTORY OR ART HISTORY  
Note: Meets international perspectives reqmt  
6620005 1A T 11:00-11:50  
ARRANGED  
MEETS: AUG 26-DEC 20  
Note: SEC 1A RESTRICTED TO A M D MAJORS ONLY  
6620010 1B T 11:00-11:50  
ARRANGED  
MEETS: AUG 26-DEC 20  
Note: SEC 1B RESTRICTED TO MAJORS OTHER THAN A M D  
6620015 2A R 11:00-11:50  
ARRANGED  
MEETS: AUG 26-DEC 20  
Note: SEC 2A RESTRICTED TO A M D MAJORS ONLY  
6620020 2B R 11:00-11:50  
ARRANGED  
MEETS: AUG 26-DEC 20  
Note: SEC 2B RESTRICTED TO MAJORS OTHER THAN A M D

HONORS HISTRY DRESS A M D 354H 3 CREDITS  
Prereq: MEMBERSHIP IN UNIVERSITY HONORS PROGRAM  
Note: COURSE RESTRICTED TO A M D MAJORS WHO ARE  
MEMBERS OF THE UNIVERSITY HONORS PROGRAM  
Meets international perspectives reqmt  
5600005 1 T 11:00-11:50  
MEETS: AUG 26-DEC 20

SOURCNG&GLOBAL ISSU A M D 372 3 CREDITS  
Prereq: A M D 231, A M D 275. RECOMMEND ECON 101  
OR ECON 102.  
Note: COURSE RESTRICTED TO A M D MAJORS ONLY  
Meets international perspectives reqmt  
8133005 1 MWF 2:10-3:00  
MEETS: AUG 26-DEC 20

HONORS SOURCNG&GLBL A M D 372H 3 CREDITS  
Prereq: MEMBERSHIP IN UNIVERSITY HONORS PROGRAM  
Note: COURSE RESTRICTED TO UNIVERSITY HONORS  
PROGRAM MEMBERS ONLY  
Meets international perspectives reqmt  
6632005 1 MWF 2:10-3:00  
MEETS: AUG 26-DEC 20

MERCHDS PLAN&BUYING A M D 376 4 CREDITS  
Prereq: A M D 275; COM S 113; 3 CREDITS FROM  
ACCT 284, MATH 104, MATH 105, MATH 140, MATH 150,  
OR EQUIVALENT  
Note: COURSE RESTRICTED TO A M D MAJORS ONLY.  
'ARRANGED' IN THE TIME FIELD REPRESENTS WW COURSE  
DELIVERY. OTHER TIMES WILL MEET IN CLASSROOMS.  
6625005 1 TR 9:30-10:20  
ARRANGED  
T 11:00-12:50  
MEETS: AUG 26-DEC 20  
6625010 2 TR 9:30-10:20  
ARRANGED, R 12:10-2:00  
MEETS: AUG 26-DEC 20

VISUAL PRESNTN&PRMO A M D 377 3 CREDITS  
Prereq: A M D 245 OR AESHM 342; AESHM 340 OR  
MKT 340  
6626005 1A MWF 3:10-4:00  
MEETS: AUG 26-DEC 20  
Note: SEC 1A RESTRICTED TO A M D MAJORS ONLY  
6626010 1B MWF 3:10-4:00  
MEETS: AUG 26-DEC 20  
Note: SEC 1B RESTRICTED TO MAJORS OTHER THAN A M D

TCHNICL DESIGN PROC A M D 415 3 CREDITS  
Prereq: A M D 225; A M D 231  
Note: COURSE RESTRICTED TO A M D MAJORS ONLY  
4154005 1 TR 2:10-4:00, ARRANGED  
MEETS: AUG 26-DEC 20

CONSUMR STDI APPARL A M D 467 3 CREDITS  
Prereq: A M D 165; AESHM 340 OR MKT 340;  
STAT 101 OR STAT 104 OR STAT 226  
6623005 1A MW 1:10-2:00  
F 1:10-2:00  
MEETS: AUG 26-DEC 20  
Note: SEC 1A RESTRICTED TO A M D MAJORS ONLY  
6623010 1B MW 1:10-2:00  
F 1:10-2:00  
MEETS: AUG 26-DEC 20  
Note: SEC 1B RESTRICTED TO EVENT MAJORS ONLY

RETAIL INFO ANALYSI A M D 475 3 CREDITS  
Prereq: A M D 376  
Note: COURSE RESTRICTED TO A M D MAJORS ONLY  
4159005 1 TR 1:10-2:00  
R 2:10-4:00  
MEETS: AUG 26-DEC 20  
4159010 2 TR 1:10-2:00  
F 9:00-10:50  
MEETS: AUG 26-DEC 20

## APPAREL, MERCHANDISING, AND DESIGN (CONTINUED)

IND STU TEXTILE SCI A M D 490A VAR. CREDITS  
Prereq: 6 CR IN A M D, PERMISSION OF INSTRUCTOR,  
ADVISER AND DEPARTMENT CHAIR  
Note: NO MORE THAN 9 CREDITS TOTAL OF A M D 290 AND  
A M D 490 MAY BE APPLIED TOWARD GRADUATION  
Instructor permission required.  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

IND ST HIST TX&DRSS A M D 490B VAR. CREDITS  
Prereq: 6 CR IN A M D; PERMISSION OF THE  
INSTRUCTOR, ADVISER AND DEPARTMENT CHAIR  
Note: NO MORE THAN 9 CREDITS TOTAL OF A M D 290 AND  
A M D 490 MAY BE APPLIED TOWARD GRADUATION  
Instructor permission required.  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

IND STU TXTL&AP DSN A M D 490C VAR. CREDITS  
Prereq: 6 CR IN A M D; PERMISSION OF THE  
INSTRUCTOR, ADVISER AND DEPARTMENT CHAIR  
Note: NO MORE THAN 9 CREDITS TOTAL OF A M D 290 AND  
A M D 490 MAY BE APPLIED TOWARD GRADUATION  
Instructor permission required.  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

IND ST ENTREPRENEUR A M D 490E VAR. CREDITS  
Prereq: 6 CR IN A M D; PERMISSION OF THE  
INSTRUCTOR, ADVISER AND DEPARTMENT CHAIR  
Note: NO MORE THAN 9 CREDITS TOTAL OF A M D 290 AND  
A M D 490 MAY BE APPLIED TOWARD GRADUATION  
Instructor permission required.  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

IND STU PSY OF DRSS A M D 490F VAR. CREDITS  
Prereq: 6 CR IN A M D; PERMISSION OF THE  
INSTRUCTOR, ADVISER AND DEPARTMENT CHAIR  
Note: NO MORE THAN 9 CREDITS TOTAL OF A M D 290 AND  
A M D 490 MAY BE APPLIED TOWARD GRADUATION  
Instructor permission required.  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

INDEP STUDY HONORS A M D 490H VAR. CREDITS  
Prereq: 6 CR IN A M D; PERMISSION OF THE  
INSTRUCTOR, ADVISER AND DEPARTMENT CHAIR.  
MEMBERSHIP IN THE UNIVERSITY HONORS PROGRAM.  
Note: COURSE RESTRICTED TO HONORS PROGRAM STUDENTS ONLY  
NO MORE THAN 9 CREDITS TOTAL OF A M D 290 AND  
A M D 490 MAY BE APPLIED TOWARD GRADUATION  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

IND STDY:PROD DEVEL A M D 490J VAR. CREDITS  
Prereq: 6 CREDITS IN A M D. PERMISSION OF  
THE INSTRUCTOR, ADVISER, AND DEPARTMENT CHAIR.  
Note: NO MORE THAN 9 CREDITS TOTAL OF A M D 290 AND  
A M D 490 MAY BE APPLIED TOWARD GRADUATION  
Instructor permission required.  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

IND STU:PR&QUAL ASU A M D 490S VAR. CREDITS  
Prereq: 6 CREDITS IN A M D. PERMISSION OF  
THE INSTRUCTOR, ADVISER, AND DEPARTMENT CHAIR.  
Note: NO MORE THAN 9 CREDITS TOTAL OF A M D 290 AND  
A M D 490 MAY BE APPLIED TOWARD GRADUATION  
Instructor permission required.  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

IND STDY:FASHN SHOW A M D 490W VAR. CREDITS  
Prereq: 6 CREDITS IN A M D. PERMISSION OF  
THE INSTRUCTOR, ADVISER, AND DEPARTMENT CHAIR.  
Note: NO MORE THAN 9 CREDITS TOTAL OF A M D 290 AND  
A M D 490 MAY BE APPLIED TOWARD GRADUATION  
Instructor permission required.  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

SENIOR DSIGN STUDIO A M D 495 3 CREDITS  
Prereq: A M D 310, A M D 325, A M D 329,  
PERMISSION OF INSTRUCTOR  
Note: COURSE RESTRICTED TO A M D SENIORS ONLY  
3914005 1 TR 8:00-8:50  
TR 9:00-10:50  
MEETS: AUG 26-DEC 20  
Note: Instructor permission required.  
3914010 2 TR 8:00-8:50  
TR 4:10-6:00PM  
MEETS: AUG 26-DEC 20  
Note: Instructor permission required.

UNDERGRAD RESEARCH A M D 499 1- 3 CREDITS  
Prereq: SENIOR CLASSIFICATN; 15 CREDITS IN A M D;  
PERMISSION OF INSTRUCTOR, ADVISER, & DEPT CHAIR  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

FND SCHOLRSH IN AMD A M D 510 3 CREDITS  
Prereq: GRADUATE CLASSIFICATION OR PERMISSION  
OF INSTRUCTOR  
6649005 1 W 6:00-9:00PM  
MEETS: AUG 26-DEC 20

## APPAREL, MERCHANDISING, AND DESIGN (CONTINUED)

SUSTNBLY:THEOR&APP A M D 565 3 CREDITS  
Prereq: 3 CR IN RESEARCH METHODS; BASIC  
KNOWLEDGE OF APPAREL INDUSTRY AND PRODUCT  
DEVELOPMENT; PERMISSION OF INSTRUCTOR  
1853005 1 W 6:10-9:00PM  
MEETS: AUG 26-DEC 20

SPL TOP TEXTILE SCI A M D 590A VAR. CREDITS  
Prereq: PERMISSION OF DIRECTOR OF GRADUATE  
EDUCATION, ADVISER, AND INSTRUCTOR(S)  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

SPL TOPC HIST DRESS A M D 590B VAR. CREDITS  
Prereq: PERMISSION OF DIRECTOR OF GRADUATE  
EDUCATION, ADVISER, AND INSTRUCTOR(S)  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

SPL TOP TXTL&AP DSN A M D 590C VAR. CREDITS  
Prereq: PERMISSION OF DIRECTOR OF GRADUATE  
EDUCATION, ADVISER, AND INSTRUCTOR(S)  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

SPL TP MCHDS.ENTREP A M D 590E VAR. CREDITS  
Prereq: PERMISSION OF DIRECTOR OF EDUCATION  
EDUCATION, ADVISER, AND INSTRUCTOR(S)  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

SPL TOP SOC-PSY ASP A M D 590F VAR. CREDITS  
Prereq: PERMISSION OF DIRECTOR OF EDUCATION  
EDUCATION, ADVISER, AND INSTRUCTOR(S)  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

SPL TOPC PROD DEVEL A M D 590J VAR. CREDITS  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

SPL TOP PROD&QUALTY A M D 590S VAR. CREDITS  
Prereq: PERMISSION OF DEPT CHAIR & INSTRUCTOR  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

SPL TOPC FASHN SHOW A M D 590W VAR. CREDITS  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

SR DESIGN STUDIO A M D 595 3 CREDITS  
Prereq: A M D 325, A M D 526, PERMISSION OF  
INSTRUCTOR  
9107005 1 TR 8:00-8:50  
TR 9:00-10:20  
MEETS: AUG 26-DEC 20

CREATIVE COMPONENT A M D 599 VAR. CREDITS  
Prereq: 9 GRADUATE CREDITS IN A M D  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

ADVANCED TOPICS A M D 690 VAR. CREDITS  
Prereq: ENROLLMENT IN DOCTORAL PROGRAM, PERMISSN  
OF INSTRUCTOR, AND APPROVAL OF D.O.G.E.  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

RESEARCH A M D 699 VAR. CREDITS  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

## ARABIC

ELEMENTARY ARABIC I ARABC 101 4 CREDITS  
7437005 1 MTWR 10:00-10:50  
MEETS: AUG 26-DEC 20  
7437010 2 MTWR 11:00-11:50  
MEETS: AUG 26-DEC 20

INTERMDIAT ARABIC I ARABC 201 4 CREDITS  
Prereq: ARABC 102 OR PLACEMENT BY DEPT EXAM  
Note: Meets international perspectives reqmt  
9279005 1 MTWR 12:10-1:00  
MEETS: AUG 26-DEC 20

INDEPENDENT STUDY ARABC 490 1- 6 CREDITS  
Prereq: 6 CREDITS IN ARABIC, PERMISSION OF  
DEPARTMENT CHAIR  
Note: NO MORE THAN 6 CREDITS IN ARABIC 490 MAY BE  
APPLIED TOWARD GRADUATION  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

## ARCHITECTURE

ARCHITCTRL DESIGN I ARCH 201 6 CREDITS  
Prereq: COMPLETION OF THE PRE-PROFESSIONAL  
PROGRAM AND ADMISSION INTO THE PROFESSIONAL PROGRAM  
IN ARCHITECTURE  
Note: COURSE RESTRICTED TO ARC MAJORS ONLY  
1673005 1 F 3:10-5:20  
MW 1:10-5:20  
F 1:10-3:00  
MEETS: AUG 26-DEC 20



ARCHITECTURE (CONTINUED)

ARCHITECTURE (CONTINUED)

ARCHITCTRL DESIGN I ARCH 201H 6- 7 CREDITS  
 Prereq: COMPLETION OF THE PRE-PROFESSIONAL PROGRAM AND ADMISSION INTO THE PROFESSIONAL PROGRAM IN ARCHITECTURE  
 Note: COURSE RESTRICTED TO STUDENTS IN THE UNIVERSITY HONORS PROGRAM  
 FIELD TRIPS & TRAVEL FEE: \$25.00 - \$950.00  
 8138005 1 F 3:10-5:20  
 MW 1:10-5:20  
 F 1:10-3:00  
 MEETS: AUG 26-DEC 20  
 Note: Instructor permission required.

CONTRMPY ARCHITECTR ARCH 220 3 CREDITS  
 1858005 1A MWF 10:00-10:50  
 MEETS: AUG 26-DEC 20  
 Note: SEC 1A RESTRICTED TO ARC, ARCH MAJORS ONLY  
 1858010 1B MWF 10:00-10:50  
 MEETS: AUG 26-DEC 20  
 Note: SEC 1B FOR MAJORS OTHER THAN ARCH, ARCH

HIST PRE-MOD ARCHTC ARCH 221 3 CREDITS  
 Note: Meets international perspectives reqmt  
 1675005 1 MWF 9:00-9:50  
 MEETS: AUG 26-DEC 20

DSGN COMMUNICATNS I ARCH 230 3 CREDITS  
 Prereq: ADMISSION TO THE PROFESSIONAL PROGRAM IN ARCHITECTURE  
 Note: COURSE RESTRICTED TO ARC MAJORS ONLY  
 8980005 1 TR 10:00-10:50  
 TR 11:00-11:50  
 MEETS: AUG 26-DEC 20

ARCHITEC DESIGN III ARCH 301 6 CREDITS  
 Prereq: ARCH 202  
 Note: COURSE RESTRICTED TO ARC MAJORS ONLY  
 FIELD TRIPS & TRAVEL FEE: \$25.00 - \$950.00  
 1681005 1 F 3:10-5:20  
 MW 1:10-5:20  
 F 1:10-3:00  
 MEETS: AUG 26-DEC 20

ARCHITEC DESIGN III ARCH 301H 6- 7 CREDITS  
 Prereq: ARCH 202  
 Note: FOR ARC MAJORS WHO ARE MEMBERS OF THE UNIVERSITY HONORS PROGRAM  
 FIELD TRIPS & TRAVEL FEE: \$25.00 - \$950.00  
 8186005 1 F 3:10-5:20  
 MW 1:10-5:20  
 F 1:10-3:00  
 MEETS: AUG 26-DEC 20  
 Note: Instructor permission required.

HISTORY AMERIC CITY ARCH 321 3 CREDITS  
 Prereq: SOPHOMORE CLASSIFICATION  
 Note: Meets U.S. diversity reqmt  
 1570005 1 TR 12:40-2:00  
 MEETS: AUG 26-DEC 20

CMPTR-AIDED ARCH DS ARCH 334 3 CREDITS  
 1685005 1 TR 11:00-12:20  
 MEETS: AUG 26-DEC 20

THREE-DIMENS STUDIO ARCH 335 3 CREDITS  
 1686005 1 TR 1:10-3:20  
 MEETS: AUG 26-DEC 20

BLDG SCIENCE &TEC I ARCH 345 2 CREDITS  
 Prereq: ADMISSION TO THE PROFESSIONAL PROGRAM IN ARCHITECTURE; CONCURRENT ENROLLMENT IN ARCH 345L  
 8303005 1 TR 1:10-2:00  
 MEETS: AUG 26-DEC 20

BLDG SCI&TECH I LAB ARCH 345L 1 CREDIT  
 Prereq: ADMISSION TO THE PROFESSIONAL PROGRAM IN ARCHITECTURE; CONCURRENT ENROLLMENT IN ARCH 345  
 8315005 1 TR 2:10-3:00  
 MEETS: AUG 26-DEC 20

BLDG SCI&TECNOL III ARCH 347 3 CREDITS  
 Prereq: ARCH 346, ARCH 346L. CONCURRENT ENROLLMENT IN ARCH 347L.  
 8272005 1 TR 2:10-3:30  
 MEETS: AUG 26-DEC 20

BLDG SCI&TC III LAB ARCH 347L 2 CREDITS  
 Prereq: ARCH 346, ARCH 346L. CONCURRENT ENROLLMENT IN ARCH 347.  
 8281005 1 TR 3:40-5:30  
 MEETS: AUG 26-DEC 20

ARCHITECTU DESIGN V ARCH 401 6 CREDITS  
 Prereq: ARCH 302  
 Note: COURSE RESTRICTED TO ARC, ARCH MAJORS ONLY  
 1691005 1 MWF 1:10-5:20  
 MEETS: AUG 26-DEC 20  
 1691010 2 MWF 1:10-5:20  
 MEETS: AUG 26-DEC 20  
 1691015 3 MWF 1:10-5:20  
 MEETS: AUG 26-DEC 20  
 1691020 4 MWF 1:10-5:20  
 MEETS: AUG 26-DEC 20  
 1691025 5 MWF 1:10-5:20  
 MEETS: AUG 26-DEC 20

ARCHITECTU DESIGN V ARCH 401H 6- 7 CREDITS  
 Prereq: ARCH 302  
 Note: FOR ARC, ARCH MAJORS WHO ARE MEMBERS OF THE UNIVERSITY HONORS PROGRAM  
 8232005 1 MWF 1:10-5:20  
 ARRANGED  
 MEETS: AUG 26-DEC 20  
 Note: Instructor permission required.

ARCHITEC DESIGN VII ARCH 403 6 CREDITS  
 Prereq: ARCH 402  
 Note: COURSE RESTRICTED TO ARC MAJORS ONLY  
 FIELD TRIPS & TRAVEL FEE: \$25.00 - \$950.00  
 1693005 1 MWF 1:10-5:20  
 MEETS: AUG 26-DEC 20  
 1693010 2 MWF 1:10-5:20  
 MEETS: AUG 26-DEC 20  
 1693015 3 MWF 1:10-5:20  
 MEETS: AUG 26-DEC 20  
 1693020 4 MWF 1:10-5:20  
 MEETS: AUG 26-DEC 20  
 1693025 5 MWF 1:10-5:20  
 MEETS: AUG 26-DEC 20

ARCHITEC DESIGN VII ARCH 403H 6- 7 CREDITS  
 Prereq: ARCH 402  
 Note: RESTRICTED TO MEMBERS OF THE UNIV HONORS PROGRAM  
 8235005 1 MWF 1:10-5:20  
 MEETS: AUG 26-DEC 20  
 Note: Instructor permission required.

TOP 20TH CENTU ARCH ARCH 425 3 CREDITS  
 Prereq: JUNIOR CLASSIFICATION  
 Note: NO MORE THAN 6 CREDITS OF ARCH 425 MAY BE APPLIED TOWARD DEGREE REQUIREMENTS  
 1699005 1 TR 9:30-10:50  
 MEETS: AUG 26-DEC 20

TOPCS NATIVE AM ARC ARCH 426 3 CREDITS  
 Prereq: JUNIOR CLASSIFICATION  
 Note: NO MORE THAN 6 CREDITS OF ARCH/AM IN/DSN S 426 MAY BE APPLIED TO THE ARCHITECTURE DEGREE PROGRAM  
 Meets U.S. diversity reqmt  
 1295005 1A T 7:00-10:00PM  
 MEETS: AUG 26-DEC 20  
 Note: SECTION 1A TOPIC: NATIVE AMERICAN ARCHITECTURE. SECTION 1A RESTRICTED TO ARC, ARCH MAJORS ONLY.  
 1295010 1B T 7:00-10:00PM  
 MEETS: AUG 26-DEC 20  
 Note: SECTION 1B TOPIC: NATIVE AMERICAN ARCHITECTURE. SECTION 1B RESTRICTED TO MAJORS OTHER THAN ARCH, ARCH.

HIST&THRY CHINESE A ARCH 427 3 CREDITS  
 Prereq: ARCH 427: SENIOR CLASSIFICATION;  
 ARCH 527: GRADUATE CLASSIFICATION  
 Note: Meets international perspectives reqmt  
 1701005 1 MWF 9:00-9:50  
 MEETS: AUG 26-DEC 20

DIGITAL FABRICATION ARCH 433 3 CREDITS  
 Prereq: ARCH 230 AND ARCH 301  
 3852005 1 MW 10:00-11:20  
 MEETS: AUG 26-DEC 20

BLDG SCI &TECHNOL V ARCH 445 2 CREDITS  
 Prereq: ARCH 343  
 1630005 1 MW 9:00-9:50  
 MEETS: AUG 26-DEC 20

BLDG SCI&TECH V LAB ARCH 445L 1 CREDIT  
 Prereq: ARCH 348, ARCH 348L. CONCURRENT ENROLLMENT IN ARCH 445.  
 8294005 1 F 9:00-10:50  
 MEETS: AUG 26-DEC 20

PROFESSIONAL PRACTICE ARCH 482 3 CREDITS  
 Prereq: JUNIOR CLASSIFICATION AND ARCH 371  
 1712005 1 TR 3:40-5:00  
 MEETS: AUG 26-DEC 20

IND STDY DSN COMMUN ARCH 490A 1- 9 CREDITS  
 Prereq: APPROVL OF INSTR & DEPT CHAIR ON REQ FORM  
 Note: Department permission required.  
 \*\*\*\*\*  
 SEE DEPT FOR REFERENCE NUMBERS

INDEP STUDY DESIGN ARCH 490B 1- 9 CREDITS  
 Prereq: APPROVL OF INSTR & DEPT CHAIR ON REQ FORM  
 Note: Department permission required.  
 \*\*\*\*\*  
 SEE DEPT FOR REFERENCE NUMBERS

IND STDY TECHN SYST ARCH 490C 1- 9 CREDITS  
 Prereq: APPROVL OF INSTR & DEPT CHAIR ON REQ FORM  
 Note: Department permission required.  
 \*\*\*\*\*  
 SEE DEPT FOR REFERENCE NUMBERS

## ARCHITECTURE

(CONTINUED)

IND STUDY ARCH HIST ARCH 490D 1- 9 CREDITS  
Prereq: APPROV OF INSTR & DEPT CHAIR ON REQ FORM  
Note: Department permission required.  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

IND STUDY BEHAV STD ARCH 490E 1- 9 CREDITS  
Prereq: APPROV OF INSTR & DEPT CHAIR ON REQ FORM  
Note: Department permission required.  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

INDEP STDY PRACTICE ARCH 490F 1- 9 CREDITS  
Prereq: APPROV OF INSTR & DEPT CHAIR ON REQ FORM  
Note: Department permission required.  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

INDEP STUDY HONORS ARCH 490H 1- 9 CREDITS  
Prereq: APPROVAL OF INSTR & DEPT CHAIR ON  
REQUIRED FORM. MEMBERSHIP IN THE HONORS PROGRAM.  
Note: COURSE RESTRICTED TO STUDENTS IN THE UNIVERSITY  
HONORS PROGRAM ONLY  
Department permission required.  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

ARCHTC DSGN&MEDIA I ARCH 505 5 CREDITS  
Prereq: ADMISSION TO THE M ARCH PROGRAM.  
CONCURRENT ENROLLMENT IN ARCH 545, ARCH 545L  
AND ARCH 595.  
7757005 1 MW 1:10-5:20  
F 1:10-3:30  
MEETS: AUG 26-DEC 20

URBANISM IN FILM ARCH 521 3 CREDITS  
Prereq: JUNIOR CLASSIFICATION  
8296005 1 TR 7:00-9:50  
MEETS: AUG 26-DEC 20

HIST,THY CHINESE AR ARCH 527 3 CREDITS  
Prereq: GRADUATE OR SENIOR CLASSIFICATION  
Note: Meets international perspectives reqmt  
1724005 1 MWF 9:00-9:50  
MEETS: AUG 26-DEC 20

TOP STDI ARCH&CULTR ARCH 528A 2- 3 CREDITS  
Prereq: 221, 222 OR SR CLASSIF OR GRAD STANDING  
Note: COURSE ONLY OFFERED FOR 3 CREDITS FALL 2019  
1731005 1 MW 9:30-10:50  
MEETS: AUG 26-DEC 20  
1731010 2 F 9:00-11:50  
MEETS: AUG 26-DEC 20  
1731015 3 T 6:10-9:00PM  
MEETS: AUG 26-DEC 20

TOPCL STDI CMMUNCAT ARCH 528C 2- 3 CREDITS  
Prereq: 221, 222 OR SR CLASSIF OR GRAD STANDING  
Note: COURSE ONLY OFFERED FOR 3 CREDITS FALL 2019  
1326005 1 M 6:10-9:00PM  
MEETS: AUG 26-DEC 20  
1326010 2 TR 12:40-2:00  
MEETS: AUG 26-DEC 20

TOP CMPUTR-AID ARCH ARCH 534 3 CREDITS  
Prereq: ARCH 434 OR PERMISSION OF INSTRUCTOR  
1735005 1 TR 3:40-5:00  
MEETS: AUG 26-DEC 20

BLDG SCIENCE &TEC I ARCH 545 2 CREDITS  
Prereq: ADMISSION TO THE PROFESSIONAL PROGRAM  
IN ARCHITECTURE; CONCURRENT ENROLLMENT IN ARCH 345L  
8307005 1 TR 1:10-2:00  
MEETS: AUG 26-DEC 20

BLDG SCI&TECH I LAB ARCH 545L 3 CREDITS  
Prereq: ADMISSION TO THE M.ARCH PROGRAM AND  
CONCURRENT ENROLLMENT IN ARCH 505 AND ARCH 595;  
CONCURRENT ENROLLMENT IN ARCH 545  
8486005 1 TR 2:10-5:00  
MEETS: AUG 26-DEC 20

BLDG SCI&TECNOL III ARCH 547 3 CREDITS  
Prereq: ARCH 346 AND ARCH 346L, OR ARCH 546  
AND ARCH 546L. CONCURRENT ENROLLMENT IN ARCH 547L.  
8278005 1 TR 2:10-3:30  
MEETS: AUG 26-DEC 20

BLDG SCI&TC III LAB ARCH 547L 1 CREDIT  
Prereq: ARCH 506, ARCH 546, ARCH 546L, AND  
ARCH 596 OR ADVANCED STANDING IN THE M.ARCH PROGRAM;  
CONCURRENT ENROLLMENT IN ARCH 547 AND ARCH 601  
8501005 1 F 10:00-11:50  
MEETS: AUG 26-DEC 20

SUSTAINBT&GREEN ARC ARCH 558 3 CREDITS  
Prereq: GRADUATE OR SENIOR CLASSIFICATION  
1747005 1 TR 11:00-12:20  
MEETS: AUG 26-DEC 20

## ARCHITECTURE

(CONTINUED)

PRESERVATN &REHABTN ARCH 567 3 CREDITS  
Prereq: SENIOR CLASSIFICATION  
Note: SEC 1A RESTRICTED TO ARC, ARCH MAJORS ONLY,  
SEC 1B FOR MAJORS OTHER THAN ARC, ARCH.  
4712005 1A TR 9:30-10:50  
MEETS: AUG 26-DEC 20  
4712010 1B TR 9:30-10:50  
MEETS: AUG 26-DEC 20

HISTORIC PRESERVATN ARCH 568 3 CREDITS  
Prereq: SENIOR CLASSIFICATION  
2043005 1A TR 9:30-10:50  
MEETS: AUG 26-DEC 20  
Note: SEC 1A RESTRICTED TO ARC, ARCH MAJORS ONLY  
2043010 1B TR 9:30-10:50  
MEETS: AUG 26-DEC 20  
Note: SEC 1B FOR MAJORS OTHER THAN ARC, ARCH.

DSGN FOR ALL PEOPLE ARCH 571 3 CREDITS  
Prereq: GRADUATE OR SENIOR CLASSIFICATION  
Note: Meets U.S. diversity reqmt  
4714005 1 TR 11:00-12:30  
MEETS: AUG 26-DEC 20

PROFESSIONAL PRACTICE ARCH 582 3 CREDITS  
Prereq: GRADUATE CLASSIFICATION  
1755005 1 TR 3:40-5:00  
MEETS: AUG 26-DEC 20

SPECIAL TOPICS ARCH 590 1- 5 CREDITS  
Prereq: WRITTEN APPROVAL OF INSTRUCTOR AND  
DEPARTMENT CHAIR ON APPROVED FORM  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

SEMNR BUILT ENVIR I ARCH 595 5 CREDITS  
Prereq: ADMISSION TO THE M. ARCH. PROGRAM;  
CONCURRENT ENROLLMENT IN ARCH 505, ARCH 545, AND  
ARCH 545L  
7773005 1 MW 10:20-12:40  
MEETS: AUG 26-DEC 20

SEMNR BUILT ENVI III ARCH 597 3 CREDITS  
Prereq: GRADUATE OR SENIOR CLASSIFICATION  
Note: Meets international perspectives reqmt  
1720005 1 MW 10:00-11:50  
MEETS: AUG 26-DEC 20

SUSTNBL BLDG DESIGN ARCH 601 6 CREDITS  
Prereq: ARCH 507, ARCH 546, ARCH 546L, ARCH 596;  
CONCURRENT ENROLLMENT IN ARCH 547 AND ARCH 547L  
Note: COURSE RESTRICTED TO ARCH MAJORS ONLY  
1759005 1 MWF 1:10-5:20  
MEETS: AUG 26-DEC 20

INTEGRATIVE DESIGN ARCH 603 6 CREDITS  
Prereq: ARCH 601  
Note: COURSE RESTRICTED TO ARCH MAJORS ONLY  
1761005 1 MWF 1:10-5:20  
MEETS: AUG 26-DEC 20  
1761010 2 MWF 1:10-5:20  
MEETS: AUG 26-DEC 20  
1761015 3 MWF 1:10-5:20  
MEETS: AUG 26-DEC 20  
1761020 4 MWF 1:10-5:20  
MEETS: AUG 26-DEC 20

INDEP DESIGN STUDY ARCH 690 6 CREDITS  
Prereq: ADMISSION TO THE M. S. IN ARCH. PROGRAM  
Note: Department permission required.  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

GRADUATE SEMINAR ARCH 698 R CREDIT  
Prereq: ADMISSION TO THE M. ARCH. OR M. S. IN  
ARCH. PROGRAMS  
1749005 1 T 12:40-2:00  
MEETS: AUG 26-DEC 20

RESEARCH ARCH 699 3- 9 CREDITS  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

## ART EDUCATION

METHDS TEACHING ART ARTED 209 2 CREDITS  
Prereq: SOPHOMORE CLASSIFICATION  
7797005 1 TR 5:10-7:00PM  
MEETS: AUG 26-DEC 20  
7797010 2 TR 1:10-3:00  
MEETS: AUG 26-DEC 20  
7797015 3 TR 3:10-5:00  
MEETS: AUG 26-DEC 20  
7797020 4 MW 10:00-11:50  
MEETS: AUG 26-DEC 20

INTRO TO ART EDUC ARTED 211 3 CREDITS  
Prereq: SOPHOMORE LEVEL  
1773005 A1 MW 2:10-5:00  
MEETS: AUG 26-DEC 20  
Note: SECTION A1 RESTRICTED TO ART MAJORS  
1773010 A2 MW 2:10-5:00  
MEETS: AUG 26-DEC 20  
Note: SECTION A2 RESTRICTED TO EL ED, ECE MAJORS  
1773015 B1 TR 9:30-12:20  
MEETS: AUG 26-DEC 20  
Note: SECTION B1 RESTRICTED TO ART MAJORS

ART EDUCATION (CONTINUED)

INTRO TO ART EDUC ARTED 211 3 CREDITS  
 1773020 B2 TR 9:30-12:20  
 MEETS: AUG 26-DEC 20  
 Note: SECTION B2 RESTRICTED TO EL ED, ECE MAJORS

INDEPENDENT STUDY ARTED 490 VAR. CREDITS  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

**ART HISTORY**

HISTORY OF ART I ART H 280 3 CREDITS  
 Note: Meets international perspectives reqmt  
 1790005 A1 TR 11:00-12:20  
 MEETS: AUG 26-DEC 20  
 Note: SECTION A1 RESTRICTED TO COLLEGE OF DESIGN MAJORS ONLY

MODERN ART & THEORY ART H 388 3 CREDITS  
 1145005 1 TR 9:30-10:50  
 MEETS: AUG 26-DEC 20

HIST OF PHOTOGRAPHY ART H 396 3 CREDITS  
 Note: Instructor permission required 1st week.  
 1209005 1 TR 11:00-12:20  
 MEETS: AUG 26-DEC 20

19TH CENTURY ART ART H 487 3 CREDITS  
 Note: Instructor permission required 1st week.  
 1829005 1 MW 2:10-3:30  
 MEETS: AUG 26-DEC 20

INDEPENDENT STUDY ART H 490 1- 6 CREDITS  
 Prereq: WRITTEN APPROVAL OF INSTRUCTOR AND DEPARTMENT CHAIR ON REQUIRED FORM BEFORE THE SEMESTER OF ENROLLMENT  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

INDEP STUDY HONORS ART H 490H 1- 6 CREDITS  
 Prereq: WRITTEN APPROVAL OF INSTRUCTOR AND DEPARTMENT CHAIR ON REQUIRED FORM BEFORE THE SEMESTER OF ENROLLMENT  
 Note: COURSE RESTRICTED TO STUDENTS IN THE UNIVERSITY HONORS PROGRAM ONLY  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

WOMEN/GENDER IN ART ART H 494 3 CREDITS  
 Note: Meets U.S. diversity reqmt  
 Instructor permission required 1st week.  
 1210005 1 TR 2:10-3:30  
 MEETS: AUG 26-DEC 20

MUSEUM/GLLRY INTERN ART H 497 1- 6 CREDITS  
 Prereq: WRITTEN APPROVAL OF SUPERVISING INSTRUCTOR ON REQUIRED FORM IN ADVANCE OF SEMESTER OF ENROLLMENT  
 Satisfactory-Fail Only.  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

VIS CUL STUDIES SEM ART H 499 4 CREDITS  
 4684005 1 ARRANGED  
 MEETS: AUG 26-DEC 20

ISS VISUL&MATRL SEM ART H 501 3 CREDITS  
 Prereq: PERMISSION OF INSTRUCTOR  
 1892005 1 R 6:10-8:50PM  
 MEETS: AUG 26-DEC 20

MUSEUM/GLLRY INTERN ART H 586 1- 6 CREDITS  
 Prereq: GRAD CLASSIFICATION AND PERMISSION OF INSTRUCTOR. WRITTEN APPROVAL IN ADVANCE OF SEMESTER OF ENROLLMENT.  
 Satisfactory-Fail Only.  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

SPECIAL TOPICS ART H 590 VAR. CREDITS  
 Prereq: GRADUATE CLASSIFICATION; WRITTEN APPROVAL OF INSTRUCTOR AND DEPARTMENT CHAIR ON REQUIRED FORM IN ADVANCE OF SEMESTER OF ENROLLMENT.  
 Note: COURSE RESTRICTED TO GRADUATE STUDENTS IN ART  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

**ASTRONOMY & ASTROPHYSICS**

SKY & SOLAR SYSTEM ASTRO 120 3 CREDITS  
 Note: 2-PART COURSE. REGISTER FOR A DISCUSSION SECTION (NUMBERED SECTIONS 1-17) FIRST AND THEN A LECTURE (SECTIONS W OR Z). STUDENTS WHO DON'T REGISTER FOR BOTH DISCUSSION AND LECTURE SHOULD DROP THE COURSE DUE TO INCOMPLETE REGISTRATION.  
 STUDENTS WHO TAKE ASTRO 120 MAY APPLY CREDIT IN ONLY ONE OF ASTRO 102 OR 103 TOWARD GRADUATION.  
 Night exams scheduled. For dates go to <http://www.registrar.iastate.edu/students/exams/night-exams>.

1951005 1 F 8:00-8:50  
 MEETS: AUG 26-DEC 20  
 1951010 2 F 9:00-9:50  
 MEETS: AUG 26-DEC 20  
 1951015 3 F 10:00-10:50  
 MEETS: AUG 26-DEC 20  
 1951020 4 F 11:00-11:50  
 MEETS: AUG 26-DEC 20

ASTRONOMY & ASTROPHYSICS (CONTINUED)

SKY & SOLAR SYSTEM ASTRO 120 3 CREDITS  
 1951025 5 F 12:10-1:00  
 MEETS: AUG 26-DEC 20  
 1951030 6 F 1:10-2:00  
 MEETS: AUG 26-DEC 20  
 1951035 7 F 2:10-3:00  
 MEETS: AUG 26-DEC 20  
 1951040 8 F 3:10-4:00  
 MEETS: AUG 26-DEC 20  
 1951045 9 M 8:00-8:50  
 MEETS: AUG 26-DEC 20  
 1951050 10 M 9:00-9:50  
 MEETS: AUG 26-DEC 20  
 1951055 11 M 10:00-10:50  
 MEETS: AUG 26-DEC 20  
 1951060 12 M 11:00-11:50  
 MEETS: AUG 26-DEC 20  
 1951065 13 M 1:10-2:00  
 MEETS: AUG 26-DEC 20  
 1951070 14 M 2:10-3:00  
 MEETS: AUG 26-DEC 20  
 1951075 15 M 3:10-4:00  
 MEETS: AUG 26-DEC 20  
 1951080 16 M 4:10-5:00  
 MEETS: AUG 26-DEC 20  
 1951200 A TR 12:10-1:00  
 MEETS: AUG 26-DEC 20  
 1951205 B TR 1:10-2:00  
 MEETS: AUG 26-DEC 20

STARS,GALAXIES&COSM ASTRO 150 3 CREDITS  
 1952005 1 TR 2:10-3:00  
 W 9:00-9:50  
 MEETS: AUG 26-DEC 20  
 1952010 2 TR 2:10-3:00  
 W 10:00-10:50  
 MEETS: AUG 26-DEC 20  
 1952015 3 TR 2:10-3:00  
 W 11:00-11:50  
 MEETS: AUG 26-DEC 20  
 1952020 4 TR 2:10-3:00  
 W 12:10-1:00  
 MEETS: AUG 26-DEC 20  
 1952025 5 TR 2:10-3:00  
 W 1:10-2:00  
 MEETS: AUG 26-DEC 20  
 1952030 6 TR 2:10-3:00  
 R 9:00-9:50  
 MEETS: AUG 26-DEC 20  
 1952035 7 TR 2:10-3:00  
 R 10:00-10:50  
 MEETS: AUG 26-DEC 20

INDEPENDENT STUDY ASTRO 290 1- 4 CREDITS  
 Prereq: PERMISSION OF INSTRUCTOR  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

INTR SOLAR SYS ASTR ASTRO 342 3 CREDITS  
 Prereq: PHYS 222  
 8739005 1 MWF 2:10-3:00  
 MEETS: AUG 26-DEC 20

ASTRONOMY LAB ASTRO 344L 3 CREDITS  
 Prereq: PHYS 222  
 1955005 1 R 1:10-2:00, ARRANGED  
 MEETS: AUG 26-DEC 20

UNDERGRAD RESEARCH ASTRO 450 1- 6 CREDITS  
 Prereq: PERMISSION OF INSTRUCTOR  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

UNDERGRAD RESEARCH ASTRO 450L 1- 6 CREDITS  
 Prereq: 344L AND PERMISSION OF INSTRUCTOR  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

INDEPENDENT STUDY ASTRO 490 1- 4 CREDITS  
 Prereq: PERMISSION OF INSTRUCTOR  
 Note: NO MORE THAN 9 CREDITS OF ASTRO 490 MAY BE APPLIED TOWARD GRADUATION  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

HONORS INDEP STUDY ASTRO 490H 1- 4 CREDITS  
 Prereq: PERMISSION OF INSTRUCTOR, MEMBERSHIP IN THE HONORS PROGRAM  
 Note: NO MORE THAN 9 CREDITS OF ASTRO 490 MAY BE APPLIED TOWARD GRADUATION. COURSE RESTRICTED TO STUDENTS IN THE UNIVERSITY HONORS PROGRAM ONLY.  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

EXTRAGALACTC ASTRON ASTRO 586 3 CREDITS  
 Prereq: ASTRO 405 OR ASTRO 505 OR PERMISSION OF INSTRUCTOR  
 1969005 1 ARRANGED  
 MEETS: AUG 26-DEC 20

## ASTRONOMY &amp; ASTROPHYSICS (CONTINUED)

SPECIAL TOPICS ASTRO 590 VAR. CREDITS  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

CREATIVE COMPONENT ASTRO 599 VAR. CREDITS  
 Prereq: PERMISSION OF INSTRUCTOR  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

ADVANCED SEMINAR ASTRO 650 1 CREDIT  
 Satisfactory-Fail Only.  
 1970005 1 F 4:10-6:00PM  
 MEETS: AUG 26-DEC 20

RESEARCH ASTRO 699 VAR. CREDITS  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

## ATHLETIC TRAINING

ORIE ATHL TRN EXPRC A TR 218 .5 CREDIT  
 Satisfactory-Fail Only.  
 5297005 1 T 12:10-1:00  
 MEETS: AUG 26-OCT 18

CLN PRACTM ATH TRNG A TR 219 1 CREDIT  
 Note: COURSE RESTRICTED TO A TR MAJORS ONLY  
 9511005 1 TR 11:30-12:20  
 MEETS: AUG 26-DEC 20

BASIC ATHLETC TRAIN A TR 220 2 CREDITS  
 Prereq: BIOL 155 OR BIOL 255 AND BIOL 256  
 Note: Instructor permission required 1st week.  
 5729005 1 M 8:00-8:50  
 W 8:00-9:35  
 MEETS: AUG 26-DEC 20  
 Note: SEC 1 RESTRICTED TO A TR, D EXA, D EXH,  
 KIN H, P ATR, PDEXA, PDEXH MAJORS ONLY  
 5729010 2 M 8:00-8:50  
 T 8:00-9:35  
 MEETS: AUG 26-DEC 20  
 Note: SECTION 2 RESTRICTED TO A TR, D EXA, D EXH,  
 KIN H, P ATR, PDEXA, PDEXH MAJORS ONLY  
 5729015 3 M 8:00-8:50  
 R 8:00-9:35  
 MEETS: AUG 26-DEC 20  
 Note: SECTION 3 RESTRICTED TO MAJORS OTHER THAN  
 A TR, D EXA, D EXH, KIN H, P ATR, PDEXA, PDEXH

PRE-ATH TRAIN PRACT A TR 221 1 CREDIT  
 Prereq: CREDIT OR ENROLLMENT IN A TR 222  
 Satisfactory-Fail Only.  
 6654005 1 T 11:00-11:50  
 ARRANGED  
 MEETS: AUG 26-DEC 20

6654010 2 R 11:00-11:50  
 ARRANGED  
 MEETS: AUG 26-DEC 20

6654015 3 T 11:00-11:50  
 ARRANGED  
 MEETS: AUG 26-DEC 20

BASIC ATHLETIC TRNG A TR 222 3 CREDITS  
 Prereq: BIOL 255, 255L  
 7917005 1 TR 9:30-10:50  
 MEETS: AUG 26-DEC 20

ATHL TRAIN CL PRACT A TR 223 1 CREDIT  
 Prereq: PERMISSION OF ATHLETIC TRAINING PROGRAM  
 DIRECTOR  
 Note: COURSE RESTRICTED TO A TR MAJORS ONLY  
 Satisfactory-Fail Only.  
 7395005 1 ARRANGED  
 MEETS: AUG 26-DEC 20

Eval ATH INJURIES I A TR 224 3 CREDITS  
 Prereq: PERMISS OF ATHLETIC TRAIN PROG DIRECTOR  
 6655005 1 MWF 9:00-10:50  
 MEETS: AUG 26-DEC 20

ATHL INJURI I PRACT A TR 225 1 CREDIT  
 Prereq: PERMISS OF ATHLETIC TRAIN PROG DIRECTOR  
 Satisfactory-Fail Only.  
 6670005 1 ARRANGED  
 MEETS: AUG 26-DEC 20

THERAP MODALT ATHLE A TR 323 3 CREDITS  
 Prereq: PERMISS OF ATHLETIC TRAIN PROG DIRECTOR  
 Note: COURSE RESTRICTED TO A TR MAJORS ONLY  
 2632005 1 MW 8:00-9:50  
 MEETS: AUG 26-DEC 20

THERA MODALT PRACTM A TR 324 1 CREDIT  
 Prereq: PERMISS OF ATHLETIC TRAIN PROG DIRECTOR  
 Note: COURSE RESTRICTED TO A TR MAJORS ONLY  
 Satisfactory-Fail Only.  
 5843005 1 F 8:00-9:50  
 MEETS: AUG 26-DEC 20

## ATHLETIC TRAINING (CONTINUED)

ADMIN ATHLET TRNG A TR 425 3 CREDITS  
 Prereq: PERMISS OF ATHLETIC TRAIN PROG DIRECTOR,  
 SENIOR CLASSIFICATION  
 Note: COURSE RESTRICTED TO A TR MAJORS ONLY  
 1154005 1 TR 8:00-9:15  
 MEETS: AUG 26-DEC 20

MED CNCRN ATHL TRNR A TR 450 3 CREDITS  
 Prereq: PERMISS OF ATHLETIC TRAIN PROG DIRECTOR  
 Note: COURSE RESTRICTED TO A TR MAJORS ONLY  
 4879005 1 TR 9:30-10:45  
 MEETS: AUG 26-DEC 20

## ATHLETICS

INTERCOL CROSS CTRY ATH 101D 1 CREDIT  
 Prereq: PERMISSION OF HEAD COACH  
 Note: MEN. LIMITED TO 1 CREDIT PER YEAR TO A MAXIMUM  
 OF 4. CREDIT IN ATH 101 MAY NOT BE APPLIED TOWARD  
 GRADUATION IF CREDIT IS ALSO RECEIVED FOR SKILL  
 TECHNIQUE COURSE IN THE SAME SPORT OR KIN 166.  
 Instructor permission required.  
 Satisfactory-Fail Only.  
 1976005 1 ARRANGED  
 MEETS: AUG 26-DEC 20

INTERCOL CROSS CTRY ATH 101E 1 CREDIT  
 Prereq: PERMISSION OF HEAD COACH  
 Note: WOMEN. LIMITED TO 1 CREDIT PER YEAR TO A MAXIMUM  
 OF 4. CREDIT IN ATH 101 MAY NOT BE APPLIED TOWARD  
 GRADUATION IF CREDIT IS ALSO RECEIVED FOR SKILL  
 TECHNIQUE COURSE IN THE SAME SPORT OR KIN 166.  
 Instructor permission required.  
 Satisfactory-Fail Only.  
 1977005 1 ARRANGED  
 MEETS: AUG 26-DEC 20

INTERCOLL FOOTBALL ATH 101F 1 CREDIT  
 Prereq: PERMISSION OF HEAD COACH  
 Note: MEN. LIMITED TO 1 CREDIT PER YEAR TO A MAXIMUM  
 OF 4. CREDIT IN ATH 101 MAY NOT BE APPLIED TOWARD  
 GRADUATION IF CREDIT IS ALSO RECEIVED FOR SKILL  
 TECHNIQUE COURSE IN THE SAME SPORT OR KIN 166.  
 Instructor permission required.  
 Satisfactory-Fail Only.  
 1978005 1 ARRANGED  
 MEETS: AUG 26-DEC 20

INTERCOL VOLLEYBALL ATH 101R 1 CREDIT  
 Prereq: PERMISSION OF HEAD COACH  
 Note: WOMEN. LIMITED TO 1 CREDIT PER YEAR TO A MAXIMUM  
 OF 4. CREDIT IN ATH 101 MAY NOT BE APPLIED TOWARD  
 GRADUATION IF CREDIT IS ALSO RECEIVED FOR SKILL  
 TECHNIQUE COURSE IN THE SAME SPORT OR KIN 166.  
 Instructor permission required.  
 Satisfactory-Fail Only.  
 1989005 1 ARRANGED  
 MEETS: AUG 26-DEC 20

INTERCOLLEGIAT GOLF ATH 101T 1 CREDIT  
 Prereq: PERMISSION OF HEAD COACH  
 Note: WOMEN. LIMITED TO 1 CREDIT PER YEAR TO A MAXIMUM  
 OF 4. CREDIT IN ATH 101 MAY NOT BE APPLIED TOWARD  
 GRADUATION IF CREDIT IS ALSO RECEIVED FOR SKILL  
 TECHNIQUE COURSE IN THE SAME SPORT OR KIN 166.  
 Instructor permission required.  
 Satisfactory-Fail Only.  
 1991005 1 ARRANGED  
 MEETS: AUG 26-DEC 20

INTERCOLLEG SOCCER ATH 101U 1 CREDIT  
 Prereq: PERMISSION OF HEAD COACH  
 Note: WOMEN. LIMITED TO 1 CREDIT PER YEAR TO A MAXIMUM  
 OF 4. CREDIT IN ATH 101 MAY NOT BE APPLIED TOWARD  
 GRADUATION IF CREDIT IS ALSO RECEIVED FOR SKILL  
 TECHNIQUE COURSE IN THE SAME SPORT OR KIN 166.  
 Instructor permission required.  
 Satisfactory-Fail Only.  
 3628005 1 ARRANGED  
 MEETS: AUG 26-DEC 20

**BIOCHEM, BIOPHYSICS & MOLECULAR BIO**

INTRO BIOCHEMISTRY BBMB 101 1 CREDIT  
 1996005 1 R 12:10-1:00  
 MEETS: AUG 26-DEC 20

1996010 2 R 12:10-1:00  
 MEETS: AUG 26-DEC 20  
 Note: Department permission required.

BIOCH LRN CMM ORIEN BBMB 110 1 CREDIT  
 Prereq: CONCURRENT ENROLLMENT IN BBMB 101 IS  
 HIGHLY RECOMMENDED  
 Satisfactory-Fail Only.  
 9554005 1 W 2:10-3:00  
 MEETS: AUG 26-DEC 20

## BIOCHEM, BIOPHYSICS &amp; MOLECULAR BIO (CONTINUED)

BIOCHEMISTRY OF BEER BBMB 120 2 CREDITS  
 Note: CREDIT IN BBMB 120/FS HN 120 MAY ONLY BE APPLIED TOWARD GRADUATION AS ELECTIVE CREDIT BY NATURAL SCIENCE MAJORS  
 8418005 1 TR 11:00-11:50  
 MEETS: AUG 26-DEC 20

BIOCHEM OF BEER LAB BBMB 120L 1 CREDIT  
 Prereq: CREDIT OR ENROLLMENT FOR CREDIT IN BBMB 120 OR FS HN 120  
 Note: CREDIT IN BBMB 120L/FS HN 120L MAY ONLY BE APPLIED TOWARD GRADUATION AS ELECTIVE CREDIT BY NATURAL SCIENCE MAJORS  
 THERE IS A \$125 LAB FEE FOR THIS COURSE.  
 9485005 1 F 9:00-11:50  
 MEETS: AUG 26-DEC 20

BIOCHEMCL PROCESSES BBMB 221 3 CREDITS  
 Prereq: CHEM 163, CHEM 167, OR CHEM 177  
 Note: CREDIT FOR EITHER BBMB 221 OR CHEM 231, BUT NOT BOTH, MAY BE APPLIED TOWARD GRADUATION. BIOCHEMISTRY, AGBIO, AND BIOPHYSICS MAJORS MAY NOT COUNT CREDIT FOR BBMB 221 TOWARD THE MAJOR BUT IT IS ACCEPTABLE AS AN ELECTIVE.  
 1998005 1 MWF 10:00-10:50  
 MEETS: AUG 26-DEC 20

BIOCHEMISTRY I BBMB 404 3 CREDITS  
 Prereq: CHEM 332  
 Note: CREDIT FOR EITHER BBMB 420 OR THE BBMB 404,405 SEQUENCE, BUT NOT BOTH, MAY BE APPLIED TOWARD GRADUATION  
 2002005 1 MWF 11:00-11:50  
 MEETS: AUG 26-DEC 20

BIOCHEMCL RES TCHNQ BBMB 411 4 CREDITS  
 Prereq: CREDIT OR ENROLLMENT IN BBMB 404 OR BBMB 501; CHEM 211  
 Note: COURSE RESTRICTED TO BIOCH, BIOPH, AGBIO, BBMB, BBMB SENIORS ONLY. QUALIFIED JUNIORS MAY SEEK A SIGNATURE FROM THE DESI GUNNING.  
 2004005 1 W 1:10-2:00  
 F 1:10-2:00  
 MW 2:10-6:00PM  
 MEETS: AUG 26-DEC 20  
 2004010 2 W 1:10-2:00  
 F 1:10-2:00  
 TF 2:10-6:00PM  
 MEETS: AUG 26-DEC 20  
 2004015 3 ARRANGED  
 MEETS: AUG 26-DEC 20  
 Note: Instructor permission required.

MAMMALIAN BIOCHEM BBMB 420 3 CREDITS  
 Prereq: CHEM 332, BIOL 314  
 Note: CREDIT FOR EITHER BBMB 420 OR THE BBMB 404,405 SEQUENCE, BUT NOT BOTH, MAY BE APPLIED TOWARD GRADUATION. BIOCHEMISTRY AND AG BIOCHEMISTRY MAJORS MAY NOT APPLY CREDIT FOR BBMB 420 TOWARD THE MAJOR.  
 2005005 1 MWF 1:10-2:00  
 MEETS: AUG 26-DEC 20

LAB MICR PHYSL,DVRS BBMB 440 4 CREDITS  
 Prereq: MICRO 302,302L, CHEM 332, BIOL 301L/313L  
 Note: COURSE RESTRICTED TO MICR MAJORS ONLY  
 2090005 1 TR 1:10-5:00  
 MEETS: AUG 26-DEC 20

INDEPENDENT STUDY BBMB 490 1- 3 CREDITS  
 Prereq: AG LS COLLEGE MAJORS: JUNIOR OR SENIOR CLASSIFICATION AND INSTRUCTOR PERMISSION. LAS COLLEGE MAJORS: INSTRUCTOR PERMISSION.  
 Note: NO MORE THAN 9 CREDITS OF BBMB 490 MAY BE APPLIED TOWARD GRADUATION  
 \*\*\*\*\*  
 SEE DEPT FOR REFERENCE NUMBERS

INDEP STUDY HONORS BBMB 490H 1- 3 CREDITS  
 Prereq: MEMBERSHIP IN UNIV HONORS PROGRAM  
 INSTRUCTOR PERMISSION; COLLEGE OF AGRICULTURE: JUNIOR OR SENIOR CLASSIFICATION  
 Note: NO MORE THAN 9 CREDITS OF BBMB 490 MAY BE APPLIED TOWARD GRADUATION. COURSE RESTRICTED TO STUDENTS IN UNIVERSITY HONORS PROGRAM ONLY.  
 \*\*\*\*\*  
 SEE DEPT FOR REFERENCE NUMBERS

UNDERGRAD RESEARCH BBMB 499 1- 5 CREDITS  
 Prereq: PERMISSION OF FACULTY MEMBER WITH WHOM STUDENT PROPOSES TO WORK  
 \*\*\*\*\*  
 SEE DEPT FOR REFERENCE NUMBERS

AMINO ACIDS&PROTEIN BBMB 504 2 CREDITS  
 Prereq: CHEM 332 OR EQUIVALENT  
 5050005 1 TR 12:10-2:00  
 MEETS: AUG 26-OCT 18

## BIOCHEM, BIOPHYSICS &amp; MOLECULAR BIO (CONTINUED)

BIOENERGETCS &METAB BBMB 505 2 CREDITS  
 Prereq: CHEM 211, CHEM 332. A COURSE IN BIOCHEMISTRY IS STRONGLY RECOMMENDED.  
 4890005 1 MTRF 1:10-2:00  
 MEETS: OCT 21-DEC 20

MOLE BIOL&BIOCH RNA BBMB 510 2 CREDITS  
 Prereq: BIOL 313; BBMB 405; BBMB 502; BBMB 506 AND BBMB 507, OR GEN 409, OR EQUIVALENT  
 8626005 1 TR 11:00-11:50  
 MEETS: AUG 26-DEC 20

INTR PROTEOMCS TCNQ BBMB 542E 1 CREDIT  
 Satisfactory-Fail Only.  
 7166005 1 TR 1:10-2:00  
 TR 2:10-4:00  
 MEETS: AUG 26-DEC 20

STRUC GENOM INFRMTC BBMB 569 3 CREDITS  
 Prereq: BCB 567, BBMB 316, GEN 409, STAT 430  
 7456005 1 TR 12:40-1:55  
 MEETS: AUG 26-DEC 20

SPECIAL TOPICS BBMB 590 VAR. CREDITS  
 \*\*\*\*\*  
 SEE DEPT FOR REFERENCE NUMBERS

WORKSHP BIOCH&BIOPH BBMB 593 1 CREDIT  
 Prereq: PERMISSION AND SIGNATURE OF COURSE ADMINISTRATOR REQUIRED  
 Note: REGISTRATION FOR SYMPOSIUM IS REQUIRED  
 4853005 1 TR 8:00-8:50  
 W 12:10-3:00  
 MEETS: AUG 26-DEC 20

NUC ACID STRUC&FUNC BBMB 675 2 CREDITS  
 Prereq: BBMB 405 OR BBMB 502  
 2033005 1 TR 12:40-1:35  
 MEETS: AUG 26-DEC 20

ADVANCED SEMINAR BBMB 681 1 CREDIT  
 Prereq: PERMISSION OF INSTRUCTOR  
 2034005 1 T 3:10-5:00  
 MEETS: AUG 26-DEC 20

DEPARTMENT SEMINAR BBMB 682 R CREDIT  
 Prereq: PERMISSION OF INSTRUCTOR  
 2035005 1 R 4:10-6:00PM  
 MEETS: AUG 26-DEC 20

RESEARCH SEMINAR BBMB 696 1 CREDIT  
 Satisfactory-Fail Only.  
 8831005 1 W 4:10-5:30  
 MEETS: AUG 26-DEC 20

SEM N MOLEC,C,DV BIO BBMB 698 1- 2 CREDITS  
 Note: COURSE ONLY OFFERED FOR 1 CREDIT FALL 2019  
 2037005 1 M 3:10-5:00  
 MEETS: AUG 26-DEC 20  
 Note: SECTION 1 WILL NOT MEET EVERY WEEK. MEETING DATES TO BE ANNOUNCED.

RESEARCH BBMB 699 VAR. CREDITS  
 Prereq: PERMISSION OF INSTRUCTOR  
 \*\*\*\*\*  
 SEE DEPT FOR REFERENCE NUMBERS

**BIOINFORMATICS&COMPUTATIONAL BIOL-UG**

BIOINFRMTC&CB ORIEN BCBIO 110 .5 CREDIT  
 Satisfactory-Fail Only.  
 5587005 1 W 12:10-1:00  
 MEETS: AUG 26-OCT 18

INTR BIOINFRMTC&CMP BCBIO 322 3 CREDITS  
 Prereq: BIOL 212  
 9771005 1 MWF 10:00-10:50  
 MEETS: AUG 26-DEC 20

BIOINFORMATC ANALYS BCBIO 444 4 CREDITS  
 Prereq: MATH 165 AND INTRODUCTORY STATISTICS (STAT 101, STAT 104, STAT 105, STAT 201, OR STAT 330)  
 1864005 1 TR 11:00-12:20  
 W 2:10-4:00  
 MEETS: AUG 26-DEC 20

INDEPENDENT STUDY BCBIO 490 1- 5 CREDITS  
 Prereq: BCBIO 322, JUNIOR OR SENIOR CLASSIFICATN, PERMISSION OF INSTRUCTOR  
 Note: STUDENTS IN THE LAS COLLEGE MAY USE NO MORE THAN 9 CREDITS OF BCBIO 490 AND 491 TOWARD GRADUATION  
 \*\*\*\*\*  
 SEE DEPT FOR REFERENCE NUMBERS

TEAM RESRCH PROJCTS BCBIO 491 1- 5 CREDITS  
 Prereq: BCBIO 322, JUNIOR OR SENIOR CLASSIF, PERMISSION OF INSTRUCTOR  
 Note: STUDENTS IN THE LAS COLLEGE MAY USE NO MORE THAN 9 CREDITS OF BCBIO 490 AND 491 TOWARD GRADUATION  
 Instructor permission required.  
 4721005 1 ARRANGED  
 MEETS: AUG 26-DEC 20

**BIOINFORMATICS AND COMPUTATIONAL BIOL BIOLOGY**

BIOINFORMATC ANALYS BCB 444 4 CREDITS  
 Prereq: MATH 165 AND INTRODUCTORY STATISTICS  
 (STAT 101, STAT 104, STAT 105, STAT 201, OR STAT 330)  
 0030005 1 TR 11:00-12:20  
 W 2:10-4:00  
 MEETS: AUG 26-DEC 20

INDEPENDENT STUDY BCB 490 1- 5 CREDITS  
 Prereq: PERMISSION OF INSTRUCTOR  
 Note: Instructor permission required 1st week.  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

FUND BIOINFORMATICS BCB 544 4 CREDITS  
 Prereq: MATH 165 OR STAT 401 OR EQUIVALENT  
 8548005 1 MWF 10:00-10:50  
 R 1:10-3:00  
 MEETS: AUG 26-DEC 20  
 8548010 2 MWF 10:00-10:50  
 R 3:10-5:00  
 MEETS: AUG 26-DEC 20

BIOINFMTC ALGORTHMS BCB 567 3 CREDITS  
 Prereq: COM S 228, COM S 330; CREDIT OR  
 OR ENROLLMENT IN BIOL 315, STAT 430  
 2070005 1 TR 11:00-12:20  
 MEETS: AUG 26-DEC 20

STRUC GENOM INFRMTC BCB 569 3 CREDITS  
 Prereq: BCB 567, BBMB 316, GEN 409, STAT 430  
 2105005 1 TR 12:40-1:55  
 MEETS: AUG 26-DEC 20

FUND PRED PLT PHNMC BCB 585 4 CREDITS  
 Prereq: ACCEPTANCE INTO THE P3 PROGRAM OR  
 INSTRUCTOR PERMISSION  
 8298005 1 MWF 9:00-9:50  
 T 8:00-10:50  
 MEETS: AUG 26-DEC 20

WKSHP BIOINFORMATCS BCB 593 1 CREDIT  
 7397005 1 M 4:10-5:00  
 MEETS: AUG 26-DEC 20  
 Note: Tuition Category: Workshop

COOPERATIVE EDUCATN BCB 598 R CREDIT  
 Prereq: PERMISSION OF THE PROGRAM CHAIR  
 1828005 1 ARRANGED  
 MEETS: AUG 26-DEC 20

CREATIVE COMPONENT BCB 599 VAR. CREDITS  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

FACULT SEM BIOINFRM BCB 691 1 CREDIT  
 7825005 1 W 4:10-5:00  
 MEETS: AUG 26-DEC 20

GRAD RESEARCH ROTAT BCB 697 VAR. CREDITS  
 7827005 1 ARRANGED  
 MEETS: AUG 26-DEC 20

RESEARCH BCB 699 VAR. CREDITS  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

**BIOLOGICAL/PRE-MEDICAL ILLUSTRATION**

SCI ILLUST PRIN&TEC BPM I 323 3 CREDITS  
 Prereq: 6 CREDITS IN ART AND DESIGN AND  
 3 CREDITS IN BIOLOGICAL SCIENCES  
 Note: COURSE RESTRICTED TO ARTIS, BPBPMI MAJORS ONLY  
 6580005 1 TR 2:10-5:00  
 MEETS: AUG 26-DEC 20

ILLUSTR AS COMMUNIC BPM I 327 3 CREDITS  
 Prereq: ARTIS 326  
 1748005 1 MW 6:10-9:00PM  
 MEETS: AUG 26-DEC 20

INDEPENDENT STUDY BPM I 490 1- 3 CREDITS  
 Prereq: WRITTEN APPROVAL OF INSTR & ADVISORY COMM  
 CHAIR ON REQ'D FORM IN ADVANCE OF SEMESTER OF ENROLMT  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

SPCL TOPICS ILLUSTR BPM I 494 1- 3 CREDITS  
 Note: COURSE RESTRICTED TO BPM I, BPBPMI MAJORS  
 7277005 1 MW 6:10-8:40PM  
 MEETS: AUG 26-DEC 20

ILLUSTRATION INTERN BPM I 497 1- 6 CREDITS  
 Prereq: JR OR SR CLASSIFICATION IN BPM I. WRITTEN  
 APPROVAL OF SUPERVISING INSTR & ADVISORY COMM CHAIR  
 ON REQUIRED FORM IN ADVANCE OF SEMESTER OF ENROLLMENT  
 Satisfactory-Fail Only.  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

INTRODUCTORY BIOL BIOL 101 3 CREDITS  
 Note: CREDIT IN BIOL 101 MAY NOT BE APPLIED  
 TOWARD BIOLOGY MAJOR GRADUATION REQUIREMENTS  
 2064005 1 MWF 10:00-10:50  
 MEETS: AUG 26-DEC 20

INTRO TO BIOLOGY BIOL 110 1 CREDIT  
 Note: COURSE RESTRICTED TO BIOL, BIOLA MAJORS  
 ENTERING ISU SUMMER 2019 OR FALL 2019  
 Satisfactory-Fail Only.

2063005 1 M 4:10-5:00  
 W 12:10-1:00  
 MEETS: AUG 26-OCT 18  
 2063010 2 M 4:10-5:00  
 W 1:10-2:00  
 MEETS: AUG 26-OCT 18

2063015 3 M 4:10-5:00  
 W 2:10-3:00  
 MEETS: AUG 26-OCT 18  
 2063020 4 M 4:10-5:00  
 W 3:10-4:00  
 MEETS: AUG 26-OCT 18

2063025 5 M 4:10-5:00  
 W 4:10-5:00  
 MEETS: AUG 26-OCT 18  
 2063030 6 M 4:10-5:00  
 R 2:10-3:00  
 MEETS: AUG 26-OCT 18

2063035 7 M 4:10-5:00  
 R 3:10-4:00  
 MEETS: AUG 26-OCT 18  
 2063040 8 M 4:10-5:00  
 R 4:10-5:00  
 MEETS: AUG 26-OCT 18

2063045 9 M 4:10-5:00  
 W 5:10-6:00PM  
 MEETS: AUG 26-OCT 18

OPPORTUNITI IN BIOL BIOL 111 .5 CREDIT  
 Satisfactory-Fail Only.  
 7407005 1 T 4:10-5:00  
 MEETS: AUG 26-OCT 18

ORIENT TRANSFR STDT BIOL 112 R CREDIT  
 Satisfactory-Fail Only.  
 8242005 1 T 3:10-4:00, ARRANGED  
 MEETS: AUG 26-OCT 18

HUMAN BIOLOGY BIOL 155 3 CREDITS  
 Note: CREDIT IN BIOL 155 MAY NOT BE APPLIED  
 TOWARD BIOLOGY MAJOR GRADUATION REQUIREMENTS  
 7079005 1 TR 3:40-5:00  
 MEETS: AUG 26-DEC 20

INTRO ENVIRNMT ISSU BIOL 201 2 CREDITS  
 7950005 1A TR 8:00-9:20, ARRANGED  
 MEETS: OCT 21-DEC 20  
 Note: SECTION 1A RESTRICTED TO ENSCA, ENSCS MAJORS ONLY  
 7950010 1B TR 8:00-9:20, ARRANGED  
 MEETS: OCT 21-DEC 20  
 7950015 1C TR 8:00-9:20, ARRANGED  
 MEETS: OCT 21-DEC 20  
 Note: SECTION 1C RESTRICTED TO AG X, ENV S, OPEN MAJORS

PRIN OF BIOLOGY I BIOL 211 3 CREDITS  
 Prereq: HIGH SCHOOL BIOLOGY  
 9468005 1 MWF 9:00-9:50  
 MEETS: AUG 26-DEC 20 BIEDERMAN L  
 9468010 2 MWF 2:10-3:00  
 MEETS: AUG 26-DEC 20 STEWART T  
 9468015 3 MWF 3:10-4:00  
 MEETS: AUG 26-DEC 20 BOURY N  
 9468020 4 TR 12:40-2:00  
 MEETS: AUG 26-DEC 20 COLBERT J  
 Note: SEC 4 RESTRICTED TO BIOL, BIOLA MAJORS ONLY  
 9468025 5 TR 12:40-2:00  
 MEETS: AUG 26-DEC 20 COLBERT J

PRIN BIOLOGY LAB I BIOL 211L 1 CREDIT  
 Prereq: CREDIT OR ENROLLMENT IN BIOL 211  
 9470005 1 T 7:00-9:50  
 MEETS: AUG 26-DEC 20  
 9470010 2 T 10:00-12:50  
 MEETS: AUG 26-DEC 20  
 9470015 3 T 1:10-4:00  
 MEETS: AUG 26-DEC 20  
 9470020 4 T 4:10-7:00PM  
 MEETS: AUG 26-DEC 20  
 Note: SEC 4 RESTRICTED TO BIOL, BIOLA,  
 ENSCA, ENSCS MAJORS ONLY  
 9470025 5 W 7:00-9:50  
 MEETS: AUG 26-DEC 20  
 9470030 6 W 10:00-12:50  
 MEETS: AUG 26-DEC 20  
 Note: SEC 6 RESTRICTED TO BIOL, BIOLA,  
 ENSCA, ENSCS MAJORS ONLY  
 9470035 7 W 1:10-4:00  
 MEETS: AUG 26-DEC 20  
 Note: SEC 7 RESTRICTED TO BIOL, BIOLA,  
 ENSCA, ENSCS MAJORS ONLY  
 9470040 8 W 4:10-7:00PM  
 MEETS: AUG 26-DEC 20



## BIOLOGY

(CONTINUED)

PRIN BIOLOGY LAB I BIOL 211L 1 CREDIT  
 9470045 9 R 7:00-9:50  
 MEETS: AUG 26-DEC 20  
 9470050 10 R 10:00-12:50  
 MEETS: AUG 26-DEC 20  
 9470055 11 R 1:10-4:00  
 MEETS: AUG 26-DEC 20  
 9470060 12 R 4:10-7:00PM  
 MEETS: AUG 26-DEC 20  
 Note: SEC 12 RESTRICTED TO BIOLA, BIOL, ENSCIA, ENSCIS  
 MAJORS ONLY  
 9470065 13 T 7:00-9:50  
 MEETS: AUG 26-DEC 20  
 9470070 14 T 10:00-12:50  
 MEETS: AUG 26-DEC 20  
 9470075 15 T 1:10-4:00  
 MEETS: AUG 26-DEC 20  
 9470080 16 T 4:10-7:00PM  
 MEETS: AUG 26-DEC 20  
 9470085 17 W 7:00-9:50  
 MEETS: AUG 26-DEC 20  
 9470090 18 W 10:00-12:50  
 MEETS: AUG 26-DEC 20  
 Note: SEC 18 RESTRICTED TO BIOLA, BIOL, ENSCIA, ENSCIS  
 MAJORS ONLY  
 9470095 19 W 1:10-4:00  
 MEETS: AUG 26-DEC 20  
 Note: SEC 19 RESTRICTED TO BIOLA, BIOL, ENSCIA, ENSCIS  
 MAJORS ONLY  
 9470100 20 W 4:10-7:00PM  
 MEETS: AUG 26-DEC 20  
 9470105 21 R 7:00-9:50  
 MEETS: AUG 26-DEC 20  
 9470110 22 R 10:00-12:50  
 MEETS: AUG 26-DEC 20  
 9470115 23 W 1:10-4:00  
 MEETS: AUG 26-DEC 20  
 9470120 24 R 4:10-7:00PM  
 MEETS: AUG 26-DEC 20  
 Note: SEC 24 RESTRICTED TO BIOLA, BIOL, ENSCIA, ENSCIS  
 MAJORS ONLY  
 9470063 25 T 7:00-9:50  
 MEETS: AUG 26-DEC 20  
 9470130 26 T 10:00-12:50  
 MEETS: AUG 26-DEC 20  
 9470016 27 T 1:10-4:00  
 MEETS: AUG 26-DEC 20  
 9470041 28 T 4:10-7:00PM  
 MEETS: AUG 26-DEC 20  
 9470031 29 W 7:10-9:50  
 MEETS: AUG 26-DEC 20  
 9470135 30 W 10:00-12:50  
 MEETS: AUG 26-DEC 20  
 Note: SEC 30 RESTRICTED TO BIOLA, BIOL, ENSCIA, ENSCIS  
 MAJORS ONLY  
 9470140 31 W 1:10-4:00  
 MEETS: AUG 26-DEC 20  
 9470145 32 W 4:10-7:00PM  
 MEETS: AUG 26-DEC 20  
 9470150 33 R 7:00-9:50  
 MEETS: AUG 26-DEC 20  
 9470155 34 R 10:00-12:50  
 MEETS: AUG 26-DEC 20  
 9470160 35 R 1:10-4:00  
 MEETS: AUG 26-DEC 20  
 9470165 36 R 4:10-7:00PM  
 MEETS: AUG 26-DEC 20  
 9470170 37 T 7:00-9:50  
 MEETS: AUG 26-DEC 20  
 9470175 38 T 10:00-12:50  
 MEETS: AUG 26-DEC 20  
 9470180 39 T 1:10-4:00  
 MEETS: AUG 26-DEC 20  
 9470185 40 T 4:10-7:00PM  
 MEETS: AUG 26-DEC 20  
 9470190 41 W 7:00-9:50  
 MEETS: AUG 26-DEC 20  
 9470195 42 W 10:00-12:50  
 MEETS: AUG 26-DEC 20  
 9470200 43 W 1:10-4:00  
 MEETS: AUG 26-DEC 20  
 9470205 44 W 4:10-7:00PM  
 MEETS: AUG 26-DEC 20  
 9470210 45 R 7:00-9:50  
 MEETS: AUG 26-DEC 20  
 9470215 46 R 10:00-12:50  
 MEETS: AUG 26-DEC 20  
 9470220 47 R 1:10-4:00  
 MEETS: AUG 26-DEC 20  
 9470225 48 R 2:10-5:00  
 MEETS: AUG 26-DEC 20

PRIN OF BIOLOGY II BIOL 212 3 CREDITS  
 Prereq: HIGH SCHOOL BIOLOGY; H.S. CHEMISTRY OR  
 CREDIT OR ENROLLMENT IN CHEM 163 OR CHEM 177  
 9469005 1 MWF 1:10-2:00  
 MEETS: AUG 26-DEC 20  
 9469010 2 TR 9:30-10:45  
 MEETS: AUG 26-DEC 20

## BIOLOGY

(CONTINUED)

PRIN BIOLOGY LAB II BIOL 212L 1 CREDIT  
 Prereq: CREDIT OR ENROLLMENT IN BIOL 212  
 9471005 1 T 9:00-11:50  
 MEETS: AUG 26-DEC 20  
 9471010 2 T 12:10-3:00  
 MEETS: AUG 26-DEC 20  
 9471015 3 T 3:10-6:00PM  
 MEETS: AUG 26-DEC 20  
 9471020 4 W 9:00-11:50  
 MEETS: AUG 26-DEC 20  
 9471025 5 W 12:10-3:00  
 MEETS: AUG 26-DEC 20  
 Note: SEC 5 RESTRICTED TO BCBIO, GEN, GEN S MJORS  
 ONLY  
 9471030 6 W 3:10-6:00PM  
 MEETS: AUG 26-DEC 20  
 Note: SEC 6 RESTRICTED TO BCBIO, GEN, GEN S MJORS  
 ONLY  
 9471035 7 R 9:00-11:50  
 MEETS: AUG 26-DEC 20  
 9471040 8 R 12:10-3:00  
 MEETS: AUG 26-DEC 20  
 9471045 9 R 3:10-6:00PM  
 MEETS: AUG 26-DEC 20  
 9471050 10 T 9:00-11:50  
 MEETS: AUG 26-DEC 20  
 9471055 11 T 12:10-3:00  
 MEETS: AUG 26-DEC 20  
 9471060 12 T 3:10-6:00PM  
 MEETS: AUG 26-DEC 20  
 9471065 13 W 9:00-11:50  
 MEETS: AUG 26-DEC 20  
 9471070 14 W 12:10-3:00  
 MEETS: AUG 26-DEC 20  
 9471075 15 W 3:10-6:00PM  
 MEETS: AUG 26-DEC 20  
 9471080 16 R 9:00-11:50  
 MEETS: AUG 26-DEC 20  
 9471085 17 R 12:10-3:00  
 MEETS: AUG 26-DEC 20  
 9471090 18 R 3:10-6:00PM  
 MEETS: AUG 26-DEC 20

FUND HUMAN ANATOMY BIOL 255 3 CREDITS  
 Prereq: HS BIOLOGY AND CHEMISTRY, OR BIOL 101.  
 Note: CREDIT IN BIOL 255 MAY NOT BE APPLIED  
 TOWARD BIOLOGY MAJOR GRADUATION REQUIREMENTS  
 7205005 1 MWF 8:00-8:50  
 MEETS: AUG 26-DEC 20  
 7205010 2 TR 8:00-9:20  
 MEETS: AUG 26-DEC 20

FUND HUMAN ANAT LAB BIOL 255L 1 CREDIT  
 Prereq: CREDIT OR ENROLLMENT IN BIOL 255  
 Note: CREDIT IN BIOL 255L MAY NOT BE APPLIED  
 TOWARD BIOLOGY MAJOR GRADUATION REQUIREMENTS  
 6342005 1 T 9:00-11:50  
 MEETS: AUG 26-DEC 20  
 6342010 2 T 9:00-11:50  
 MEETS: AUG 26-DEC 20  
 6342015 3 T 9:00-11:50  
 MEETS: AUG 26-DEC 20  
 6342020 4 T 12:10-3:00  
 MEETS: AUG 26-DEC 20  
 6342025 5 T 12:10-3:00  
 MEETS: AUG 26-DEC 20  
 6342030 6 T 12:10-3:00  
 MEETS: AUG 26-DEC 20  
 6342035 7 T 3:10-6:00PM  
 MEETS: AUG 26-DEC 20  
 6342040 8 T 3:10-6:00PM  
 MEETS: AUG 26-DEC 20  
 6342045 9 T 3:10-6:00PM  
 MEETS: AUG 26-DEC 20  
 6342050 10 W 9:00-11:50  
 MEETS: AUG 26-DEC 20  
 6342055 11 W 9:00-11:50  
 MEETS: AUG 26-DEC 20  
 6342060 12 W 9:00-11:50  
 MEETS: AUG 26-DEC 20  
 6342065 13 W 12:10-3:00  
 MEETS: AUG 26-DEC 20  
 6342070 14 W 12:10-3:00  
 MEETS: AUG 26-DEC 20  
 6342075 15 W 12:10-3:00  
 MEETS: AUG 26-DEC 20  
 6342080 16 W 3:10-6:00PM  
 MEETS: AUG 26-DEC 20  
 6342085 17 W 3:10-6:00PM  
 MEETS: AUG 26-DEC 20  
 6342090 18 W 3:10-6:00PM  
 MEETS: AUG 26-DEC 20  
 6342095 19 R 9:00-11:50  
 MEETS: AUG 26-DEC 20  
 6342100 20 R 9:00-11:50  
 MEETS: AUG 26-DEC 20  
 6342105 21 R 9:00-11:50  
 MEETS: AUG 26-DEC 20  
 6342110 22 R 12:10-3:00  
 MEETS: AUG 26-DEC 20  
 6342115 23 R 12:10-3:00  
 MEETS: AUG 26-DEC 20  
 6342120 24 R 12:10-3:00  
 MEETS: AUG 26-DEC 20  
 6342125 25 R 3:10-6:00PM  
 MEETS: AUG 26-DEC 20

## BIOLOGY

(CONTINUED)

FUND HUMAN ANAT LAB BIOL 255L 1 CREDIT  
6342130 26 R 3:10-6:00PM  
MEETS: AUG 26-DEC 20  
6342135 27 R 3:10-6:00PM  
MEETS: AUG 26-DEC 20

WOMEN IN SCI & ENGR BIOL 307 3 CREDITS  
Prereq: A 200-LEVEL COURSE IN SCIENCE OR ENGR OR  
WOMEN'S STUDIES; ENGL 250  
Note: CREDIT IN BIOL 307 MAY NOT BE APPLIED  
TOWARD BIOLOGY MAJOR ADVANCED CREDIT GRADUATION  
REQUIREMENTS  
Meets U.S. diversity reqmt  
1099005 1 TR 9:30-10:50  
MEETS: AUG 26-DEC 20

ECOLOGY BIOL 312 4 CREDITS  
Prereq: BIOL 211, BIOL 211L, BIOL 212, BIOL 212L  
Note: 2-PART COURSE. REGISTER FOR A LECTURE SEC  
(LETTERED SEC A,B) FIRST AND THEN A LAB SEC  
(NUMBERED SEC 1-20). STUDENTS WHO DON'T REGISTER  
FOR BOTH LECTURE AND LAB SHOULD DROP THE  
COURSE DUE TO INCOMPLETE REGISTRATION.  
2069001 A TR 8:00-9:15  
MEETS: AUG 26-DEC 20  
2069004 B TR 8:00-9:15  
MEETS: AUG 26-DEC 20  
Note: SEC B IS TEAM BASED LEARNING  
2069005 1 M 8:00-10:50  
MEETS: AUG 26-DEC 20  
2069010 2 M 9:00-11:50  
MEETS: AUG 26-DEC 20  
2069015 3 M 11:00-2:00  
MEETS: AUG 26-DEC 20  
2069020 4 M 12:10-3:00  
MEETS: AUG 26-DEC 20  
2069025 5 M 2:10-5:00  
MEETS: AUG 26-DEC 20  
2069030 6 M 3:10-6:00PM  
MEETS: AUG 26-DEC 20  
2069040 7 T 10:00-1:00  
MEETS: AUG 26-DEC 20  
2069045 8 T 12:10-3:00  
MEETS: AUG 26-DEC 20  
2069050 9 T 4:10-4:00  
MEETS: AUG 26-DEC 20  
2069055 10 T 3:10-6:00PM  
MEETS: AUG 26-DEC 20  
2069060 11 W 8:00-11:50  
MEETS: AUG 26-DEC 20  
2069065 12 W 9:00-12:50  
MEETS: AUG 26-DEC 20  
2069070 13 W 11:00-2:00  
MEETS: AUG 26-DEC 20  
2069075 14 W 12:10-3:00  
MEETS: AUG 26-DEC 20  
2069080 15 W 2:10-5:00  
MEETS: AUG 26-DEC 20  
2069085 16 W 3:10-6:00PM  
MEETS: AUG 26-DEC 20  
2069090 17 R 10:00-12:50  
MEETS: AUG 26-DEC 20  
2069095 18 R 12:10-3:00  
MEETS: AUG 26-DEC 20  
2069100 19 R 4:10-4:00  
MEETS: AUG 26-DEC 20  
2069105 20 R 3:10-6:00PM  
MEETS: AUG 26-DEC 20

PRINCIP OF GENETICS BIOL 313 3 CREDITS  
Prereq: BIOL 211, BIOL 211L, BIOL 212, BIOL 212L  
Note: CREDIT FOR ONLY ONE OF THE FOLLOWING MAY BE  
APPLIED TOWARD GRADUATION: GEN 260, GEN/BIOL 313  
AND 313L, GEN/AGRON 320  
9472005 1 MWF 12:10-1:00  
MEETS: AUG 26-DEC 20  
9472010 2 MWF 11:00-11:50  
MEETS: AUG 26-DEC 20  
9472015 3 MWF 12:10-1:00  
MEETS: AUG 26-DEC 20

GENETICS LABORATORY BIOL 313L 1 CREDIT  
Prereq: CREDIT OR ENROLLMENT IN BIOL 313  
Note: CREDIT FOR ONLY ONE OF THE FOLLOWING MAY BE  
APPLIED TOWARD GRADUATION: GEN 260, GEN/BIOL 313  
AND 313L, GEN/AGRON 320  
9473005 1 MW 9:00-10:20  
MEETS: AUG 26-DEC 20  
9473010 2 MW 10:30-11:50  
MEETS: AUG 26-DEC 20  
9473015 3 MW 10:30-11:50  
MEETS: AUG 26-DEC 20  
9473020 4 MW 1:10-2:30  
MEETS: AUG 26-DEC 20  
9473025 5 MW 1:10-2:30  
MEETS: AUG 26-DEC 20  
9473030 6 MW 3:10-4:30  
MEETS: AUG 26-DEC 20  
9473035 7 TR 9:00-10:20  
MEETS: AUG 26-DEC 20  
9473040 8 TR 11:00-12:20  
MEETS: AUG 26-DEC 20  
9473045 9 TR 1:10-2:30  
MEETS: AUG 26-DEC 20  
9473050 10 TR 3:10-4:30  
MEETS: AUG 26-DEC 20

## BIOLOGY

(CONTINUED)

GENETICS LABORATORY BIOL 313L 1 CREDIT  
9473055 11 TR 11:00-12:20  
MEETS: AUG 26-DEC 20  
9473060 12 TR 1:10-2:30  
MEETS: AUG 26-DEC 20

PRIN MOLEC CELL BIO BIOL 314 3 CREDITS  
Prereq: BIOL 211, BIOL 211L, BIOL 212, BIOL 212L.  
9474005 1 TR 12:40-1:55  
MEETS: AUG 26-DEC 20

BIOLOGICAL EVOLUTN BIOL 315 3 CREDITS  
Prereq: BIOL 211, BIOL 211L, BIOL 212, BIOL 212L.  
5604005 1 TR 8:00-9:20  
MEETS: AUG 26-DEC 20

INTR BIOINFRMTC&CMP BIOL 322 3 CREDITS  
Prereq: BIOL 212  
9772005 1 MWF 10:00-10:50  
MEETS: AUG 26-DEC 20

M&CEL BIOL HUMN DIS BIOL 328 3 CREDITS  
Prereq: BIOL 212  
8936005 1 TR 9:30-10:50  
MEETS: AUG 26-DEC 20

COMPHSV HUMN ANATMY BIOL 350 3 CREDITS  
Prereq: BIOL 211, BIOL 212  
5302005 1 TR 11:00-12:30  
MEETS: AUG 26-DEC 20

ANIMAL BEHAVIOR BIOL 354 3 CREDITS  
Prereq: BIOL 212  
7087005 1 MWF 10:00-10:50  
MEETS: AUG 26-DEC 20

LAB IN ANIML BEHAVR BIOL 354L 1 CREDIT  
Prereq: CREDIT OR ENROLLMENT IN BIOL 354  
5676005 1 T 1:10-4:00  
MEETS: AUG 26-DEC 20  
5676010 2 R 9:00-11:50  
MEETS: AUG 26-DEC 20

DENDROLOGY BIOL 356 3 CREDITS  
Prereq: BIOL 211  
Note: Instructor permission required 1st week.  
2079010 1 TR 9:30-10:20  
TR 10:30-11:20  
MEETS: AUG 26-DEC 20  
2079015 2 TR 12:40-1:30  
TR 1:40-2:30  
MEETS: AUG 26-DEC 20  
2079020 3 TR 3:40-4:30  
TR 4:40-5:30  
MEETS: AUG 26-DEC 20

BIOLOGY OF PLANTS BIOL 357 3 CREDITS  
Prereq: BIOL 211 AND BIOL 212. BIOL 211L AND  
BIOL 212L RECOMMENDED.  
8731005 1 MWF 1:10-2:00  
MEETS: AUG 26-DEC 20

BIOLOGY OF INVERTEB BIOL 364 3- 4 CREDITS  
Prereq: BIOL 211, BIOL 212.  
Note: COURSE ONLY OFFERED FOR 3 CREDITS FALL 2019  
7097005 1 MWF 9:00-9:50  
MEETS: AUG 26-DEC 20

VERTEBRATE BIOLOGY BIOL 365 4 CREDITS  
Prereq: BIOL 211, BIOL 211L, BIOL 212, BIOL 212L.  
1537005 1 MWF 9:00-9:50  
T 6:00-8:00PM  
MEETS: AUG 26-DEC 20  
1537010 2 MWF 9:00-9:50  
T 10:00-11:50  
MEETS: AUG 26-DEC 20  
1537015 3 MWF 9:00-9:50  
T 12:10-2:00  
MEETS: AUG 26-DEC 20  
1537020 4 MWF 9:00-9:50  
T 3:10-5:00  
MEETS: AUG 26-DEC 20  
1537025 5 MWF 9:00-9:50  
W 10:00-11:50  
MEETS: AUG 26-DEC 20  
1537030 6 MWF 9:00-9:50  
W 1:10-3:00  
MEETS: AUG 26-DEC 20  
1537035 7 MWF 9:00-9:50  
W 3:10-5:00  
MEETS: AUG 26-DEC 20  
1537040 8 MWF 9:00-9:50  
R 10:00-11:50  
MEETS: AUG 26-DEC 20  
1537045 9 MWF 9:00-9:50  
R 12:10-2:00  
MEETS: AUG 26-DEC 20

## BIOLOGY

(CONTINUED)

ECO&ENVIRON SCI GIS BIOL 370 1- 6 CREDITS  
Prereq: 6 CREDITS IN BIOLOGICAL AND/OR PHYSICAL SCIENCES; PERMISSION OF INSTRUCTOR  
Satisfactory-Fail Only.

9445005 1 ARRANGED  
MEETS: AUG 26-DEC 20  
Note: Instructor permission required.

9445010 2 ARRANGED  
MEETS: AUG 26-DEC 20  
Note: SECTION 2 OFFERED FOR 3 CREDITS

ECOLOGICAL METHODS BIOL 371 3 CREDITS  
Prereq: A ECL 312; STAT 101 OR STAT 104

1541005 1 MW 12:10-1:00  
T 9:30-12:20  
MEETS: AUG 26-DEC 20

1541010 2 MW 12:10-1:00  
R 11:00-2:00  
MEETS: AUG 26-DEC 20

INTRO ENVIRNMTL SYS BIOL 381 3- 4 CREDITS  
Prereq: 12 CREDITS OF NATURAL SCIENCE INCLUDING BIOLOGY AND CHEMISTRY  
Note: COURSE ONLY OFFERED FOR 3 CREDITS FALL 2019. SEC 1A, 2A, ETC. RESTRICTED TO ENSCA, ENSCS MAJORS ONLY. SEC 1B, 2B, ETC. RESTRICTED TO MAJORS OTHER THAN ENSCA, ENSCS.

1093005 1A ARRANGED  
TR 11:00-1:00  
MEETS: AUG 26-DEC 20

1093010 1B ARRANGED  
TR 11:00-1:00  
MEETS: AUG 26-DEC 20

1093015 2A ARRANGED, TR 1:10-3:00  
MEETS: AUG 26-DEC 20

1093020 2B ARRANGED, TR 1:10-3:00  
MEETS: AUG 26-DEC 20

1093025 3A ARRANGED, TR 3:10-5:00  
MEETS: AUG 26-DEC 20

1093030 3B ARRANGED, TR 3:10-5:00  
MEETS: AUG 26-DEC 20

NEUROBIOLOGY BIOL 436 3 CREDITS  
Prereq: BIOL 212

7107005 1 TR 11:00-12:30  
MEETS: AUG 26-DEC 20

BIOINFORMATC ANALYS BIOL 444 4 CREDITS  
Prereq: MATH 165 AND INTRODUCTORY STATISTICS (STAT 101, STAT 104, STAT 105, STAT 201, OR STAT 330)

8544005 1 TR 11:00-12:20  
W 2:10-4:00  
MEETS: AUG 26-DEC 20

PLANT EVOL&PHYLOGNY BIOL 451 4 CREDITS  
Prereq: BIOL 315 OR EQUIVALENT

4911005 1 MWF 10:00-10:50  
T 9:00-11:50  
MEETS: AUG 26-DEC 20

PLANT ANATOMY BIOL 454 4 CREDITS  
Prereq: BIOL 212L; BIOL 366 RECOMMENDED

2094005 1 MWF 11:00-11:50 CLARK L  
W 3:10-6:00PM CLARK L  
MEETS: AUG 26-DEC 20

PRINCIP OF MYCOLOGY BIOL 456 3 CREDITS  
Prereq: 10 CREDITS IN BIOLOGICAL SCIENCES

2096005 1 MW 11:00-11:50  
W 3:10-6:00PM  
MEETS: AUG 26-DEC 20

2096010 2 MW 11:00-11:50  
F 12:10-3:00  
MEETS: AUG 26-DEC 20

HERPETOLOGY BIOL 457 2 CREDITS  
Prereq: BIOL 351 OR BIOL 365

2128005 1 MW 11:00-11:50  
MEETS: AUG 26-DEC 20

HERPETOLOGY LAB BIOL 457L 1 CREDIT  
Prereq: BIOL 351 OR BIOL 365 OR A ECL 365;  
CONCURRENT ENROLLMENT IN BIOL 457 OR A ECL 457

7335005 1 T 2:10-5:00  
MEETS: AUG 26-DEC 20

7335010 2 T 11:00-1:50  
MEETS: AUG 26-DEC 20

EVOLUTNARY GENETICS BIOL 462 3 CREDITS  
Prereq: BIOL 315  
Note: PERMISSION OF INSTRUCTOR REQUIRED TO ADD. PROCESS APPROVED ADD SLIP IN 10 ENRL SC.

7110005 1 TR 9:30-10:50  
MEETS: AUG 26-DEC 20

## BIOLOGY

(CONTINUED)

AQUATIC ECOLOGY BIOL 486 3 CREDITS  
Prereq: BIOL 312 OR ENSCI 381 OR ENSCI 402  
OR NREM 301

1737005 1 TR 9:30-10:50  
MEETS: AUG 26-DEC 20

AQUATIC ECOLOGY LAB BIOL 486L 1 CREDIT  
Prereq: CONCURRENT ENROLLMENT IN BIOL 486

1741005 1 T 12:10-3:00  
MEETS: AUG 26-DEC 20

1741010 2 T 3:10-6:00PM  
MEETS: AUG 26-DEC 20

MICROBIAL ECOLOGY BIOL 487 3 CREDITS  
Prereq: 6 CREDITS IN BIOL AND 6 CREDITS IN CHEM

3511005 1 MWF 9:00-9:50  
MEETS: AUG 26-DEC 20

INDEPENDENT STUDY BIOL 490 1- 6 CREDITS  
Note: NO MORE THAN 9 CREDITS IN BIOL 490 MAY BE APPLIED TOWARD GRADUATION AND OF THOSE ONLY 2 CREDITS MAY BE APPLIED TO THE BIOLOGY ADVANCED COURSE REQUIREMENT  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

IND STU BIOL RESRCH BIOL 490H 1- 6 CREDITS  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

UG TEACHNG EXPERNCE BIOL 491 1- 2 CREDITS  
Prereq: PERMISSION OF SUPERVISING STAFF  
Note: NO MORE THAN 2 CREDITS IN BIOL 491 MAY BE APPLIED TOWARD BIOLOGY ADVANCED COURSE DEGREE REQUIREMENTS  
Satisfactory-Fail Only.  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

GRAD SCHL PREP BIOL BIOL 492 1 CREDIT  
Prereq: CLASSIFICATION IN A LIFE SCIENCES MAJOR;  
SOPHOMORE OR ABOVE

2382005 1 M 1:10-2:00  
MEETS: AUG 26-DEC 20

BIOLOGY INTERNSHIP BIOL 494 1- 3 CREDITS  
Prereq: 8 CREDITS IN BIOLOGY, INSTRUCTOR PERMISSN  
Note: NO MORE THAN 9 CREDITS IN BIOL 494 MAY BE APPLIED TOWARD GRADUATION AND OF THOSE ONLY 6 CREDITS MAY BE APPLIED TOWARD THE BIOL ADVANCED COURSE REQUIREMENT  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

UNDERGRAD SEMINAR BIOL 495 1- 3 CREDITS  
Prereq: PERMISSION OF INSTRUCTOR  
Note: FOR JUNIORS AND SENIORS MAJORING IN BIOLOGY ONLY  
Satisfactory-Fail Only.  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

COOPERATIVE EDUC BIOL 498 R CREDIT  
Prereq: PERMISSION OF THE BIOLOGY PROGRAM  
COOPERATIVE EDUCATION COORDINATOR

4546005 1 ARRANGED  
MEETS: AUG 26-DEC 20  
Note: Department permission required.

UG RESEARCH EXPRNCE BIOL 499 1- 6 CREDITS  
Prereq: PERMISSION OF INSTRUCTOR  
Note: NO MORE THAN 9 CREDITS IN BIOL 499 MAY BE APPLIED TOWARD GRADUATION AND OF THOSE ONLY 6 CREDITS MAY BE APPLIED TOWARD THE BIOLOGY ADVANCED COURSE REQUIREMENT  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

## BIOMEDICAL ENGINEERING

BIOMED APP CHEM ENG B M E 440 3 CREDITS  
Prereq: CH E 210, MATH 266 OR MATH 267, PHYS 222

3105005 1 MWF 12:10-1:00  
MEETS: AUG 26-DEC 20

BIOMATERIALS B M E 456 3 CREDITS  
Prereq: CHEM 178; MAT E 216 OR MAT E 272  
OR MAT E 392

3192005 1 MWF 9:00-9:50 BRATLIE K  
MEETS: AUG 26-DEC 20

INDEPENDENT STUDY B M E 490 1- 6 CREDITS  
Prereq: PERMISSION OF CHAIR FOR BIOENGINEERING  
MINOR  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

## BIOMEDICAL SCIENCES

PRIN OF MORPHOLGY I B M S 330 6 CREDITS  
Prereq: FIRST-YEAR CLASSIFICATION IN V MED  
Note: COURSE RESTRICTED TO FIRST-YEAR VET MED STUDENTS

7450005 1 MTR 2:10-3:00  
MTR 3:10-5:00  
MEETS: AUG 26-DEC 20

## BIOMEDICAL SCIENCES (CONTINUED)

BIOMEDICAL SCIENC I B M S 333 6 CREDITS  
Prereq: FIRST-YEAR CLASSIFICATION IN VET MED  
Note: COURSE RESTRICTED TO VET MED STUDENTS ONLY  
1927005 1 MTR 8:00-8:50  
W 9:00-9:50  
F 10:00-10:50  
T 9:00-11:50  
MEETS: AUG 26-DEC 20  
1927010 2 MTR 8:00-8:50  
W 9:00-9:50  
F 10:00-10:50  
R 9:00-11:50  
MEETS: AUG 26-DEC 20

MOL&CEL BASIS DISEA B M S 335 1 CREDIT  
Note: COURSE RESTRICTED TO VET MED STUDENTS ONLY  
9176005 1 MR 1:10-2:00  
MEETS: AUG 26-OCT 18

VETERINRY NUTRITION B M S 336 2 CREDITS  
Note: COURSE RESTRICTED TO VET MED STUDENTS ONLY  
9177005 1 M 11:00-11:50  
W 1:10-2:00  
MEETS: AUG 26-DEC 20

CLINICL FOUNDATNS I B M S 339 1 CREDIT  
Prereq: FIRST-YEAR CLASSIFICATION IN VET MED  
Note: COURSE RESTRICTED TO VET MED STUDENTS ONLY  
8112005 1 F 11:00-11:50  
T 10:00-11:50  
MEETS: AUG 26-DEC 20  
8112010 2 F 11:00-11:50  
R 10:00-11:50  
MEETS: AUG 26-DEC 20

CASE STUDY I B M S 345 1 CREDIT  
Prereq: FIRST-YEAR CLASSIFICATION IN VET MED  
Note: COURSE RESTRICTED TO VET MED STUDENTS ONLY  
6018005 1 W 10:00-11:50  
MEETS: AUG 26-DEC 20

BEHAVIOR DOME ANIM B M S 403 1 CREDIT  
Prereq: CLASSIFICATION IN V MED  
6840005 1 WF 12:10-1:00  
MEETS: AUG 26-DEC 20

PHARMACOL&THERAPEUT B M S 443 3 CREDITS  
Prereq: 354  
Note: COURSE RESTRICTED TO VET MED STUDENTS ONLY  
3521005 1 MTF 11:00-11:50  
MEETS: AUG 26-DEC 20

PRINCPLS OF ANATOMY B M S 447 4 CREDITS  
Prereq: PERMISSION OF INSTRUCTOR FOR UNDERGRADUATE STUDENTS  
7615005 1 MF 8:00-8:50  
MWF 9:00-10:50  
MEETS: AUG 26-DEC 20

INDEPENDENT STUDY B M S 490 1- 5 CREDITS  
Prereq: PERMISSION OF INSTRUCTOR  
Note: COURSE RESTRICTED TO VET MED STUDENTS ONLY  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

INDEP STUDY HONORS B M S 490H 1- 5 CREDITS  
Prereq: INSTR PERMISSION, HONORS PROG MEMBERSHIP  
Note: COURSE RESTRICTED TO STUDENTS IN THE UNIVERSITY HONORS PROGRAM ONLY  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

RES MTHD BIOMED SCI B M S 501 3 CREDITS  
Prereq: GRADUATE CLASSIFICATION, PERMISSION OF A B M S FACULTY MEMBER  
6978005 1 ARRANGED  
MEETS: AUG 26-DEC 20

PRIN MORPHOLOGY I B M S 530 6 CREDITS  
Prereq: 10 CR IN BIOL SCIENCE & INSTR PERMISSION  
Note: COURSE RESTRICTED TO COLLEGE OF VET MED GRAD STUDENTS  
6462005 1 MTR 2:10-3:00  
MTR 3:10-5:00  
MEETS: AUG 26-DEC 20

BIOMEDICAL SCIENC I B M S 533 6 CREDITS  
Prereq: FIRST-YEAR CLASSIFICATION IN V MED OR GRADUATE STUDENT STATUS  
9324005 1 MTR 8:00-8:50  
W 9:00-9:50  
F 10:00-10:50  
T 9:00-11:50  
MEETS: AUG 26-DEC 20  
9324010 2 MTR 8:00-8:50  
W 9:00-9:50  
F 10:00-10:50  
R 9:00-11:50  
MEETS: AUG 26-DEC 20

## BIOMEDICAL SCIENCES (CONTINUED)

PRINCPLS PHYSIOLOGY B M S 538 4 CREDITS  
7621005 1 MTR 2:10-3:00  
MEETS: AUG 26-DEC 20

INTR PROTEOMCS TCNQ B M S 542E 1 CREDIT  
Satisfactory-Fail Only.  
7220005 1 TR 1:10-2:00  
TR 2:10-4:00  
MEETS: AUG 26-DEC 20

PHARMACOL&THERAPEUT B M S 543 3 CREDITS  
Prereq: 554  
3523005 1 MTF 11:00-11:50  
MEETS: AUG 26-DEC 20

PRINCPLS OF ANATOMY B M S 547 4 CREDITS  
Prereq: GRADUATE STANDING AND PREVIOUS BIOLOGY COURSEWORK OR INSTRUCTOR PERMISSION  
Note: STUDENTS MUST ALLOW ADDITIONAL TIME AFTER THE END OF CLASS - UNTIL 11:30 - FOR LAB CLEAN-UP  
7620005 1 MF 8:00-8:50  
MWF 9:00-10:50  
MEETS: AUG 26-DEC 20

CELL,M&DEV NEUROSCI B M S 556 3 CREDITS  
Prereq: BIOL 335 OR 436. PHYSICS RECOMMENDED.  
1992005 1 TR 2:10-3:30  
MEETS: AUG 26-DEC 20

CELL BIOLOGY B M S 575 3 CREDITS  
Prereq: 10 CREDITS IN BIOLOGICAL SCIENCE AND PERMISSION OF INSTRUCTOR  
8534005 1 MWF 1:10-2:00  
MEETS: AUG 26-DEC 20

SPCL TOPICS ANATOMY B M S 590A 1- 7 CREDITS  
Prereq: PERMISSION OF INSTRUCTOR  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

SPL TOPC PHYSIOLOGY B M S 590B 1- 7 CREDITS  
Prereq: PERMISSION OF INSTRUCTOR  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

SPL TOPIC PHARMACOL B M S 590C 1- 7 CREDITS  
Prereq: PERMISSION OF INSTRUCTOR  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

SPL TOPCS CELL BIOL B M S 590D 1- 7 CREDITS  
Prereq: PERMISSION OF INSTRUCTOR  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

CREATIVE COMPONENT B M S 599 1- 3 CREDITS  
Prereq: ENROLLMENT IN B M S GRADUATE PROGRAM, PERMISSION OF INSTRUCTOR  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

RESEARCH REVIEW B M S 688 1 CREDIT  
Prereq: ENROLLMENT IN B M S GRADUATE PROGRAM  
8961005 1 ARRANGED  
MEETS: AUG 26-DEC 20

ADV TOPICS ANATOMY B M S 690A 1- 5 CREDITS  
Prereq: PERMISSION OF INSTRUCTOR  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

ADV TOPC PHYSIOLOGY B M S 690B 1- 5 CREDITS  
Prereq: PERMISSION OF INSTRUCTOR  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

ADV TOPIC PHARMACOL B M S 690C 1- 5 CREDITS  
Prereq: PERMISSION OF INSTRUCTOR  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

ADV TOPCS CELL BIOL B M S 690D 1- 5 CREDITS  
Prereq: PERMISSION OF INSTRUCTOR  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

SEMINAR B M S 698A R CREDIT  
Prereq: ENROLLMENT IN B M S GRADUATE PROGRAM  
5776005 1 R 12:10-1:00  
MEETS: AUG 26-DEC 20

SEMINAR B M S 698B 1 CREDIT  
Prereq: ENROLLMENT IN B M S GRADUATE PROGRAM Satisfactory-Fail Only.  
6995005 1 R 12:10-1:00  
MEETS: AUG 26-DEC 20

SEMINAR B M S 698C 1 CREDIT  
Prereq: ENROLLMENT IN B M S GRADUATE PROGRAM  
9735005 1 R 12:10-1:00  
MEETS: AUG 26-DEC 20

RESEARCH ANATOMY B M S 699A VAR. CREDITS  
Prereq: ENROLLMENT IN B M S GRADUATE PROGRAM  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

BIOMEDICAL SCIENCES

(CONTINUED)

RESEARCH PHYSIOLOGY B M S 699B VAR. CREDITS  
 Prereq: ENROLLMENT IN B M S GRADUATE PROGRAM  
 \*\*\*\*\*  
 SEE DEPT FOR REFERENCE NUMBERS

RESRCH PHARMACOLOGY B M S 699C VAR. CREDITS  
 Prereq: ENROLLMENT IN B M S GRADUATE PROGRAM  
 \*\*\*\*\*  
 SEE DEPT FOR REFERENCE NUMBERS

RESEARCH CELL BIOL B M S 699D VAR. CREDITS  
 Prereq: ENROLLMENT IN B M S GRADUATE PROGRAM  
 \*\*\*\*\*  
 SEE DEPT FOR REFERENCE NUMBERS

**BIORENEWABLE RESOURCES & TECHNOLOGY**

BIOBASE SEM PRESNTN BRT 506C 1 CREDIT  
 Satisfactory-Fail Only.  
 2383005 1 ARRANGED  
 MEETS: AUG 26-DEC 20

SPECIAL TOPICS BRT 590 1- 3 CREDITS  
 Prereq: PERMISSION OF INSTRUCTOR OR MAJOR PROF  
 \*\*\*\*\*  
 SEE DEPT FOR REFERENCE NUMBERS

BIORNWBL RSOURC LAB BRT 592L 1 CREDIT  
 Prereq: GRADUATE CLASSIFICATION. UNDERGRADUATES  
 WITH INSTRUCTOR APPROVAL.  
 Note: THERE IS A \$75 MATERIALS FEE FOR THIS COURSE.  
 3016005 1 R 9:00-11:50  
 MEETS: AUG 26-DEC 20

RESEARCH BRT 699 VAR. CREDITS  
 Prereq: PERMISSION OF STUDENT'S MAJOR PROFESSOR  
 \*\*\*\*\*  
 SEE DEPT FOR REFERENCE NUMBERS

**BUSINESS ADMINISTRATION**

BUS LRN TEAM ORIENT BUSAD 102 1 CREDIT  
 Note: CREDIT IN ONLY ONE OF THE FOLLOWING MAY BE  
 APPLIED TOWARD GRADUATION: BUSAD 102 OR BUSAD 103.  
 COURSE RESTRICTED TO BUSINESS STUDENTS ENROLLED  
 IN A LEARNING TEAM.

6245005 1 M 11:00-11:50  
 MEETS: AUG 26-DEC 20

6245010 2 W 11:00-11:50  
 MEETS: AUG 26-DEC 20

6245015 3 F 11:00-11:50  
 MEETS: AUG 26-DEC 20

Note: SEC 3 RESTRICTED TO TRANSFER STUDENT  
 ENTERING ISU SUMMER 2019 OR FALL 2019

6245020 4 M 4:10-5:00  
 MEETS: AUG 26-DEC 20

6245025 5 W 4:10-5:00  
 MEETS: AUG 26-DEC 20

6245030 6 W 4:10-5:00  
 MEETS: AUG 26-DEC 20

ORIENTATION BUSAD 103 1 CREDIT  
 Note: CREDIT IN ONLY ONE OF THE FOLLOWING MAY BE  
 APPLIED TOWARD GRADUATION: BUSAD 102 OR BUSAD 103

9404005 1 M 8:00-8:50  
 MEETS: AUG 26-DEC 20

Note: SEC 1 RESTRICTED TO BUSINESS COLLEGE TRANSFER  
 STUDENTS ENTERING ISU SUMMER 2019 OR FALL 2019

9404010 2 W 8:00-8:50  
 MEETS: AUG 26-DEC 20

9404015 3 F 8:00-8:50  
 MEETS: AUG 26-DEC 20

9404020 4 M 9:00-9:50  
 MEETS: AUG 26-DEC 20

Note: SEC 4 RESTRICTED TO BUSINESS COLLEGE TRANSFER  
 STUDENTS ENTERING ISU SUMMER 2019 OR FALL 2019

9404025 5 W 9:00-9:50  
 MEETS: AUG 26-DEC 20

9404030 6 F 9:00-9:50  
 MEETS: AUG 26-DEC 20

9404035 7 M 1:10-2:00  
 MEETS: AUG 26-DEC 20

9404040 8 W 1:10-2:00  
 MEETS: AUG 26-DEC 20

9404045 9 F 1:10-2:00  
 MEETS: AUG 26-DEC 20

9404050 10 M 2:10-3:00  
 MEETS: AUG 26-DEC 20

9404055 11 W 2:10-3:00  
 MEETS: AUG 26-DEC 20

9404060 12 M 3:10-4:00  
 MEETS: AUG 26-DEC 20

9404065 13 W 3:10-4:00  
 MEETS: AUG 26-DEC 20

9404070 14 T 8:00-8:50  
 MEETS: AUG 26-DEC 20

9404075 15 R 8:00-8:50  
 MEETS: AUG 26-DEC 20

BUSINESS ADMINISTRATION

(CONTINUED)

CAREERS&EMPLOY PREP BUSAD 203 1 CREDIT  
 Prereq: BUSAD 101 OR BUSAD 102  
 Note: COURSE NOT OPEN TO FIRST TERM FRESHMEN

8860005 1 M 8:00-8:50  
 MEETS: AUG 26-DEC 20

8860010 2 M 10:00-10:50  
 MEETS: AUG 26-DEC 20

8860015 3 M 4:10-5:00  
 MEETS: AUG 26-DEC 20

8860020 4 M 5:10-6:00PM  
 MEETS: AUG 26-DEC 20

8860025 5 W 8:00-8:50  
 MEETS: AUG 26-DEC 20

8860030 6 W 10:00-10:50  
 MEETS: AUG 26-DEC 20

8860035 7 W 4:10-5:00  
 MEETS: AUG 26-DEC 20

8860040 8 F 8:00-8:50  
 MEETS: AUG 26-DEC 20

8860045 9 F 10:00-10:50  
 MEETS: AUG 26-DEC 20

8860050 10 W 5:10-6:00PM  
 MEETS: AUG 26-DEC 20

8860055 11 F 9:00-9:50  
 MEETS: AUG 26-DEC 20

8860060 12 M 3:10-4:00  
 MEETS: AUG 26-DEC 20

8860065 13 W 3:10-4:00  
 MEETS: AUG 26-DEC 20

INTRO TO BUSINESS BUSAD 250 3 CREDITS  
 Prereq: COM S 113  
 Note: SECTIONS A1,B1,ETC. RESTRICTED TO BUSINESS  
 COLLEGE UNDERGRAD MAJORS. SECTIONS A2,B2,ETC.  
 RESTRICTED TO UNDERGRADS IN ALL OTHER COLLEGES.

8807005 A1 MWF 10:00-10:50  
 MEETS: AUG 26-DEC 20

8807010 A2 MWF 10:00-10:50  
 MEETS: AUG 26-DEC 20

8807015 B1 MWF 9:00-9:50  
 MEETS: AUG 26-DEC 20

8807020 B2 MWF 9:00-9:50  
 MEETS: AUG 26-DEC 20

8807025 C1 MWF 2:10-3:00  
 MEETS: AUG 26-DEC 20

8807030 C2 MWF 2:10-3:00  
 MEETS: AUG 26-DEC 20

8807035 D1 MWF 3:10-4:00  
 MEETS: AUG 26-DEC 20

8807040 D2 MWF 3:10-4:00  
 MEETS: AUG 26-DEC 20

8807045 E1 TR 8:00-9:15  
 MEETS: AUG 26-DEC 20

8807050 E2 TR 8:00-9:15  
 MEETS: AUG 26-DEC 20

8807055 F1 TR 3:40-4:55  
 MEETS: AUG 26-DEC 20

8807060 F2 TR 3:40-4:55  
 MEETS: AUG 26-DEC 20

8807065 G1 TR 9:30-10:45PM  
 MEETS: AUG 26-DEC 20

8807070 G2 TR 9:30-10:45PM  
 MEETS: AUG 26-DEC 20

8807075 J1 TR 12:40-1:55  
 MEETS: AUG 26-DEC 20

8807080 J2 TR 12:40-1:55  
 MEETS: AUG 26-DEC 20

8807085 K1 MWF 9:00-9:50  
 MEETS: AUG 26-DEC 20

8807090 K2 MWF 9:00-9:50  
 MEETS: AUG 26-DEC 20

8807095 L1 MWF 11:00-11:50  
 MEETS: AUG 26-DEC 20

8807100 L2 MWF 11:00-11:50  
 MEETS: AUG 26-DEC 20

ENTREPRENSHP SEMINR BUSAD 292 1 CREDIT  
 8304005 1 R 9:30-10:45  
 MEETS: AUG 26-DEC 20

EXP DOMESTC INTERNS BUSAD 391A 1 CREDIT  
 Prereq: 12 CREDITS FROM COLLEGE OF BUSINESS;  
 WRITTEN APPROVAL OF CAREER SERVICES INTERNSHIP  
 COORDINATOR ON REQUIRED FORM PRIOR TO THE LEARNING  
 EXPERIENCE  
 Note: Instructor permission required.  
 Satisfactory-Fail Only.  
 \*\*\*\*\*  
 SEE DEPT FOR REFERENCE NUMBERS

EXP INT'L INTERNSHP BUSAD 391B 1 CREDIT  
 Prereq: 12 CREDITS FROM COLLEGE OF BUSINESS;  
 WRITTEN APPROVAL OF CAREER SERVICES INTERNSHIP  
 COORDINATOR ON REQUIRED FORM PRIOR TO THE LEARNING  
 EXPERIENCE  
 Note: Instructor permission required.  
 Satisfactory-Fail Only.  
 \*\*\*\*\*  
 SEE DEPT FOR REFERENCE NUMBERS

## BUSINESS ADMINISTRATION (CONTINUED)

COOPERATIVE EDUC BUSAD 398 R CREDIT  
Prereq: PERMISSION OF DEPARTMENT  
Note: NO MORE THAN 3 ADDITIONAL CREDITS MAY BE  
TAKEN IN SAME SEMESTER AS BUSAD 398  
Satisfactory-Fail Only.  
6147005 1 ARRANGED WIELAND K  
MEETS: AUG 26-DEC 20  
Note: Permission of coordinator required.

IND STUDY INT'L BUS BUSAD 490A 1- 3 CREDITS  
Prereq: ACCEPTANCE IN PROFESSIONAL PROGRAM  
IN BUSINESS; PERMISSION OF INSTRUCTOR  
Note: Instructor permission required.  
3097018 1 ARRANGED  
MEETS: AUG 26-DEC 20

IND STDY ENTREPRENR BUSAD 490E 1- 3 CREDITS  
Prereq: SENIOR CLASSIFICATION; PERMISSION  
OF INSTRUCTOR  
Note: COURSE ONLY OFFERED FOR 3 CREDITS FALL 2019  
Instructor permission required.  
3635005 1 ARRANGED  
MEETS: AUG 26-DEC 20

INDEPENDENT STUDY BUSAD 490G 1- 3 CREDITS  
Prereq: ACCEPTANCE IN PROFESSIONAL PROGRAM  
IN BUSINESS; PERMISSION OF INSTRUCTOR  
Note: Instructor permission required.  
3634005 1 ARRANGED  
MEETS: AUG 26-DEC 20

INDEP STUDY HONORS BUSAD 490H 1- 3 CREDITS  
Prereq: ADMISSION TO THE BUSINESS HONORS PROGRAM  
Note: COURSE RESTRICTED TO STUDENTS IN THE UNIVERSITY  
HONORS PROGRAM ONLY  
Instructor permission required.  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

QUANT BUS ANLY&DECI BUSAD 502 3 CREDITS  
Prereq: ENROLLMENT IN MBA PROGRAM OR DEPARTMENTAL  
PERMISSION  
Note: COURSE RESTRICTED TO BUSAD MAJORS ONLY  
9351005 1 TR 7:30-10:50  
MEETS: SEPT 3-OCT 10

PRO EXPERIENL LRNG BUSAD 591 1- 3 CREDITS  
Prereq: GRADUATE STANDING; WRITTEN APPROVAL OF  
SUPERVISING INSTRUCTOR AND DEPARTMENT CHAIR ON  
REQUIRED FORM PRIOR TO THE LEARNING EXPERIENCE  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

MBA PRO SKILLS DEVE BUSAD 592 R CREDIT  
Prereq: ADMISSION TO FULL-TIME MBA PROGRAM  
Note: COURSE RESTRICTED TO GRADUATE BUSAD MAJORS ONLY  
Satisfactory-Fail Only.  
7958005 1 F 8:00-10:45  
MEETS: SEPT 6-NOV 22

COOPERATIVE EDUCATN BUSAD 598 R CREDIT  
Prereq: PERMISSION OF INSTRUCTOR  
Note: Instructor permission required.  
Satisfactory-Fail Only.  
7906005 1 ARRANGED  
MEETS: AUG 26-DEC 20

CREATIV COMP ACCNTG BUSAD 599A 3 CREDITS  
Prereq: GRAD CLASSIF, PERMSN OF SUPERV COMM CHAIR  
Note: RESTRICTED TO BUSINESS COLLEGE GRADUATE STUDENTS  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

CREATIV COMP FINANC BUSAD 599C 3 CREDITS  
Prereq: GRAD CLASSIF, PERMSN OF SUPERV COMM CHAIR  
Note: RESTRICTED TO BUSINESS COLLEGE GRADUATE STUDENTS  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

CREATV COMP MANAGMT BUSAD 599E 3 CREDITS  
Prereq: GRAD CLASSIF, PERMSN OF SUPERV COMM CHAIR  
Note: RESTRICTED TO BUSINESS COLLEGE GRADUATE STUDENTS  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

CREATV COMP MARKTNG BUSAD 599F 3 CREDITS  
Prereq: GRAD CLASSIF, PERMSN OF SUPERV COMM CHAIR  
Note: RESTRICTED TO BUSINESS COLLEGE GRADUATE STUDENTS  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

CRTV CMP MGT INF SY BUSAD 599K 3 CREDITS  
Prereq: GRAD CLASSIF, PERMSN OF SUPERV COMM CHAIR  
Note: RESTRICTED TO BUSINESS COLLEGE GRADUATE STUDENTS  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

CREATV COMPONEN SCM BUSAD 599L 3 CREDITS  
Prereq: GRAD CLASSIF, PERMSN OF SUPERV COMM CHAIR  
Note: RESTRICTED TO BUSINESS COLLEGE GRADUATE STUDENTS  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

## BUSINESS ADMINISTRATION (CONTINUED)

BUS RESEARCH METHODS BUSAD 644 3 CREDITS  
Prereq: ADMISSION TO COLLEGE OF BUSINESS  
PH.D. PROGRAM OR PERMISSION OF INSTRUCTOR  
Note: RESTRICTED TO BUSINESS COLLEGE GRADUATE STUDENTS  
9567005 1 M 2:10-5:00  
MEETS: AUG 26-DEC 20

RESEARCH BUSAD 699 3- 6 CREDITS  
Prereq: GRAD CLASSIF, PERMISSION OF MAJOR PROF  
Note: RESTRICTED TO BUSINESS COLLEGE GRADUATE STUDENTS  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

## CHEMICAL ENGINEERING

LEARNING COMMUNITY CH E 104 R CREDIT  
Prereq: ENROLLMENT IN CH E LEARNING TEAM  
Satisfactory-Fail Only.  
3630005 1 W 10:00-10:50  
MEETS: AUG 26-DEC 20  
3630010 2 W 10:00-10:50  
MEETS: AUG 26-DEC 20  
3630015 3 R 1:10-2:00  
MEETS: AUG 26-DEC 20  
3630020 4 R 2:10-3:00  
MEETS: AUG 26-DEC 20  
3630025 5 T 2:10-3:00  
MEETS: AUG 26-DEC 20  
3630030 6 W 11:00-11:50  
MEETS: AUG 26-DEC 20  
3630035 7 W 1:10-2:00  
MEETS: AUG 26-DEC 20  
3630040 8 W 2:10-3:00  
MEETS: AUG 26-DEC 20

CH E PROBL CPTR LAB CH E 160 3 CREDITS  
Prereq: MATH 143 OR SATISFACTORY SCORES ON MATH  
PLACEMENT EXAMS; CREDIT OR ENROLLMENT IN MATH 165  
Note: CLASSROOM TIMES ARE LAB. LECTURE WILL BE  
DELIVERED ONLINE. COURSE RESTRICTED TO CH E  
MAJORS ONLY.  
Night exams scheduled. For dates go to  
<http://www.registrar.iastate.edu/students/exams/night-exams>  
2778005 1 ARRANGED  
MW 12:10-1:00  
MEETS: AUG 26-DEC 20  
2778010 2 ARRANGED, MW 1:10-2:00  
MEETS: AUG 26-DEC 20  
2778015 3 ARRANGED, MW 3:10-4:00  
MEETS: AUG 26-DEC 20  
2778020 4 ARRANGED, MW 4:10-5:00  
MEETS: AUG 26-DEC 20

SEMINAR CH E 202 1 CREDIT  
Prereq: CREDIT OR ENROLLMENT IN CH E 210  
Note: COURSE RESTRICTED TO CH E MAJORS ONLY  
2432005 1 R 3:40-4:30  
MEETS: AUG 26-DEC 20

CONTINU LEARN COMM CH E 204 R CREDIT  
Prereq: ENROLLMENT IN CH E LEARNING COMMUNITY  
Satisfactory-Fail Only.  
8171005 1 T 9:30-10:20  
MEETS: AUG 26-DEC 20

CH E PROGRSS ASESMT CH E 205 R CREDIT  
Prereq: CHEM 178, MATH 166. CREDIT OR ENROLLMENT  
IN CH E 160 AND CH E 210  
Note: MEETING TIME ARRANGED, EXCEPT FOR ONE-TIME  
MANDATORY MEETING ON WED, AUG 30 AT 5:10-6 P.M.  
Satisfactory-Fail Only.  
2531005 1 W 5:10-6:00PM  
ARRANGED  
MEETS: AUG 26-DEC 20

MATRL &ENERGY BALNC CH E 210 3 CREDITS  
Prereq: CHEM 178, MATH 166, CH E 160  
2429005 1 MWF 2:10-3:00  
MEETS: AUG 26-DEC 20  
2429010 2 MWF 3:10-4:00  
MEETS: AUG 26-DEC 20

COMPUT MTHDS CHEM E CH E 310 3 CREDITS  
Prereq: CH E 160, CH E 205, CH E 210, MATH 265  
2104005 1 TR 2:10-3:30  
MEETS: AUG 26-DEC 20  
2104010 2 TR 12:40-2:00  
MEETS: AUG 26-DEC 20

CHEMICAL ENGR LAB I CH E 325 2 CREDITS  
Prereq: CH E 357, CH E 381; CREDIT OR ENROLLMENT  
IN ENGL 314 OR ENGL 309 OR ENGL 312 OR JL MC 347  
Note: Instructor permission required 1st week.  
5699005 1 MW 12:10-2:00  
MEETS: AUG 26-DEC 20  
5699010 2 MW 2:10-4:00  
MEETS: AUG 26-DEC 20  
5699015 3 MW 12:10-2:00  
MEETS: AUG 26-DEC 20  
5699020 4 MW 2:10-4:00  
MEETS: AUG 26-DEC 20

## CHEMICAL ENGINEERING (CONTINUED)

TRANSPRT PHENOMEN I CH E 356 3 CREDITS  
Prereq: CH E 205, CH E 210, PHYS 221;  
CREDIT OR ENROLLMENT IN MATH 267  
2435005 1 MWF 10:00-10:50  
MEETS: AUG 26-DEC 20

TRANSPRT PHENOMN II CH E 357 3 CREDITS  
Prereq: CH E 356  
2436005 1 MWF 2:10-3:00  
MEETS: AUG 26-DEC 20  
2436010 2 MWF 2:10-3:00  
MEETS: AUG 26-DEC 20

SEPARATIONS CH E 358 3 CREDITS  
Prereq: CH E 310, CH E 357, CH E 381  
2437005 1 MWF 11:00-11:50  
MEETS: AUG 26-DEC 20

CH E THERMODYNAMICS CH E 381 3 CREDITS  
Prereq: MATH 267, PHYS 222, CHEM 325,  
CREDIT OR ENROLLMENT IN CH E 310  
2438005 1 MWF 9:00-9:50  
MEETS: AUG 26-DEC 20  
2438010 2 MWF 9:00-9:50  
MEETS: AUG 26-DEC 20

CHEMICAL REACTN ENGR CH E 382 3 CREDITS  
Prereq: CH E 310, CH E 381; CREDIT OR ENROLLMENT  
IN CH E 357  
2439005 1 MWF 9:00-9:50  
MEETS: AUG 26-DEC 20

COOPERATIVE EDUC CH E 398 R CREDIT  
Prereq: CH E 298, PERMISSION OF DEPARTMENT AND  
ENGINEERING CAREER SERVICES  
Satisfactory-Fail Only.  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

SURFAC&COLLOID CHEM CH E 408 3 CREDITS  
Prereq: CH E 381  
2106005 1 MWF 1:10-2:00  
MEETS: AUG 26-DEC 20

CHEMICAL PROCSS SAFETY CH E 420 3 CREDITS  
Prereq: CH E 357, CH E 381  
Night exams scheduled. For dates go to  
[http://www.registrar.iastate.edu/students/exams/  
night-exams](http://www.registrar.iastate.edu/students/exams/night-exams)  
7965005 1 MWF 11:00-11:50  
MEETS: AUG 26-DEC 20  
7965010 2 MWF 8:00-8:50  
MEETS: AUG 26-DEC 20

PROCESS CONTROL CH E 421 3 CREDITS  
Prereq: CH E 358, CH E 382, MATH 267  
2447005 1 TR 12:40-2:00  
MEETS: AUG 26-DEC 20

CHEMICAL ENGR LAB II CH E 426 2 CREDITS  
Prereq: CH E 325, CH E 358, CH E 382  
Note: COURSE RESTRICTED TO CH E SENIORS GRADUATING F'19  
CREDIT FOR EITHER CH E 426 OR CH E 427, BUT NOT BOTH,  
MAY BE APPLIED TOWARD GRADUATION  
Instructor permission required 1st week.  
2448005 1 T 8:00-11:50  
MEETS: AUG 26-DEC 20  
2448010 2 R 8:00-11:50  
MEETS: AUG 26-DEC 20  
2448015 3 TR 2:10-6:00PM  
MEETS: AUG 26-DEC 20

PROCES&PLANT DESIGN CH E 430 4 CREDITS  
Prereq: CH E 358, CH E 382  
2449005 1 MW 8:00-8:50  
MW 9:00-10:50  
MEETS: AUG 26-DEC 20

BIOMED APP CHEM ENG CH E 440 3 CREDITS  
Prereq: CH E 210, MATH 266 OR MATH 267, PHYS 222  
2108005 1 MWF 12:10-1:00  
MEETS: AUG 26-DEC 20

UG RESRCH/IND STUDY CH E 490 1- 6 CREDITS  
Prereq: PERMISSION OF DEPARTMENT  
Note: NO MORE THAN 6 CREDITS OF CH E 490 MAY BE  
APPLIED TOWARDS GRADUATION AS TECHNICAL ELECTIVES  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

INDEP STUDY HONORS CH E 490H 1- 6 CREDITS  
Prereq: MEMBERSHIP IN THE HONORS PROGRAM  
Note: NO MORE THAN 6 CREDITS OF CH E 490 MAY BE  
APPLIED TOWARDS GRADUATION AS TECHNICAL ELECTIVES.  
RESTRICTED TO STUDENTS IN THE UNIVERSITY HONORS  
PROGRAM ONLY.  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

## CHEMICAL ENGINEERING (CONTINUED)

SURFAC&COLLOID CHEM CH E 508 3 CREDITS  
2135005 1 MWF 1:10-2:00  
MEETS: AUG 26-DEC 20

BIOMED APP CHEM ENG CH E 540 3 CREDITS  
Prereq: CH E 210, MATH 266, PHYS 222  
2462005 1 MWF 12:10-1:00  
MEETS: AUG 26-DEC 20

ANALYT&NUMERC METHD CH E 545 3 CREDITS  
Prereq: CH E 358, MATH 267  
2463005 1 MWF 2:10-3:00  
MEETS: AUG 26-DEC 20

TRANSPORT PHENOMENA CH E 554 4 CREDITS  
Prereq: CH E 357, CH E 381, MATH 267, CREDIT OR  
ENROLLMENT IN CH E 545  
8238005 1 MTWF 9:00-9:50  
MEETS: AUG 26-DEC 20

ADV THERMODYNAMICS CH E 583 3 CREDITS  
Prereq: CH E 381  
2467005 1 TR 2:10-3:30  
MEETS: AUG 26-DEC 20

INDEPENDENT STUDY CH E 590 2- 6 CREDITS  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

CREATIVE COMPONENT CH E 599 VAR. CREDITS  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

SEMINAR CH E 601 R CREDIT  
Satisfactory-Fail Only.  
2479005 1 R 11:00-11:50  
MEETS: AUG 26-DEC 20

INDEPENDENT STUDY CH E 692 2- 6 CREDITS  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

ENGINEER INTERNSHIP CH E 697 R CREDIT  
Prereq: PERMISSION OF MAJOR PROF, GRAD CLASSIF  
2116005 1 ARRANGED  
MEETS: AUG 26-DEC 20

TEACHING PRACTICUM CH E 698A 1 CREDIT  
Prereq: GRADUATE CLASSIFICATION, PERMISSION  
OF INSTRUCTOR  
Satisfactory-Fail Only.  
2774005 1 M 3:10-4:00  
MEETS: AUG 26-DEC 20

TCHG PRACTICM:EXPRC CH E 698B 1 CREDIT  
Prereq: CH E 698A  
Satisfactory-Fail Only.  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

RESEARCH CH E 699 VAR. CREDITS  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

## CHEMISTRY

COLLEGE CHEM PREP CHEM 50 0 CREDITS  
Prereq: ONE YEAR OF HIGH SCHOOL ALGEBRA  
Note: DEVELOPMENTAL CHEM FEE APPLIES. SEE TUITION AND  
FEES WEBSITE FOR MORE INFORMATION ON FEE. CREDIT FOR  
CHEM 50 DOES NOT APPLY TOWARD GRADUATION.  
4523005 1 MF 10:00-10:50  
W 8:00-8:50  
MEETS: AUG 26-DEC 20  
Section info: <http://courses.chem.iastate.edu/>

4523010 2 MF 10:00-10:50  
W 9:00-9:50  
MEETS: AUG 26-DEC 20  
Section info: <http://courses.chem.iastate.edu/>

4523015 3 MF 10:00-10:50  
W 10:00-10:50  
MEETS: AUG 26-DEC 20  
Section info: <http://courses.chem.iastate.edu/>

4523020 4 MF 10:00-10:50  
W 11:00-11:50  
MEETS: AUG 26-DEC 20  
Section info: <http://courses.chem.iastate.edu/>

4523025 5 MF 10:00-10:50  
W 12:10-1:00  
MEETS: AUG 26-DEC 20  
Section info: <http://courses.chem.iastate.edu/>

4523030 6 MF 10:00-10:50  
W 1:10-2:00  
MEETS: AUG 26-DEC 20  
Section info: <http://courses.chem.iastate.edu/>

4523035 7 MF 10:00-10:50  
W 2:10-3:00  
MEETS: AUG 26-DEC 20  
Section info: <http://courses.chem.iastate.edu/>

4523040 8 MTWRF 2:10-3:00  
MEETS: OCT 21-DEC 20  
Section info: <http://courses.chem.iastate.edu/>

## CHEMISTRY (CONTINUED)

ON CAMPUS ORIENTATN CHEM 101A 1 CREDIT  
Prereq: MEMBER OF THE CHEM LEARNING COMMUNITY  
Satisfactory-Fail Only.  
4760005 1 T 3:10-4:00  
MEETS: AUG 26-DEC 20

RESRCH&CAREER OPPOR CHEM 110 1 CREDIT  
Satisfactory-Fail Only.  
8862005 1 R 4:10-5:00  
MEETS: AUG 26-DEC 20

CHEM IN MOD SOCIETY CHEM 160 3 CREDITS  
2488005 1 TR 11:00-12:15  
MEETS: AUG 26-DEC 20  
Section info: <http://courses.chem.iastate.edu/>

COLLEGE CHEMISTRY I CHEM 163 4 CREDITS  
Prereq: 1 YR H.S. ALGEBRA AND GEOMETRY;  
CHEM 50 OR 1 YR H.S. CHEMISTRY; AND CREDIT OR  
ENROLLMENT IN CHEM 163L  
Note: CREDIT FOR ONLY ONE OF THE FOLLOWING COURSES  
(AND ACCOMPANYING LABS) MAY BE APPLIED TOWARD  
GRADUATION: CHEM 163, CHEM 167, CHEM 177, CHEM 201.  
TESTOUT NOT AVAILABLE TO STUDENTS ALSO REGISTERED.  
Night exams scheduled. For dates go to  
[http://www.registrar.iastate.edu/students/exams/  
night-exams](http://www.registrar.iastate.edu/students/exams/night-exams).

2489015 1 MWF 8:00-8:50  
W 9:00-9:50  
MEETS: AUG 26-DEC 20  
Section info: <http://courses.chem.iastate.edu/>

2489020 2 MWF 8:00-8:50  
W 9:00-9:50  
MEETS: AUG 26-DEC 20  
Section info: <http://courses.chem.iastate.edu/>

2489025 3 MWF 8:00-8:50  
W 10:00-10:50  
MEETS: AUG 26-DEC 20  
Section info: <http://courses.chem.iastate.edu/>

2489030 4 MWF 8:00-8:50  
W 11:00-11:50  
MEETS: AUG 26-DEC 20  
Section info: <http://courses.chem.iastate.edu/>

2489035 5 MWF 8:00-8:50  
W 12:10-1:00  
MEETS: AUG 26-DEC 20  
Section info: <http://courses.chem.iastate.edu/>

2489040 6 MWF 8:00-8:50  
W 12:10-1:00  
MEETS: AUG 26-DEC 20  
Section info: <http://courses.chem.iastate.edu/>

2489045 7 MWF 8:00-8:50  
W 1:10-2:00  
MEETS: AUG 26-DEC 20  
Section info: <http://courses.chem.iastate.edu/>

2489050 8 MWF 8:00-8:50  
W 2:10-3:00  
MEETS: AUG 26-DEC 20  
Section info: <http://courses.chem.iastate.edu/>

2489055 9 MWF 8:00-8:50  
W 2:10-3:00  
MEETS: AUG 26-DEC 20  
Section info: <http://courses.chem.iastate.edu/>

2489060 10 MWF 8:00-8:50  
W 3:10-4:00  
MEETS: AUG 26-DEC 20  
Section info: <http://courses.chem.iastate.edu/>

2489065 11 MWF 8:00-8:50  
W 4:10-5:00  
MEETS: AUG 26-DEC 20  
Section info: <http://courses.chem.iastate.edu/>

2489070 12 MWF 2:10-3:00  
W 8:00-8:50  
MEETS: AUG 26-DEC 20  
Section info: <http://courses.chem.iastate.edu/>

2489075 13 MWF 2:10-3:00  
W 8:00-8:50  
MEETS: AUG 26-DEC 20  
Section info: <http://courses.chem.iastate.edu/>

2489080 14 MWF 2:10-3:00  
W 9:00-9:50  
MEETS: AUG 26-DEC 20  
Section info: <http://courses.chem.iastate.edu/>

2489085 15 MWF 2:10-3:00  
W 10:00-10:50  
MEETS: AUG 26-DEC 20  
Section info: <http://courses.chem.iastate.edu/>

2489090 16 MWF 2:10-3:00  
W 10:00-10:50  
MEETS: AUG 26-DEC 20  
Section info: <http://courses.chem.iastate.edu/>

2489095 17 MWF 2:10-3:00  
W 11:00-11:50  
MEETS: AUG 26-DEC 20  
Section info: <http://courses.chem.iastate.edu/>

2489100 18 MWF 2:10-3:00  
W 12:10-1:00  
MEETS: AUG 26-DEC 20  
Section info: <http://courses.chem.iastate.edu/>

2489105 19 MWF 2:10-3:00  
W 12:10-1:00  
MEETS: AUG 26-DEC 20  
Section info: <http://courses.chem.iastate.edu/>

2489110 20 MWF 2:10-3:00  
W 1:10-2:00  
MEETS: AUG 26-DEC 20

## CHEMISTRY (CONTINUED)

COLLEGE CHEMISTRY I CHEM 163 4 CREDITS  
Section info: <http://courses.chem.iastate.edu/>

2489115 21 MWF 2:10-3:00  
W 3:10-4:00  
MEETS: AUG 26-DEC 20  
Section info: <http://courses.chem.iastate.edu/>

2489041 22 MWF 2:10-3:00  
W 4:10-5:00  
MEETS: AUG 26-DEC 20  
Section info: <http://courses.chem.iastate.edu/>

GENERAL CHEM LAB I CHEM 163L 1 CREDIT  
Prereq: CREDIT OR ENROLLMENT FOR CREDIT IN CHEM  
163  
Note: MUST BE ACCOMPANIED BY CHEM 163 UNLESS STUDENT  
ALREADY HAS CREDIT IN 163. CREDIT FOR ONLY ONE OF  
THE FOLLOWING MAY BE APPLIED TOWARD GRADUATION:  
CHEM 163L, CHEM 167L, CHEM 177L, CHEM 177N, CHEM 201L

2490005 1 M 9:00-11:50  
MEETS: AUG 26-DEC 20  
Section info: <http://courses.chem.iastate.edu/>

2490010 2 M 9:00-11:50  
MEETS: AUG 26-DEC 20  
Section info: <http://courses.chem.iastate.edu/>

2490015 3 M 12:10-3:00  
MEETS: AUG 26-DEC 20  
Section info: <http://courses.chem.iastate.edu/>

2490020 4 M 12:10-3:00  
MEETS: AUG 26-DEC 20  
Section info: <http://courses.chem.iastate.edu/>

2490025 5 M 3:10-6:00PM  
MEETS: AUG 26-DEC 20  
Section info: <http://courses.chem.iastate.edu/>

2490030 6 M 3:10-6:00PM  
MEETS: AUG 26-DEC 20  
Section info: <http://courses.chem.iastate.edu/>

2490035 7 M 6:10-9:00PM  
MEETS: AUG 26-DEC 20  
Section info: <http://courses.chem.iastate.edu/>

2490040 8 M 6:10-9:00PM  
MEETS: AUG 26-DEC 20  
Section info: <http://courses.chem.iastate.edu/>

2490045 9 T 9:00-11:50  
MEETS: AUG 26-DEC 20  
Section info: <http://courses.chem.iastate.edu/>

2490050 10 T 9:00-11:50  
MEETS: AUG 26-DEC 20  
Section info: <http://courses.chem.iastate.edu/>

2490055 11 T 12:10-3:00  
MEETS: AUG 26-DEC 20  
Section info: <http://courses.chem.iastate.edu/>

2490060 12 T 12:10-3:00  
MEETS: AUG 26-DEC 20  
Section info: <http://courses.chem.iastate.edu/>

2490065 13 T 3:10-6:00PM  
MEETS: AUG 26-DEC 20  
Section info: <http://courses.chem.iastate.edu/>

2490070 14 T 3:10-6:00PM  
MEETS: AUG 26-DEC 20  
Section info: <http://courses.chem.iastate.edu/>

2490075 15 W 9:00-11:50  
MEETS: AUG 26-DEC 20  
Section info: <http://courses.chem.iastate.edu/>

2490080 16 W 9:00-11:50  
MEETS: AUG 26-DEC 20  
Section info: <http://courses.chem.iastate.edu/>

2490085 17 W 12:10-3:00  
MEETS: AUG 26-DEC 20  
Section info: <http://courses.chem.iastate.edu/>

2490090 18 W 12:10-3:00  
MEETS: AUG 26-DEC 20  
Section info: <http://courses.chem.iastate.edu/>

2490095 19 W 3:10-6:00PM  
MEETS: AUG 26-DEC 20  
Section info: <http://courses.chem.iastate.edu/>

2490100 20 W 3:10-6:00PM  
MEETS: AUG 26-DEC 20  
Section info: <http://courses.chem.iastate.edu/>

2490105 21 R 9:00-11:50  
MEETS: AUG 26-DEC 20  
Section info: <http://courses.chem.iastate.edu/>

2490110 22 R 9:00-11:50  
MEETS: AUG 26-DEC 20  
Section info: <http://courses.chem.iastate.edu/>

2490115 23 R 12:10-3:00  
MEETS: AUG 26-DEC 20  
Section info: <http://courses.chem.iastate.edu/>

2490120 24 R 12:10-3:00  
MEETS: AUG 26-DEC 20  
Section info: <http://courses.chem.iastate.edu/>

2490125 25 R 3:10-6:00PM  
MEETS: AUG 26-DEC 20  
Section info: <http://courses.chem.iastate.edu/>

2490130 26 R 3:10-6:00PM  
MEETS: AUG 26-DEC 20  
Section info: <http://courses.chem.iastate.edu/>



## CHEMISTRY

(CONTINUED)

ENGNRS GENERAL CHEM CHEM 167 4 CREDITS  
 Prereq: ONE YEAR OF HIGH SCHOOL CHEMISTRY OR  
 CHEM 50; MATH 143 PRE-CALCULUS OR HIGH SCHOOL EQIV  
 Note: COURSE RESTRICTED TO ENGR COLLEGE MAJORS ONLY.  
 CREDIT FOR ONLY ONE OF THE FOLLOWING COURSES (AND  
 ACCOMPANYING LABS) MAY BE APPLIED TOWARD GRADUATION:  
 CHEM 163, CHEM 167, CHEM 177, CHEM 201. TESTOUT NOT  
 AVAILABLE TO STUDENTS ALSO REGISTERED.  
 Night exams scheduled. For dates go to  
[http://www.registrar.iastate.edu/students/exams/  
 night-exams](http://www.registrar.iastate.edu/students/exams/night-exams).

2493005 1 MWF 3:10-4:00  
 T 8:00-8:50  
 MEETS: AUG 26-DEC 20  
 Section info: <http://courses.chem.iastate.edu/>

2493010 2 MWF 3:10-4:00  
 T 8:00-8:50  
 MEETS: AUG 26-DEC 20  
 Section info: <http://courses.chem.iastate.edu/>

2493015 3 MWF 3:10-4:00  
 T 9:00-9:50  
 MEETS: AUG 26-DEC 20  
 Section info: <http://courses.chem.iastate.edu/>

2493020 4 MWF 3:10-4:00  
 T 9:00-9:50  
 MEETS: AUG 26-DEC 20  
 Section info: <http://courses.chem.iastate.edu/>

2493025 5 MWF 3:10-4:00  
 T 10:00-10:50  
 MEETS: AUG 26-DEC 20  
 Section info: <http://courses.chem.iastate.edu/>

2493030 6 MWF 3:10-4:00  
 T 11:00-11:50  
 MEETS: AUG 26-DEC 20  
 Section info: <http://courses.chem.iastate.edu/>

2493035 7 MWF 3:10-4:00  
 T 11:00-11:50  
 MEETS: AUG 26-DEC 20  
 Section info: <http://courses.chem.iastate.edu/>

2493040 8 MWF 3:10-4:00  
 T 12:10-1:00  
 MEETS: AUG 26-DEC 20  
 Section info: <http://courses.chem.iastate.edu/>

2493045 9 MWF 3:10-4:00  
 T 12:10-1:00  
 MEETS: AUG 26-DEC 20  
 Section info: <http://courses.chem.iastate.edu/>

2493050 10 MWF 3:10-4:00  
 T 1:10-2:00  
 MEETS: AUG 26-DEC 20  
 Section info: <http://courses.chem.iastate.edu/>

2493055 11 MWF 3:10-4:00  
 T 1:10-2:00  
 MEETS: AUG 26-DEC 20  
 Section info: <http://courses.chem.iastate.edu/>

2493060 12 MWF 3:10-4:00  
 T 2:10-3:00  
 MEETS: AUG 26-DEC 20  
 Section info: <http://courses.chem.iastate.edu/>

2493065 13 MWF 3:10-4:00  
 T 2:10-3:00  
 MEETS: AUG 26-DEC 20  
 Section info: <http://courses.chem.iastate.edu/>

2493070 14 MWF 3:10-4:00  
 T 3:10-4:00  
 MEETS: AUG 26-DEC 20  
 Section info: <http://courses.chem.iastate.edu/>

2493075 15 MWF 3:10-4:00  
 T 3:10-4:00  
 MEETS: AUG 26-DEC 20  
 Section info: <http://courses.chem.iastate.edu/>

2493080 16 MWF 3:10-4:00  
 T 4:10-5:00  
 MEETS: AUG 26-DEC 20  
 Section info: <http://courses.chem.iastate.edu/>

2493085 17 MWF 3:10-4:00  
 T 5:10-6:00PM  
 MEETS: AUG 26-DEC 20  
 Section info: <http://courses.chem.iastate.edu/>

2493090 18 MWF 10:00-10:50  
 T 8:00-8:50  
 MEETS: AUG 26-DEC 20  
 Section info: <http://courses.chem.iastate.edu/>

2493095 19 MWF 10:00-10:50  
 T 8:00-8:50  
 MEETS: AUG 26-DEC 20  
 Section info: <http://courses.chem.iastate.edu/>

2493100 20 MWF 10:00-10:50  
 T 9:00-9:50  
 MEETS: AUG 26-DEC 20  
 Section info: <http://courses.chem.iastate.edu/>

2493105 21 MWF 10:00-10:50  
 T 9:00-9:50  
 MEETS: AUG 26-DEC 20  
 Section info: <http://courses.chem.iastate.edu/>

2493110 22 MWF 10:00-10:50  
 T 10:00-10:50  
 MEETS: AUG 26-DEC 20  
 Section info: <http://courses.chem.iastate.edu/>

2493115 23 MWF 10:00-10:50  
 T 11:00-11:50  
 MEETS: AUG 26-DEC 20  
 Section info: <http://courses.chem.iastate.edu/>

2493120 24 MWF 10:00-10:50  
 T 11:00-11:50  
 MEETS: AUG 26-DEC 20

## CHEMISTRY

(CONTINUED)

ENGNRS GENERAL CHEM CHEM 167 4 CREDITS  
 Section info: <http://courses.chem.iastate.edu/>

2493125 25 MWF 10:00-10:50  
 T 12:10-1:00  
 MEETS: AUG 26-DEC 20  
 Section info: <http://courses.chem.iastate.edu/>

2493130 26 MWF 10:00-10:50  
 T 12:10-1:00  
 MEETS: AUG 26-DEC 20  
 Section info: <http://courses.chem.iastate.edu/>

2493135 27 MWF 10:00-10:50  
 T 1:10-2:00  
 MEETS: AUG 26-DEC 20  
 Section info: <http://courses.chem.iastate.edu/>

2493140 28 MWF 10:00-10:50  
 T 1:10-2:00  
 MEETS: AUG 26-DEC 20  
 Section info: <http://courses.chem.iastate.edu/>

2493145 29 MWF 10:00-10:50  
 T 1:10-2:00  
 MEETS: AUG 26-DEC 20  
 Section info: <http://courses.chem.iastate.edu/>

2493150 30 MWF 10:00-10:50  
 T 2:10-3:00  
 MEETS: AUG 26-DEC 20  
 Section info: <http://courses.chem.iastate.edu/>

2493155 31 MWF 10:00-10:50  
 T 3:10-4:00  
 MEETS: AUG 26-DEC 20  
 Section info: <http://courses.chem.iastate.edu/>

2493160 32 MWF 10:00-10:50  
 T 4:10-5:00  
 MEETS: AUG 26-DEC 20  
 Section info: <http://courses.chem.iastate.edu/>

2493165 33 MWF 10:00-10:50  
 T 4:10-5:00  
 MEETS: AUG 26-DEC 20  
 Section info: <http://courses.chem.iastate.edu/>

2493170 34 MWF 10:00-10:50  
 T 5:10-6:00PM  
 MEETS: AUG 26-DEC 20  
 Section info: <http://courses.chem.iastate.edu/>

2493175 35 MWF 12:10-1:00  
 T 8:00-8:50  
 MEETS: AUG 26-DEC 20  
 Section info: <http://courses.chem.iastate.edu/>

2493180 36 MWF 12:10-1:00  
 T 9:00-9:50  
 MEETS: AUG 26-DEC 20  
 Section info: <http://courses.chem.iastate.edu/>

2493185 37 MWF 12:10-1:00  
 T 10:00-10:50  
 MEETS: AUG 26-DEC 20  
 Section info: <http://courses.chem.iastate.edu/>

2493190 38 MWF 12:10-1:00  
 T 10:00-10:50  
 MEETS: AUG 26-DEC 20  
 Section info: <http://courses.chem.iastate.edu/>

2493195 39 MWF 12:10-1:00  
 T 11:00-11:50  
 MEETS: AUG 26-DEC 20  
 Section info: <http://courses.chem.iastate.edu/>

2493200 40 MWF 12:10-1:00  
 T 11:00-11:50  
 MEETS: AUG 26-DEC 20  
 Section info: <http://courses.chem.iastate.edu/>

2493205 41 MWF 12:10-1:00  
 T 12:10-1:00  
 MEETS: AUG 26-DEC 20  
 Section info: <http://courses.chem.iastate.edu/>

2493210 42 MWF 12:10-1:00  
 T 12:10-1:00  
 MEETS: AUG 26-DEC 20  
 Section info: <http://courses.chem.iastate.edu/>

2493215 43 MWF 12:10-1:00  
 T 1:10-2:00  
 MEETS: AUG 26-DEC 20  
 Section info: <http://courses.chem.iastate.edu/>

2493220 44 MWF 12:10-1:00  
 T 1:10-2:00  
 MEETS: AUG 26-DEC 20  
 Section info: <http://courses.chem.iastate.edu/>

2493225 45 MWF 12:10-1:00  
 T 2:10-3:00  
 MEETS: AUG 26-DEC 20  
 Section info: <http://courses.chem.iastate.edu/>

2493230 46 MWF 12:10-1:00  
 T 2:10-3:00  
 MEETS: AUG 26-DEC 20  
 Section info: <http://courses.chem.iastate.edu/>

2493235 47 MWF 12:10-1:00  
 T 2:10-3:00  
 MEETS: AUG 26-DEC 20  
 Section info: <http://courses.chem.iastate.edu/>

2493240 48 MWF 12:10-1:00  
 T 3:10-4:00  
 MEETS: AUG 26-DEC 20  
 Section info: <http://courses.chem.iastate.edu/>

2493245 49 MWF 12:10-1:00  
 T 4:10-5:00  
 MEETS: AUG 26-DEC 20  
 Section info: <http://courses.chem.iastate.edu/>

2493250 50 MWF 12:10-1:00  
 T 5:10-6:00PM  
 MEETS: AUG 26-DEC 20  
 Section info: <http://courses.chem.iastate.edu/>

## CHEMISTRY

(CONTINUED)

ENGNRS GENERAL CHEM CHEM 167 4 CREDITS  
 2493255 51 MWF 12:10-1:00  
 T 5:10-6:00PM  
 MEETS: AUG 26-DEC 20  
 Section info: <http://courses.chem.iastate.edu/>  
 2493260 52 MWF 2:10-3:00  
 T 8:00-8:50  
 MEETS: AUG 26-DEC 20  
 Section info: <http://courses.chem.iastate.edu/>  
 2493265 53 MWF 2:10-3:00  
 T 9:00-9:50  
 MEETS: AUG 26-DEC 20  
 Section info: <http://courses.chem.iastate.edu/>  
 2493270 54 MWF 2:10-3:00  
 T 9:00-9:50  
 MEETS: AUG 26-DEC 20  
 Section info: <http://courses.chem.iastate.edu/>  
 2493275 55 MWF 2:10-3:00  
 T 10:00-10:50  
 MEETS: AUG 26-DEC 20  
 Section info: <http://courses.chem.iastate.edu/>  
 2493280 56 MWF 2:10-3:00  
 T 10:00-10:50  
 MEETS: AUG 26-DEC 20  
 Section info: <http://courses.chem.iastate.edu/>  
 2493285 57 MWF 2:10-3:00  
 T 10:00-10:50  
 MEETS: AUG 26-DEC 20  
 Section info: <http://courses.chem.iastate.edu/>  
 2493290 58 MWF 2:10-3:00  
 T 11:00-11:50  
 MEETS: AUG 26-DEC 20  
 Section info: <http://courses.chem.iastate.edu/>  
 2493295 59 MWF 2:10-3:00  
 T 12:10-1:00  
 MEETS: AUG 26-DEC 20  
 Section info: <http://courses.chem.iastate.edu/>  
 2493300 60 MWF 2:10-3:00  
 T 12:10-1:00  
 MEETS: AUG 26-DEC 20  
 Section info: <http://courses.chem.iastate.edu/>  
 2493305 61 MWF 2:10-3:00  
 T 1:10-2:00  
 MEETS: AUG 26-DEC 20  
 Section info: <http://courses.chem.iastate.edu/>  
 2493310 62 MWF 2:10-3:00  
 T 1:10-2:00  
 MEETS: AUG 26-DEC 20  
 Section info: <http://courses.chem.iastate.edu/>  
 2493315 63 MWF 2:10-3:00  
 T 2:10-3:00  
 MEETS: AUG 26-DEC 20  
 Section info: <http://courses.chem.iastate.edu/>  
 2493320 64 MWF 2:10-3:00  
 T 3:10-4:00  
 MEETS: AUG 26-DEC 20  
 Section info: <http://courses.chem.iastate.edu/>  
 2493325 65 MWF 2:10-3:00  
 T 3:10-4:00  
 MEETS: AUG 26-DEC 20  
 Section info: <http://courses.chem.iastate.edu/>  
 2493330 66 MWF 2:10-3:00  
 T 4:10-5:00  
 MEETS: AUG 26-DEC 20  
 Section info: <http://courses.chem.iastate.edu/>  
 2493335 67 MWF 2:10-3:00  
 T 4:10-5:00  
 MEETS: AUG 26-DEC 20  
 Section info: <http://courses.chem.iastate.edu/>

ENGINR GEN CHEM LAB CHEM 167L 1 CREDIT  
 Prereq: CREDIT OR ENROLLMENT IN 167  
 Note: COURSE RESTRICTED TO ENGR COLLEGE MAJORS ONLY.  
 CREDIT FOR ONLY ONE OF THE FOLLOWING COURSES MAY BE  
 APPLIED TOWARD GRADUATION: CHEM 163L, CHEM 167L,  
 CHEM 177L, CHEM 177N, CHEM 201L.  
 2494005 1 M 9:00-11:50  
 MEETS: AUG 26-DEC 20  
 Section info: <http://courses.chem.iastate.edu/>  
 2494010 2 M 3:10-6:00PM  
 MEETS: AUG 26-DEC 20  
 Section info: <http://courses.chem.iastate.edu/>  
 2494015 3 T 9:00-11:50  
 MEETS: AUG 26-DEC 20  
 Section info: <http://courses.chem.iastate.edu/>  
 2494020 4 T 12:10-3:00  
 MEETS: AUG 26-DEC 20  
 Section info: <http://courses.chem.iastate.edu/>  
 2494025 5 T 3:10-6:00PM  
 MEETS: AUG 26-DEC 20  
 Section info: <http://courses.chem.iastate.edu/>  
 2494030 6 T 6:10-9:00PM  
 MEETS: AUG 26-DEC 20  
 Section info: <http://courses.chem.iastate.edu/>  
 2494035 7 W 3:10-6:00PM  
 MEETS: AUG 26-DEC 20  
 Section info: <http://courses.chem.iastate.edu/>

## CHEMISTRY

(CONTINUED)

GENERAL CHEMISTRY I CHEM 177 4 CREDITS  
 Prereq: MATH 140 OR H.S. EQUIVALENT, CHEM 50 OR  
 1 YR H.S. CHEM, CR OR ENROLLMENT IN CHEM 177L.  
 CHEM AND BIOCHEM MAJORS MAY CONSIDER TAKING 201.  
 Note: CREDIT FOR ONLY ONE OF THE FOLLOWING COURSES  
 (AND ACCOMPANYING LABS) MAY BE APPLIED TOWARD  
 GRADUATION: CHEM 163, CHEM 167, CHEM 177, CHEM 201.  
 TESTOUT NOT AVAILABLE TO STUDENTS ALSO REGISTERED.  
 Night exams scheduled. For dates go to  
<http://www.registrar.iastate.edu/students/exams/night-exams>.

2495005 1 TR 2:10-3:30  
 R 8:00-8:50  
 MEETS: AUG 26-DEC 20  
 Section info: <http://courses.chem.iastate.edu/>  
 2495010 2 TR 2:10-3:30  
 R 8:00-8:50  
 MEETS: AUG 26-DEC 20  
 Section info: <http://courses.chem.iastate.edu/>  
 2495015 3 TR 2:10-3:30  
 R 9:00-9:50  
 MEETS: AUG 26-DEC 20  
 Section info: <http://courses.chem.iastate.edu/>  
 2495020 4 TR 2:10-3:30  
 R 9:00-9:50  
 MEETS: AUG 26-DEC 20  
 Section info: <http://courses.chem.iastate.edu/>  
 2495025 5 TR 2:10-3:30  
 R 9:00-9:50  
 MEETS: AUG 26-DEC 20  
 Section info: <http://courses.chem.iastate.edu/>  
 2495030 6 TR 2:10-3:30  
 R 10:00-10:50  
 MEETS: AUG 26-DEC 20  
 Section info: <http://courses.chem.iastate.edu/>  
 2495035 7 TR 2:10-3:30  
 R 11:00-11:50  
 MEETS: AUG 26-DEC 20  
 Section info: <http://courses.chem.iastate.edu/>  
 2495040 8 TR 2:10-3:30  
 R 11:00-11:50  
 MEETS: AUG 26-DEC 20  
 Section info: <http://courses.chem.iastate.edu/>  
 2495045 9 TR 2:10-3:30  
 R 11:00-11:50  
 MEETS: AUG 26-DEC 20  
 Section info: <http://courses.chem.iastate.edu/>  
 2495050 10 TR 2:10-3:30  
 R 12:10-1:00  
 MEETS: AUG 26-DEC 20  
 Section info: <http://courses.chem.iastate.edu/>  
 2495055 11 TR 2:10-3:30  
 R 1:10-2:00  
 MEETS: AUG 26-DEC 20  
 Section info: <http://courses.chem.iastate.edu/>  
 2495060 12 TR 2:10-3:30  
 R 1:10-2:00  
 MEETS: AUG 26-DEC 20  
 Section info: <http://courses.chem.iastate.edu/>  
 2495065 13 TR 2:10-3:30  
 R 4:10-5:00  
 MEETS: AUG 26-DEC 20  
 Section info: <http://courses.chem.iastate.edu/>  
 2495070 14 TR 2:10-3:30  
 R 4:10-5:00  
 MEETS: AUG 26-DEC 20  
 Section info: <http://courses.chem.iastate.edu/>  
 2495075 15 MWF 9:00-9:50  
 R 8:00-8:50  
 MEETS: AUG 26-DEC 20  
 Section info: <http://courses.chem.iastate.edu/>  
 2495080 16 MWF 9:00-9:50  
 R 8:00-8:50  
 MEETS: AUG 26-DEC 20  
 Section info: <http://courses.chem.iastate.edu/>  
 2495085 17 MWF 9:00-9:50  
 R 9:00-9:50  
 MEETS: AUG 26-DEC 20  
 Section info: <http://courses.chem.iastate.edu/>  
 2495090 18 MWF 9:00-9:50  
 R 9:00-9:50  
 MEETS: AUG 26-DEC 20  
 Section info: <http://courses.chem.iastate.edu/>  
 2495095 19 MWF 9:00-9:50  
 R 10:00-10:50  
 MEETS: AUG 26-DEC 20  
 Section info: <http://courses.chem.iastate.edu/>  
 2495100 20 MWF 9:00-9:50  
 R 10:00-10:50  
 MEETS: AUG 26-DEC 20  
 Section info: <http://courses.chem.iastate.edu/>  
 2495105 21 MWF 9:00-9:50  
 R 11:00-11:50  
 MEETS: AUG 26-DEC 20  
 Section info: <http://courses.chem.iastate.edu/>  
 2495110 22 MWF 9:00-9:50  
 R 11:00-11:50  
 MEETS: AUG 26-DEC 20  
 Section info: <http://courses.chem.iastate.edu/>  
 2495115 23 MWF 9:00-9:50  
 R 1:10-2:00  
 MEETS: AUG 26-DEC 20  
 Section info: <http://courses.chem.iastate.edu/>  
 2495120 24 MWF 9:00-9:50  
 R 1:10-2:00  
 MEETS: AUG 26-DEC 20

## CHEMISTRY

(CONTINUED)

GENERAL CHEMISTRY I CHEM 177 4 CREDITS  
 Section info: <http://courses.chem.iastate.edu/>  
 2495125 25 MWF 9:00-9:50  
 R 2:10-3:00  
 MEETS: AUG 26-DEC 20

Section info: <http://courses.chem.iastate.edu/>  
 2495130 26 MWF 9:00-9:50  
 R 2:10-3:00  
 MEETS: AUG 26-DEC 20

Section info: <http://courses.chem.iastate.edu/>  
 2495135 27 MWF 9:00-9:50  
 R 3:10-4:00  
 MEETS: AUG 26-DEC 20

Section info: <http://courses.chem.iastate.edu/>  
 2495140 28 MWF 9:00-9:50  
 R 3:10-4:00  
 MEETS: AUG 26-DEC 20

Section info: <http://courses.chem.iastate.edu/>  
 2495145 29 MWF 9:00-9:50  
 R 4:10-5:00  
 MEETS: AUG 26-DEC 20

Section info: <http://courses.chem.iastate.edu/>  
 2495150 30 MWF 11:00-11:50  
 R 8:00-8:50  
 MEETS: AUG 26-DEC 20

Section info: <http://courses.chem.iastate.edu/>  
 2495155 31 MWF 11:00-11:50  
 R 8:00-8:50  
 MEETS: AUG 26-DEC 20

Section info: <http://courses.chem.iastate.edu/>  
 2495160 32 MWF 11:00-11:50  
 R 9:00-9:50  
 MEETS: AUG 26-DEC 20

Section info: <http://courses.chem.iastate.edu/>  
 2495165 33 MWF 11:00-11:50  
 R 9:00-9:50  
 MEETS: AUG 26-DEC 20

Section info: <http://courses.chem.iastate.edu/>  
 2495170 34 MWF 11:00-11:50  
 R 10:00-10:50  
 MEETS: AUG 26-DEC 20

Section info: <http://courses.chem.iastate.edu/>  
 2495175 35 MWF 11:00-11:50  
 R 10:00-10:50  
 MEETS: AUG 26-DEC 20

Section info: <http://courses.chem.iastate.edu/>  
 2495180 36 MWF 11:00-11:50  
 R 11:00-11:50  
 MEETS: AUG 26-DEC 20

Section info: <http://courses.chem.iastate.edu/>  
 2495185 37 MWF 11:00-11:50  
 R 11:00-11:50  
 MEETS: AUG 26-DEC 20

Section info: <http://courses.chem.iastate.edu/>  
 2495190 38 MWF 11:00-11:50  
 R 12:10-1:00  
 MEETS: AUG 26-DEC 20

Section info: <http://courses.chem.iastate.edu/>  
 2495195 39 MWF 11:00-11:50  
 R 12:10-1:00  
 MEETS: AUG 26-DEC 20

Section info: <http://courses.chem.iastate.edu/>  
 2495200 40 MWF 11:00-11:50  
 R 1:10-2:00  
 MEETS: AUG 26-DEC 20

Section info: <http://courses.chem.iastate.edu/>  
 2495205 41 MWF 11:00-11:50  
 R 2:10-3:00  
 MEETS: AUG 26-DEC 20

Section info: <http://courses.chem.iastate.edu/>  
 2495210 42 MWF 11:00-11:50  
 R 2:10-3:00  
 MEETS: AUG 26-DEC 20

Section info: <http://courses.chem.iastate.edu/>  
 2495215 43 MWF 11:00-11:50  
 R 3:10-4:00  
 MEETS: AUG 26-DEC 20

Section info: <http://courses.chem.iastate.edu/>  
 2495220 44 MWF 11:00-11:50  
 R 3:10-4:00  
 MEETS: AUG 26-DEC 20

Section info: <http://courses.chem.iastate.edu/>  
 2495225 45 MWF 11:00-11:50  
 R 4:10-5:00  
 MEETS: AUG 26-DEC 20

Section info: <http://courses.chem.iastate.edu/>  
 2495230 46 MWF 1:10-2:00  
 R 8:00-8:50  
 MEETS: AUG 26-DEC 20

Section info: <http://courses.chem.iastate.edu/>  
 2495235 47 MWF 1:10-2:00  
 R 9:00-9:50  
 MEETS: AUG 26-DEC 20

Section info: <http://courses.chem.iastate.edu/>  
 2495240 48 MWF 1:10-2:00  
 R 9:00-9:50  
 MEETS: AUG 26-DEC 20

Section info: <http://courses.chem.iastate.edu/>  
 2495245 49 MWF 1:10-2:00  
 R 10:00-10:50  
 MEETS: AUG 26-DEC 20

Section info: <http://courses.chem.iastate.edu/>  
 2495250 50 MWF 1:10-2:00  
 R 10:00-10:50  
 MEETS: AUG 26-DEC 20

Section info: <http://courses.chem.iastate.edu/>

## CHEMISTRY

(CONTINUED)

GENERAL CHEMISTRY I CHEM 177 4 CREDITS  
 2495255 51 MWF 1:10-2:00  
 R 11:00-11:50  
 MEETS: AUG 26-DEC 20

Section info: <http://courses.chem.iastate.edu/>  
 2495260 52 MWF 1:10-2:00  
 R 11:00-11:50  
 MEETS: AUG 26-DEC 20

Section info: <http://courses.chem.iastate.edu/>  
 2495265 53 MWF 1:10-2:00  
 R 12:10-1:00  
 MEETS: AUG 26-DEC 20

Section info: <http://courses.chem.iastate.edu/>  
 2495270 54 MWF 1:10-2:00  
 R 12:10-1:00  
 MEETS: AUG 26-DEC 20

Section info: <http://courses.chem.iastate.edu/>  
 2495275 55 MWF 1:10-2:00  
 R 1:10-2:00  
 MEETS: AUG 26-DEC 20

Section info: <http://courses.chem.iastate.edu/>  
 2495280 56 MWF 1:10-2:00  
 R 1:10-2:00  
 MEETS: AUG 26-DEC 20

Section info: <http://courses.chem.iastate.edu/>  
 2495285 57 MWF 1:10-2:00  
 R 2:10-3:00  
 MEETS: AUG 26-DEC 20

Section info: <http://courses.chem.iastate.edu/>  
 2495290 58 MWF 1:10-2:00  
 R 2:10-3:00  
 MEETS: AUG 26-DEC 20

Section info: <http://courses.chem.iastate.edu/>  
 2495295 59 MWF 1:10-2:00  
 R 3:10-4:00  
 MEETS: AUG 26-DEC 20

Section info: <http://courses.chem.iastate.edu/>  
 2495300 60 MWF 1:10-2:00  
 R 3:10-4:00  
 MEETS: AUG 26-DEC 20

Section info: <http://courses.chem.iastate.edu/>

LAB GENERAL CHEM I CHEM 177L 1 CREDIT  
 Prereq: CREDIT OR ENROLLMENT IN 177  
 Note: CHEM 177L MUST BE ACCOMPANIED BY CHEM 177 UNLESS  
 STUDENT ALREADY HAS CREDIT IN 177. CREDIT FOR ONLY  
 ONE OF THE FOLLOWING COURSES MAY BE APPLIED TOWARD  
 GRADUATION: CHEM 163L, CHEM 167L, CHEM 177L,  
 CHEM 177N, CHEM 201L.

2496005 1 M 9:00-11:50  
 MEETS: AUG 26-DEC 20

Section info: <http://courses.chem.iastate.edu/>  
 2496010 2 M 9:00-11:50  
 MEETS: AUG 26-DEC 20

Section info: <http://courses.chem.iastate.edu/>  
 2496015 3 M 9:00-11:50  
 MEETS: AUG 26-DEC 20

Section info: <http://courses.chem.iastate.edu/>  
 2496020 4 M 9:00-11:50  
 MEETS: AUG 26-DEC 20

Section info: <http://courses.chem.iastate.edu/>  
 2496025 5 M 9:00-11:50  
 MEETS: AUG 26-DEC 20

Section info: <http://courses.chem.iastate.edu/>  
 2496030 6 M 12:10-3:00  
 MEETS: AUG 26-DEC 20

Section info: <http://courses.chem.iastate.edu/>  
 2496035 7 M 12:10-3:00  
 MEETS: AUG 26-DEC 20

Section info: <http://courses.chem.iastate.edu/>  
 2496040 8 M 12:10-3:00  
 MEETS: AUG 26-DEC 20

Section info: <http://courses.chem.iastate.edu/>  
 2496045 9 M 12:10-3:00  
 MEETS: AUG 26-DEC 20

Section info: <http://courses.chem.iastate.edu/>  
 2496050 10 M 12:10-3:00  
 MEETS: AUG 26-DEC 20

Section info: <http://courses.chem.iastate.edu/>  
 2496055 11 M 3:10-6:00PM  
 MEETS: AUG 26-DEC 20

Section info: <http://courses.chem.iastate.edu/>  
 2496060 12 M 3:10-6:00PM  
 MEETS: AUG 26-DEC 20

Section info: <http://courses.chem.iastate.edu/>  
 2496065 13 M 3:10-6:00PM  
 MEETS: AUG 26-DEC 20

Section info: <http://courses.chem.iastate.edu/>  
 2496070 14 M 3:10-6:00PM  
 MEETS: AUG 26-DEC 20

Section info: <http://courses.chem.iastate.edu/>  
 2496075 15 M 3:10-6:00PM  
 MEETS: AUG 26-DEC 20

Section info: <http://courses.chem.iastate.edu/>  
 2496080 16 M 6:10-9:00PM  
 MEETS: AUG 26-DEC 20

Section info: <http://courses.chem.iastate.edu/>  
 2496085 17 M 6:10-9:00PM  
 MEETS: AUG 26-DEC 20

Section info: <http://courses.chem.iastate.edu/>  
 2496090 18 M 6:10-9:00PM  
 MEETS: AUG 26-DEC 20

Section info: <http://courses.chem.iastate.edu/>  
 2496095 19 M 6:10-9:00PM  
 MEETS: AUG 26-DEC 20

Section info: <http://courses.chem.iastate.edu/>

## CHEMISTRY

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LAB GENERAL CHEM I CHEM 177L 1 CREDIT  
 2496100 20 T 8:00-10:50  
 MEETS: AUG 26-DEC 20  
 Section info: <http://courses.chem.iastate.edu/>  
 2496105 21 T 8:00-10:50  
 MEETS: AUG 26-DEC 20  
 Section info: <http://courses.chem.iastate.edu/>  
 2496110 22 T 8:00-10:50  
 MEETS: AUG 26-DEC 20  
 Section info: <http://courses.chem.iastate.edu/>  
 2496115 23 T 8:00-10:50  
 MEETS: AUG 26-DEC 20  
 Section info: <http://courses.chem.iastate.edu/>  
 2496120 24 T 8:00-10:50  
 MEETS: AUG 26-DEC 20  
 Section info: <http://courses.chem.iastate.edu/>  
 2496125 25 T 11:00-1:50  
 MEETS: AUG 26-DEC 20  
 Section info: <http://courses.chem.iastate.edu/>  
 2496130 26 T 11:00-1:50  
 MEETS: AUG 26-DEC 20  
 Section info: <http://courses.chem.iastate.edu/>  
 2496135 27 T 11:00-1:50  
 MEETS: AUG 26-DEC 20  
 Section info: <http://courses.chem.iastate.edu/>  
 2496140 28 T 11:00-1:50  
 MEETS: AUG 26-DEC 20  
 Section info: <http://courses.chem.iastate.edu/>  
 2496145 29 T 11:00-1:50  
 MEETS: AUG 26-DEC 20  
 Section info: <http://courses.chem.iastate.edu/>  
 2496150 30 T 3:10-6:00PM  
 MEETS: AUG 26-DEC 20  
 Section info: <http://courses.chem.iastate.edu/>  
 2496155 31 T 3:10-6:00PM  
 MEETS: AUG 26-DEC 20  
 Section info: <http://courses.chem.iastate.edu/>  
 2496160 32 T 3:10-6:00PM  
 MEETS: AUG 26-DEC 20  
 Section info: <http://courses.chem.iastate.edu/>  
 2496165 33 T 3:10-6:00PM  
 MEETS: AUG 26-DEC 20  
 Section info: <http://courses.chem.iastate.edu/>  
 2496170 34 T 3:10-6:00PM  
 MEETS: AUG 26-DEC 20  
 Section info: <http://courses.chem.iastate.edu/>  
 2496175 35 W 9:00-11:50  
 MEETS: AUG 26-DEC 20  
 Section info: <http://courses.chem.iastate.edu/>  
 2496180 36 W 9:00-11:50  
 MEETS: AUG 26-DEC 20  
 Section info: <http://courses.chem.iastate.edu/>  
 2496185 37 W 9:00-11:50  
 MEETS: AUG 26-DEC 20  
 Section info: <http://courses.chem.iastate.edu/>  
 2496190 38 W 9:00-11:50  
 MEETS: AUG 26-DEC 20  
 Section info: <http://courses.chem.iastate.edu/>  
 2496195 39 W 9:00-11:50  
 MEETS: AUG 26-DEC 20  
 Section info: <http://courses.chem.iastate.edu/>  
 2496200 40 W 12:10-3:00  
 MEETS: AUG 26-DEC 20  
 Section info: <http://courses.chem.iastate.edu/>  
 2496205 41 W 12:10-3:00  
 MEETS: AUG 26-DEC 20  
 Section info: <http://courses.chem.iastate.edu/>  
 2496210 42 W 12:10-3:00  
 MEETS: AUG 26-DEC 20  
 Section info: <http://courses.chem.iastate.edu/>  
 2496215 43 W 12:10-3:00  
 MEETS: AUG 26-DEC 20  
 Section info: <http://courses.chem.iastate.edu/>  
 2496220 44 W 12:10-3:00  
 MEETS: AUG 26-DEC 20  
 Section info: <http://courses.chem.iastate.edu/>  
 2496225 45 W 3:10-6:00PM  
 MEETS: AUG 26-DEC 20  
 Section info: <http://courses.chem.iastate.edu/>  
 2496230 46 W 3:10-6:00PM  
 MEETS: AUG 26-DEC 20  
 Section info: <http://courses.chem.iastate.edu/>  
 2496235 47 W 3:10-6:00PM  
 MEETS: AUG 26-DEC 20  
 Section info: <http://courses.chem.iastate.edu/>  
 2496240 48 W 3:10-6:00PM  
 MEETS: AUG 26-DEC 20  
 Section info: <http://courses.chem.iastate.edu/>  
 2496245 49 W 3:10-6:00PM  
 MEETS: AUG 26-DEC 20  
 Section info: <http://courses.chem.iastate.edu/>  
 2496250 50 W 6:10-9:00PM  
 MEETS: AUG 26-DEC 20  
 Section info: <http://courses.chem.iastate.edu/>  
 2496255 51 W 6:10-9:00PM  
 MEETS: AUG 26-DEC 20  
 Section info: <http://courses.chem.iastate.edu/>  
 2496260 52 W 6:10-9:00PM  
 MEETS: AUG 26-DEC 20  
 Section info: <http://courses.chem.iastate.edu/>  
 2496265 53 R 8:00-10:50  
 MEETS: AUG 26-DEC 20  
 Section info: <http://courses.chem.iastate.edu/>  
 2496270 54 R 8:00-10:50  
 MEETS: AUG 26-DEC 20  
 Section info: <http://courses.chem.iastate.edu/>

## CHEMISTRY

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LAB GENERAL CHEM I CHEM 177L 1 CREDIT  
 2496275 55 R 8:00-10:50  
 MEETS: AUG 26-DEC 20  
 Section info: <http://courses.chem.iastate.edu/>  
 2496280 56 R 8:00-10:50  
 MEETS: AUG 26-DEC 20  
 Section info: <http://courses.chem.iastate.edu/>  
 2496285 57 R 8:00-10:50  
 MEETS: AUG 26-DEC 20  
 Section info: <http://courses.chem.iastate.edu/>  
 2496290 58 R 11:00-1:50  
 MEETS: AUG 26-DEC 20  
 Section info: <http://courses.chem.iastate.edu/>  
 2496295 59 R 11:00-1:50  
 MEETS: AUG 26-DEC 20  
 Section info: <http://courses.chem.iastate.edu/>  
 2496300 60 R 11:00-1:50  
 MEETS: AUG 26-DEC 20  
 Section info: <http://courses.chem.iastate.edu/>  
 2496305 61 R 11:00-1:50  
 MEETS: AUG 26-DEC 20  
 Section info: <http://courses.chem.iastate.edu/>  
 2496310 62 R 11:00-1:50  
 MEETS: AUG 26-DEC 20  
 Section info: <http://courses.chem.iastate.edu/>  
 2496315 63 R 3:10-6:00PM  
 MEETS: AUG 26-DEC 20  
 Section info: <http://courses.chem.iastate.edu/>  
 2496320 64 R 3:10-6:00PM  
 MEETS: AUG 26-DEC 20  
 Section info: <http://courses.chem.iastate.edu/>  
 2496325 65 R 3:10-6:00PM  
 MEETS: AUG 26-DEC 20  
 Section info: <http://courses.chem.iastate.edu/>  
 2496330 66 R 3:10-6:00PM  
 MEETS: AUG 26-DEC 20  
 Section info: <http://courses.chem.iastate.edu/>  
 2496335 67 R 3:10-6:00PM  
 MEETS: AUG 26-DEC 20  
 Section info: <http://courses.chem.iastate.edu/>  
 2496340 68 R 6:10-9:00PM  
 MEETS: AUG 26-DEC 20  
 Section info: <http://courses.chem.iastate.edu/>  
 2496345 69 R 6:10-9:00PM  
 MEETS: AUG 26-DEC 20  
 Section info: <http://courses.chem.iastate.edu/>  
 2496350 70 R 6:10-9:00PM  
 MEETS: AUG 26-DEC 20  
 Section info: <http://courses.chem.iastate.edu/>

LAB GENERAL CHEM I CHEM 177N 1 CREDIT  
 Prereq: CREDIT OR ENROLLMENT FOR CREDIT IN CHEM 177. FOR CHEMISTRY AND BIOCHEMISTRY MAJORS  
 Note: CREDIT FOR ONLY ONE OF THE FOLLOWING COURSES MAY BE APPLIED TOWARD GRADUATION: CHEM 163L, CHEM 167L, CHEM 177L, CHEM 177N, CHEM 201L. RESTRICTED TO CHEM, BIOCH, AGBIO MAJORS ONLY.  
 2498005 71 M 9:00-11:50  
 MEETS: AUG 26-DEC 20  
 Section info: <http://courses.chem.iastate.edu/>  
 2498010 72 M 12:10-3:00  
 MEETS: AUG 26-DEC 20  
 Section info: <http://courses.chem.iastate.edu/>  
 2498015 73 M 3:10-6:00PM  
 MEETS: AUG 26-DEC 20  
 Section info: <http://courses.chem.iastate.edu/>  
 2498020 74 M 6:10-9:00PM  
 MEETS: AUG 26-DEC 20  
 Section info: <http://courses.chem.iastate.edu/>  
 2498025 75 T 9:00-11:50  
 MEETS: AUG 26-DEC 20  
 Section info: <http://courses.chem.iastate.edu/>  
 2498030 76 T 12:10-3:00  
 MEETS: AUG 26-DEC 20  
 Section info: <http://courses.chem.iastate.edu/>  
 2498035 77 T 3:10-6:00PM  
 MEETS: AUG 26-DEC 20  
 Section info: <http://courses.chem.iastate.edu/>  
 2498040 78 T 6:10-9:00PM  
 MEETS: AUG 26-DEC 20  
 Section info: <http://courses.chem.iastate.edu/>

GENERAL CHEMISTRY II CHEM 178 3 CREDITS  
 Prereq: CHEM 177, CHEM 177L  
 Note: TESTOUT NOT AVAILABLE TO STUDENTS ALSO REGISTERED  
 Night exams scheduled. For dates go to <http://www.registrar.iastate.edu/students/exams/night-exams>.  
 2499005 1 TR 11:00-11:50  
 F 8:00-8:50  
 MEETS: AUG 26-DEC 20  
 Section info: <http://courses.chem.iastate.edu/>  
 2499010 2 TR 11:00-11:50  
 F 8:00-8:50  
 MEETS: AUG 26-DEC 20  
 Section info: <http://courses.chem.iastate.edu/>  
 2499015 3 TR 11:00-11:50  
 F 9:00-9:50  
 MEETS: AUG 26-DEC 20  
 Section info: <http://courses.chem.iastate.edu/>  
 2499016 4 TR 11:00-11:50  
 F 9:00-9:50  
 MEETS: AUG 26-DEC 20  
 Section info: <http://courses.chem.iastate.edu/>

## CHEMISTRY

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GENERAL CHEMISTRY II CHEM 178 3 CREDITS  
 2499017 5 TR 11:00-11:50  
 F 10:00-10:50  
 MEETS: AUG 26-DEC 20  
 Section info: <http://courses.chem.iastate.edu/>  
 2499013 6 TR 11:00-11:50  
 F 10:00-10:50  
 MEETS: AUG 26-DEC 20  
 Section info: <http://courses.chem.iastate.edu/>  
 2499020 7 TR 11:00-11:50  
 F 11:00-11:50  
 MEETS: AUG 26-DEC 20  
 Section info: <http://courses.chem.iastate.edu/>  
 2499025 8 TR 11:00-11:50  
 F 11:00-11:50  
 MEETS: AUG 26-DEC 20  
 Section info: <http://courses.chem.iastate.edu/>  
 2499030 9 TR 11:00-11:50  
 F 12:10-1:00  
 MEETS: AUG 26-DEC 20  
 Section info: <http://courses.chem.iastate.edu/>  
 2499035 10 TR 11:00-11:50  
 F 12:10-1:00  
 MEETS: AUG 26-DEC 20  
 Section info: <http://courses.chem.iastate.edu/>  
 2499040 11 TR 11:00-11:50  
 F 2:10-3:00  
 MEETS: AUG 26-DEC 20  
 Section info: <http://courses.chem.iastate.edu/>  
 2499045 12 MW 1:10-2:00  
 F 8:00-8:50  
 MEETS: AUG 26-DEC 20  
 Section info: <http://courses.chem.iastate.edu/>  
 2499050 13 MW 1:10-2:00  
 F 9:00-9:50  
 MEETS: AUG 26-DEC 20  
 Section info: <http://courses.chem.iastate.edu/>  
 2499055 14 MW 1:10-2:00  
 F 10:00-10:50  
 MEETS: AUG 26-DEC 20  
 Section info: <http://courses.chem.iastate.edu/>  
 2499060 15 MW 1:10-2:00  
 F 11:00-11:50  
 MEETS: AUG 26-DEC 20  
 Section info: <http://courses.chem.iastate.edu/>  
 2499065 16 MW 1:10-2:00  
 F 12:10-1:00  
 MEETS: AUG 26-DEC 20  
 Section info: <http://courses.chem.iastate.edu/>  
 2499070 17 MW 1:10-2:00  
 F 1:10-2:00  
 MEETS: AUG 26-DEC 20  
 Section info: <http://courses.chem.iastate.edu/>  
 2499075 18 MW 1:10-2:00  
 F 2:10-3:00  
 MEETS: AUG 26-DEC 20  
 Section info: <http://courses.chem.iastate.edu/>  
 2499080 19 MW 1:10-2:00  
 F 3:10-4:00  
 MEETS: AUG 26-DEC 20  
 Section info: <http://courses.chem.iastate.edu/>

LAB GENERAL CHEM II CHEM 178L 1 CREDIT  
 Prereq: CHEM 177L AND CREDIT OR ENROLLMENT  
 IN CHEM 178  
 2500005 1 M 9:00-11:50  
 MEETS: AUG 26-DEC 20  
 Section info: <http://courses.chem.iastate.edu/>  
 2500010 2 M 12:10-3:00  
 MEETS: AUG 26-DEC 20  
 Section info: <http://courses.chem.iastate.edu/>  
 2500015 3 M 3:10-6:00PM  
 MEETS: AUG 26-DEC 20  
 Section info: <http://courses.chem.iastate.edu/>  
 2500020 4 M 6:10-9:00PM  
 MEETS: AUG 26-DEC 20  
 Section info: <http://courses.chem.iastate.edu/>  
 2500025 5 T 8:00-10:50  
 MEETS: AUG 26-DEC 20  
 Section info: <http://courses.chem.iastate.edu/>  
 2500030 6 T 12:10-3:00  
 MEETS: AUG 26-DEC 20  
 Section info: <http://courses.chem.iastate.edu/>  
 2500035 7 T 3:10-6:00PM  
 MEETS: AUG 26-DEC 20  
 Section info: <http://courses.chem.iastate.edu/>  
 2500040 8 T 6:10-9:00PM  
 MEETS: AUG 26-DEC 20  
 Section info: <http://courses.chem.iastate.edu/>  
 2500045 9 W 9:00-11:50  
 MEETS: AUG 26-DEC 20  
 Section info: <http://courses.chem.iastate.edu/>  
 2500050 10 W 12:10-3:00  
 MEETS: AUG 26-DEC 20  
 Section info: <http://courses.chem.iastate.edu/>  
 2500055 11 W 3:10-6:00PM  
 MEETS: AUG 26-DEC 20  
 Section info: <http://courses.chem.iastate.edu/>  
 2500060 12 R 8:00-10:50  
 MEETS: AUG 26-DEC 20  
 Section info: <http://courses.chem.iastate.edu/>  
 2500065 13 R 8:00-10:50  
 MEETS: AUG 26-DEC 20  
 Section info: <http://courses.chem.iastate.edu/>  
 2500070 14 R 12:10-3:00  
 MEETS: AUG 26-DEC 20

## CHEMISTRY

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LAB GENERAL CHEM II CHEM 178L 1 CREDIT  
 Section info: <http://courses.chem.iastate.edu/>  
 2500075 15 R 12:10-3:00  
 MEETS: AUG 26-DEC 20  
 Section info: <http://courses.chem.iastate.edu/>  
 2500080 16 R 3:10-6:00PM  
 MEETS: AUG 26-DEC 20  
 Section info: <http://courses.chem.iastate.edu/>  
 2500085 17 R 3:10-6:00PM  
 MEETS: AUG 26-DEC 20  
 Section info: <http://courses.chem.iastate.edu/>

ADV GENERAL CHEM CHEM 201 5 CREDITS  
 Prereq: CREDIT OR ENROLLMENT IN MATH 165, ONE  
 YEAR OF HIGH SCHOOL CHEMISTRY, ONE YEAR HIGH SCHOOL  
 PHYSICS OR ADVANCED CHEMISTRY. CONCURRENT ENROLLMENT  
 IN CHEM 201L.  
 Note: FOR CHEMISTRY, BIOCHEMISTRY, AND CHEMICAL ENGR  
 MAJORS. CREDIT FOR ONLY ONE OF THE FOLLOWING COURSES  
 (AND ACCOMPANYING LABS) MAY BE APPLIED TOWARD  
 GRADUATION: CHEM 163, CHEM 167, CHEM 177, CHEM 201.  
 2353005 1 MTWR 1:10-2:00  
 F 1:10-2:00  
 MEETS: AUG 26-DEC 20  
 Section info: <http://courses.chem.iastate.edu/>  
 2353010 2 MTWR 1:10-2:00  
 F 1:10-2:00  
 MEETS: AUG 26-DEC 20  
 Section info: <http://courses.chem.iastate.edu/>  
 2353015 3 MTWR 1:10-2:00  
 F 1:10-2:00  
 MEETS: AUG 26-DEC 20  
 Note: SECTION 3 RESTRICTED TO CHEM MAJORS ONLY  
 Section info: <http://courses.chem.iastate.edu/>  
 2353020 4 MTWR 1:10-2:00  
 F 1:10-2:00  
 MEETS: AUG 26-DEC 20  
 Section info: <http://courses.chem.iastate.edu/>

LAB ADV GENRL CHEM CHEM 201L 1 CREDIT  
 Prereq: CREDIT OR ENROLLMENT FOR CREDIT IN 201  
 Note: CREDIT FOR ONLY ONE OF THE FOLLOWING COURSES  
 MAY BE APPLIED TOWARD GRADUATION: CHEM 163L,  
 CHEM 167L, CHEM 177L, CHEM 177N, CHEM 201L  
 7733005 1 M 9:00-11:50  
 MEETS: AUG 26-DEC 20  
 Section info: <http://courses.chem.iastate.edu/>  
 7733010 2 T 9:00-11:50  
 MEETS: AUG 26-DEC 20  
 Section info: <http://courses.chem.iastate.edu/>  
 7733015 3 W 9:00-11:50  
 MEETS: AUG 26-DEC 20  
 Section info: <http://courses.chem.iastate.edu/>  
 7733020 4 R 9:00-11:50  
 MEETS: AUG 26-DEC 20  
 Section info: <http://courses.chem.iastate.edu/>  
 7733025 5 F 9:00-11:50  
 MEETS: AUG 26-DEC 20  
 Section info: <http://courses.chem.iastate.edu/>

QUANT&ENVIRO ANALYS CHEM 211 2 CREDITS  
 Prereq: CHEM 163 AND CHEM 163L, CHEM 201  
 AND CHEM 201L; OR CREDIT OR ENROLLMENT IN CHEM 178;  
 AND CONCURRENT ENROLLMENT IN CHEM 211L  
 2503005 1 MW 11:00-11:50  
 MEETS: AUG 26-DEC 20  
 Section info: <http://courses.chem.iastate.edu/>

QNT&ENVIRO ANALY LAB CHEM 211L 2 CREDITS  
 Prereq: CREDIT OR ENROLLMENT IN CHEM 211  
 3678005 1 MW 12:10-3:00  
 MEETS: AUG 26-DEC 20  
 Section info: <http://courses.chem.iastate.edu/>  
 3678010 2 TR 9:00-11:50  
 MEETS: AUG 26-DEC 20  
 Section info: <http://courses.chem.iastate.edu/>  
 3678015 3 TR 12:10-3:00  
 MEETS: AUG 26-DEC 20  
 Section info: <http://courses.chem.iastate.edu/>  
 3678020 4 TR 3:10-6:00PM  
 MEETS: AUG 26-DEC 20  
 Section info: <http://courses.chem.iastate.edu/>

ELEM ORGANIC CHEM CHEM 231 3 CREDITS  
 Prereq: 163,163L, OR 177,177L; CR OR ENR IN 231L  
 Note: CREDIT FOR EITHER CHEM 231 OR BBME 221, BUT NOT  
 BOTH, MAY BE APPLIED TOWARD GRADUATION. CREDIT FOR  
 EITHER CHEM 231 (AND 231L) OR CHEM 331 (AND 331L),  
 BUT NOT BOTH, MAY BE APPLIED TOWARD GRADUATION.  
 2504005 1 MWF 11:00-11:50  
 MEETS: AUG 26-DEC 20

ELEM ORGNC CHEM LAB CHEM 231L 1 CREDIT  
 Prereq: CREDIT OR ENROLLMENT FOR CREDIT IN 231;  
 163L OR 177L  
 Note: CREDIT FOR ONLY ONE OF THE FOLLOWING COURSES  
 MAY BE APPLIED TOWARD GRADUATION: CHEM 231L,  
 CHEM 331L, CHEM 333L  
 7900005 1 M 8:00-10:50  
 MEETS: AUG 26-DEC 20  
 Section info: <http://courses.chem.iastate.edu/>  
 7900010 2 M 12:10-3:00  
 MEETS: AUG 26-DEC 20  
 Section info: <http://courses.chem.iastate.edu/>  
 7900015 3 M 3:10-6:00PM  
 MEETS: AUG 26-DEC 20

## CHEMISTRY

(CONTINUED)

ELEM ORGNC CHEM LAB CHEM 231L 1 CREDIT  
 Section info: <http://courses.chem.iastate.edu/>  
 7900020 4 M 6:10-9:00PM  
 MEETS: AUG 26-DEC 20  
 Section info: <http://courses.chem.iastate.edu/>  
 7900025 5 T 9:00-11:50  
 MEETS: AUG 26-DEC 20  
 Section info: <http://courses.chem.iastate.edu/>  
 7900030 6 T 12:10-3:00  
 MEETS: AUG 26-DEC 20  
 Section info: <http://courses.chem.iastate.edu/>  
 7900035 7 T 3:10-6:00PM  
 MEETS: AUG 26-DEC 20  
 Section info: <http://courses.chem.iastate.edu/>  
 7900040 8 T 6:10-9:00PM  
 MEETS: AUG 26-DEC 20  
 Section info: <http://courses.chem.iastate.edu/>  
 7900045 9 W 8:00-11:50  
 MEETS: AUG 26-DEC 20  
 Section info: <http://courses.chem.iastate.edu/>

FRESH&SOPH RESEARCH CHEM 299 VAR. CREDITS  
 Prereq: PERMISSION OF STAFF MEMBER WITH WHOM  
 STUDENT PROPOSES TO WORK  
 \*\*\*\*\*  
 SEE DEPT FOR REFERENCE NUMBERS

INSTRUMTL MTH ANALY CHEM 316 2 CREDITS  
 Prereq: 211, 211L, MATH 166, AND CONCURRENT  
 ENROLLMENT IN 316L; PHYS 222 RECOMMENDED  
 2509005 1 MW 11:00-11:50  
 MEETS: AUG 26-DEC 20  
 Section info: <http://courses.chem.iastate.edu/>

INSTRUMN ANALYS LAB CHEM 316L 2 CREDITS  
 Prereq: CREDIT OR ENROLLMENT IN CHEM 316  
 3686005 1 MW 12:10-3:00  
 MEETS: AUG 26-DEC 20  
 Section info: <http://courses.chem.iastate.edu/>  
 3686010 2 MW 3:10-6:00PM  
 MEETS: AUG 26-DEC 20  
 Section info: <http://courses.chem.iastate.edu/>  
 3686015 3 TR 12:10-3:00  
 MEETS: AUG 26-DEC 20  
 Section info: <http://courses.chem.iastate.edu/>  
 3686020 4 TR 3:10-6:00PM  
 MEETS: AUG 26-DEC 20  
 Section info: <http://courses.chem.iastate.edu/>  
 3686025 5 TR 9:00-11:50  
 MEETS: AUG 26-DEC 20

INTR QUANTUM MECHAN CHEM 324 3 CREDITS  
 Prereq: CHEM 178, MATH 166, PHYS 222 RECOMMENDED.  
 5202005 1 MWF 10:00-10:50  
 MEETS: AUG 26-DEC 20  
 Section info: <http://courses.chem.iastate.edu/>  
 5202010 2 MWF 12:10-1:00  
 MEETS: AUG 26-DEC 20  
 Section info: <http://courses.chem.iastate.edu/>

CHEMICAL THERMODYNAM CHEM 325 3 CREDITS  
 Prereq: CHEM 178, MATH 166, PHYS 222 RECOMMENDED.  
 Night exams scheduled. For dates go to  
<http://www.registrar.iastate.edu/students/exams/night-exams>  
 5224005 1 MWF 9:00-9:50  
 MEETS: AUG 26-DEC 20  
 Section info: <http://courses.chem.iastate.edu/>  
 5224010 2 MWF 11:00-11:50  
 MEETS: AUG 26-DEC 20  
 Section info: <http://courses.chem.iastate.edu/>  
 5224015 3 MWF 1:10-2:00  
 MEETS: AUG 26-DEC 20  
 Section info: <http://courses.chem.iastate.edu/>

ORGANIC CHEMISTRY I CHEM 331 3 CREDITS  
 Prereq: CHEM 178 OR CHEM 201, ENROLLMENT IN CHEM  
 331L HIGHLY RECOMMENDED  
 Note: CREDIT FOR EITHER CHEM 331 (AND 331L) OR  
 CHEM 231 (AND 231L), BUT NOT BOTH, MAY BE APPLIED  
 TOWARD GRADUATION  
 2516005 1 MWF 10:00-10:50  
 MEETS: AUG 26-DEC 20  
 Section info: <http://courses.chem.iastate.edu/>  
 2516010 2 TR 2:10-3:30  
 MEETS: AUG 26-DEC 20  
 Section info: <http://courses.chem.iastate.edu/>  
 2516015 3 MWF 10:00-10:50  
 MEETS: AUG 26-DEC 20  
 Note: SECTION 3 RESTRICTED TO CHEM, AGBIO, BIOCH, CH E  
 MAJORS. OTHER STUDENTS WHO ARE PREPARED FOR A MORE  
 FOCUSED PRESENTATION WILL NEED A SIGNATURE FROM THE  
 CHEMISTRY DEPARTMENT TO ADD.  
 Section info: <http://courses.chem.iastate.edu/>

LAB ORGANIC CHEM I CHEM 331L 1 CREDIT  
 Prereq: CHEM 177L; CR OR ENROLLMENT IN CHEM 331  
 Note: CREDIT FOR ONLY ONE OF THE FOLLOWING COURSES  
 MAY BE APPLIED TOWARD GRADUATION: CHEM 231L,  
 CHEM 331L, CHEM 333L  
 5270005 1 M 9:00-11:50  
 MEETS: AUG 26-DEC 20  
 Section info: <http://courses.chem.iastate.edu/>  
 5270010 2 M 12:10-3:00  
 MEETS: AUG 26-DEC 20  
 Section info: <http://courses.chem.iastate.edu/>

## CHEMISTRY

(CONTINUED)

LAB ORGANIC CHEM I CHEM 331L 1 CREDIT  
 5270015 3 M 3:10-6:00PM  
 MEETS: AUG 26-DEC 20  
 Section info: <http://courses.chem.iastate.edu/>  
 5270020 4 M 6:10-9:00PM  
 MEETS: AUG 26-DEC 20  
 Section info: <http://courses.chem.iastate.edu/>  
 5270025 5 T 9:00-11:50  
 MEETS: AUG 26-DEC 20  
 Section info: <http://courses.chem.iastate.edu/>  
 5270030 6 T 12:10-3:00  
 MEETS: AUG 26-DEC 20  
 Section info: <http://courses.chem.iastate.edu/>  
 5270035 7 T 3:10-6:00PM  
 MEETS: AUG 26-DEC 20  
 Section info: <http://courses.chem.iastate.edu/>  
 5270040 8 W 9:00-11:50  
 MEETS: AUG 26-DEC 20  
 Section info: <http://courses.chem.iastate.edu/>  
 5270050 10 W 12:10-3:00  
 MEETS: AUG 26-DEC 20  
 Section info: <http://courses.chem.iastate.edu/>  
 5270055 11 W 3:10-6:00PM  
 MEETS: AUG 26-DEC 20  
 Section info: <http://courses.chem.iastate.edu/>  
 5270060 12 W 6:10-9:00PM  
 MEETS: AUG 26-DEC 20  
 Section info: <http://courses.chem.iastate.edu/>  
 5270065 13 R 9:00-11:50  
 MEETS: AUG 26-DEC 20  
 Section info: <http://courses.chem.iastate.edu/>  
 5270070 14 R 9:00-11:50  
 MEETS: AUG 26-DEC 20  
 Section info: <http://courses.chem.iastate.edu/>  
 5270075 15 R 12:10-3:00  
 MEETS: AUG 26-DEC 20  
 Section info: <http://courses.chem.iastate.edu/>  
 5270080 16 R 3:10-6:00PM  
 MEETS: AUG 26-DEC 20  
 Section info: <http://courses.chem.iastate.edu/>  
 5270085 17 R 6:10-9:00PM  
 MEETS: AUG 26-DEC 20  
 Section info: <http://courses.chem.iastate.edu/>

ORGANIC CHEMISTRY II CHEM 332 3 CREDITS  
 Prereq: CHEM 331. ENROLLMENT IN CHEM 332L HIGHLY  
 RECOMMENDED.  
 2517005 1 MWF 2:10-3:00  
 MEETS: AUG 26-DEC 20  
 Section info: <http://courses.chem.iastate.edu/>

LAB ORGANIC CHEM II CHEM 332L 1 CREDIT  
 Prereq: CHEM 331L, CR OR ENROLLMENT IN CHEM 332  
 Note: CREDIT FOR EITHER CHEM 332L OR CHEM 334L,  
 BUT NOT BOTH, MAY BE APPLIED TOWARD GRADUATION  
 5272005 1 R 12:10-3:00  
 MEETS: AUG 26-DEC 20  
 Section info: <http://courses.chem.iastate.edu/>  
 5272010 2 W 3:10-6:00PM  
 MEETS: AUG 26-DEC 20  
 Section info: <http://courses.chem.iastate.edu/>  
 5272015 3 W 6:10-9:00PM  
 MEETS: AUG 26-DEC 20  
 Section info: <http://courses.chem.iastate.edu/>  
 5272020 4 R 3:10-6:00PM  
 MEETS: AUG 26-DEC 20  
 Section info: <http://courses.chem.iastate.edu/>

LAB ORGANIC CHEM I CHEM 333L 2 CREDITS  
 Prereq: CREDIT OR ENROLLMENT FOR CREDIT IN 331  
 Note: RESTRICTED TO CHEM, BIOCH, BIOPH, AGBIO MAJORS.  
 CREDIT FOR ONLY ONE OF THE FOLLOWING COURSES MAY  
 BE APPLIED TOWARD GRADUATION: CHEM 231L, CHEM 331L,  
 CHEM 333L.  
 5271005 1 MW 12:10-3:00  
 MEETS: AUG 26-DEC 20  
 Section info: <http://courses.chem.iastate.edu/>  
 5271010 2 MW 3:10-6:00PM  
 MEETS: AUG 26-DEC 20  
 Section info: <http://courses.chem.iastate.edu/>  
 5271015 3 MW 6:10-9:00PM  
 MEETS: AUG 26-DEC 20  
 Section info: <http://courses.chem.iastate.edu/>

UNDERGRAD RESEARCH CHEM 399 VAR. CREDITS  
 Prereq: PERMISSION OF INSTRUCTOR WITH WHOM  
 STUDENT PROPOSES TO WORK AND JR OR SR CLASSIFICATION  
 Note: NO MORE THAN 6 TOTAL CREDITS OF CHEM 399 AND  
 CHEM 499 MAY BE APPLIED TOWARD GRADUATION. CREDITS  
 EARNED IN CHEM 399/CHEM 499/CHEM 490 MAY ONLY BE  
 USED TO MEET ONE OF THE ADVANCED COURSE REQUIREMENTS  
 FOR THE B.S. DEGREE.  
 \*\*\*\*\*  
 SEE DEPT FOR REFERENCE NUMBERS

INORGANIC CHEM LAB CHEM 401L 1 CREDIT  
 Prereq: CHEM 402  
 Note: COURSE RESTRICTED TO CHEM MAJORS GRADUATING F2019  
 2524005 1 T 12:10-3:00  
 MEETS: AUG 26-DEC 20  
 2524015 2 T 3:10-6:00PM  
 MEETS: AUG 26-DEC 20

## CHEMISTRY

(CONTINUED)

ADV INORGANIC CHEM CHEM 402 3 CREDITS  
Prereq: 301; 331 RECOMMENDED  
2525005 1 TR 9:30-10:50  
MEETS: AUG 26-DEC 20  
Section info: <http://courses.chem.iastate.edu/>

INDEPENDENT STUDY CHEM 490 VAR. CREDITS  
Prereq: COMPLETION OF 6 CREDITS IN CHEM AT THE  
300 LEVEL OR HIGHER AND INSTRUCTOR PERMISSION  
Note: NO MORE THAN 9 CREDITS OF CHEM 490 MAY BE  
APPLIED TOWARD GRADUATION. CREDITS EARNED IN  
CHEM 399/CHEM 499/CHEM 490 MAY ONLY BE USED TO MEET  
ONE OF THE ADVANCED COURSE REQUIREMENTS FOR THE B.S.  
DEGREE.  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

COOPERATIVE EDUCATN CHEM 498 R CREDIT  
Prereq: PERMISSION OF THE DEPT COOPERATIVE  
EDUCATION COORDINATOR; SENIOR CLASSIFICATION  
4841005 1 ARRANGED  
MEETS: AUG 26-DEC 20

SENIOR RESEARCH CHEM 499 2- 3 CREDITS  
Prereq: PERMISSION OF INSTRUCTOR WITH WHOM  
STUDENT PROPOSES TO WORK; B AVG IN ALL CHEMISTRY,  
PHYSICS, AND MATHEMATICS COURSES  
Note: NO MORE THAN 6 TOTAL CREDITS OF CHEM 399 AND  
CHEM 499 MAY BE APPLIED TOWARD GRADUATION. CREDITS  
EARNED IN CHEM 399/CHEM 499/CHEM 490 MAY ONLY BE  
USED TO MEET ONE OF THE ADVANCED COURSE REQUIREMENTS  
FOR THE B.S. DEGREE.  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

INORGANIC PREPARATNS CHEM 501L 1 CREDIT  
Prereq: 402  
2530005 1 T 12:10-3:00  
MEETS: AUG 26-DEC 20  
Section info: <http://courses.chem.iastate.edu/>  
2530010 2 T 3:10-6:00PM  
MEETS: AUG 26-DEC 20  
Section info: <http://courses.chem.iastate.edu/>

ADV INORGANIC CHEM CHEM 502 3 CREDITS  
Prereq: CHEM 402, RECOMMENDED: CHEM 331.  
8155005 1 TR 9:30-10:50  
MEETS: AUG 26-DEC 20  
Section info: <http://courses.chem.iastate.edu/>

PHYSICAL INORGANIC CHEM 505 3 CREDITS  
Prereq: CHEM 402 OR CHEM 502, CHEM 324  
2532005 1 MWF 11:00-11:50  
MEETS: AUG 26-DEC 20

ADV ANALYTICAL CHEM CHEM 511 3 CREDITS  
Prereq: CHEM 316 AND CHEM 316L  
2536005 1 MWF 8:00-8:50  
MEETS: AUG 26-DEC 20

ELECTROCH MTHD ANLY CHEM 512 3 CREDITS  
Prereq: CHEM 316, CHEM 316L; RECOMMENDED BUT NOT  
REQUIRED CHEM 324, CHEM 322L  
2537005 1 MWF 10:00-10:50  
MEETS: AUG 26-DEC 20

ORGANIC SYNTHESI II CHEM 532 2 CREDITS  
Prereq: 531  
9501005 1 MF 9:00-9:50  
MEETS: AUG 26-DEC 20

PHYS ORGANIC CHEM I CHEM 537 3 CREDITS  
Prereq: 332  
2542005 1 MW 1:30-3:00  
MEETS: AUG 26-DEC 20

FUND QUANTM MECHANIC CHEM 561 4 CREDITS  
Prereq: 324  
2548005 1 MW 10:00-11:50  
MEETS: AUG 26-DEC 20

SPECTRO ID ORG CMPD CHEM 572 3 CREDITS  
Prereq: 332  
2555005 1 TR 2:10-3:00  
S 10:00-11:50  
MEETS: AUG 26-DEC 20

INTRO TO CHEM RSRCH CHEM 579 R CREDIT  
8083005 1 TR 8:00-8:50  
F 12:10-1:00  
MEETS: AUG 26-DEC 20

INTRO COMPU QUANTUM CHEM 580 3 CREDITS  
Prereq: 324  
8438005 1 TR 9:30-10:50  
MEETS: AUG 26-DEC 20

## CHEMISTRY

(CONTINUED)

NONTHESIS RESEARCH CHEM 599 VAR. CREDITS  
Prereq: PERMISSION OF INSTRUCTOR  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

SEMINR INORGNC CHEM CHEM 600 1 CREDIT  
Prereq: PERMISSION OF INSTRUCTOR  
2563005 1 W 4:10-5:30  
MEETS: AUG 26-DEC 20

SEMINR ANALYTIC CHEM CHEM 611 1 CREDIT  
Prereq: PERMISSION OF INSTRUCTOR  
2565005 1 F 2:30-4:00  
MEETS: AUG 26-DEC 20

SEMINR ORGANIC CHEM CHEM 631 1 CREDIT  
Prereq: PERMISSION OF INSTRUCTOR  
2566005 1 F 1:10-2:30  
MEETS: AUG 26-DEC 20

SEMINR PHYSICAL CHEM CHEM 660 1 CREDIT  
Prereq: PERMISSION OF INSTRUCTOR  
2568005 1 F 4:10-5:30  
MEETS: AUG 26-DEC 20

RESEARCH CHEM 699 VAR. CREDITS  
Prereq: PERMISSION OF INSTRUCTOR  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

## CHINESE

ELEM MAND CHINESE I CHIN 101 4 CREDITS  
Note: TESTOUT NOT AVAILABLE IF ALSO REGISTERED  
7373005 1 MTWR 10:00-10:50  
MEETS: AUG 26-DEC 20  
7373010 2 MTWR 11:00-11:50  
MEETS: AUG 26-DEC 20  
7373015 3 MTWR 12:10-1:00  
MEETS: AUG 26-DEC 20  
Note: SEC 3 HYBRID. VIRTUAL CLASS ONE DAY PER WEEK

INTMD MAND CHINES I CHIN 201 4 CREDITS  
Prereq: 102  
Note: TESTOUT NOT AVAILABLE IF ALSO REGISTERED  
Meets international perspectives reqmt  
7767005 1 MTWR 11:00-11:50  
ARRANGED  
MEETS: AUG 26-DEC 20  
Note: HYBRID COURSE. VIRTUAL CLASS ONE DAY PER WEEK.

ADV MANDARIN CHIN I CHIN 301 3 CREDITS  
Prereq: 202 OR EQUIVALENT  
Note: Meets international perspectives reqmt  
6636005 1 TR 2:10-3:30  
MEETS: AUG 26-DEC 20

CHINESE FILM&SOCIET CHIN 378 3 CREDITS  
Prereq: ENGL 150 OR EQUIVALENT  
Note: Meets international perspectives reqmt  
9762005 1 TR 2:10-3:30  
MEETS: AUG 26-DEC 20

SEM TRNSLAT CHI TXT CHIN 403A 3 CREDITS  
Prereq: CHIN 302  
Note: Meets international perspectives reqmt  
9066005 1 TR 11:00-12:20  
MEETS: AUG 26-DEC 20

SMNR READNG CHI TXT CHIN 403C 3 CREDITS  
Note: Meets international perspectives reqmt  
4556005 1 TR 11:00-12:20  
MEETS: AUG 26-DEC 20

INDEPENDENT STUDY CHIN 490 1- 6 CREDITS  
Prereq: 6 CR IN CHINESE; PERMISSION OF DEPT CHAIR  
Note: Permission of department chair required.  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

INTERNSH IN CHINESE CHIN 499 1- 3 CREDITS  
Prereq: 9 CREDITS OF CHINESE AT THE 300 LEVEL;  
PERMISSION OF ADVISER AND WLC INTERNSHIP COORDINATOR  
Note: NO MORE THAN 3 CREDITS IN CHIN 499 MAY BE  
APPLIED TOWARD GRADUATION IN THE CHINESE MINOR  
OR THE LCP MINOR  
Satisfactory-Fail Only.  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

## CIVIL ENGINEERING

INTRO CIVIL ENG PRO C E 105 1 CREDIT  
Note: COURSE RESTRICTED TO C E MAJORS ONLY  
4906005 1 W 3:10-4:00  
MEETS: AUG 26-DEC 20

## CIVIL ENGINEERING

(CONTINUED)

FUND OF SURVEYING I C E 111 3 CREDITS

Prereq: MATH 165, C E 160, CREDIT OR ENROLLMENT  
IN C E 170

Note: COURSE RESTRICTED TO C E, CON E MAJORS ONLY

7242005 1 MF 2:10-3:00  
T 12:10-3:00  
MEETS: AUG 26-DEC 20

7242010 2 MF 2:10-3:00  
W 12:10-3:00  
MEETS: AUG 26-DEC 20

7242015 3 MF 2:10-3:00  
T 8:00-10:50  
MEETS: AUG 26-DEC 20

7242020 4 MF 2:10-3:00  
W 8:00-10:50  
MEETS: AUG 26-DEC 20

7242025 5 MF 2:10-3:00  
R 8:00-10:50  
MEETS: AUG 26-DEC 20

7242030 6 MF 2:10-3:00  
R 2:10-5:00  
MEETS: AUG 26-DEC 20

CIVIL ENGR LRN COMM C E 120 R CREDIT

Satisfactory-Fail Only.

8518005 1 TR 4:10-5:00  
MEETS: AUG 26-DEC 20

ENGR PROB COMPUT LAB C E 160 3 CREDITS

Prereq: CREDIT OR ENROLLMENT IN MATH 165

Note: COURSE RESTRICTED TO C E, CON E MAJORS ONLY.

CREDIT IN ONLY ONE OF THE FOLLOWING COURSES

MAY BE APPLIED TOWARD GRADUATION: M E 160, ENGR 160,  
AER E 160, C E 160, A B E 160, CPR E 185, E E 185,  
S E 185, I E 148, CH E 160

2911005 1 MW 10:00-11:50  
MEETS: AUG 26-DEC 20

2911010 2 TR 3:10-5:00  
MEETS: AUG 26-DEC 20

2911015 3 MW 12:10-2:00  
MEETS: AUG 26-DEC 20

2911020 4 MW 3:10-5:00  
MEETS: AUG 26-DEC 20

CIVIL ENGR GRAPHICS C E 170 2 CREDITS

Note: COURSE RESTRICTED TO C E, CON E MAJORS ONLY

3515005 1 TR 8:00-9:50  
MEETS: AUG 26-DEC 20

3515010 2 TR 12:10-2:00  
MEETS: AUG 26-DEC 20

3515015 3 TR 10:00-11:50  
MEETS: AUG 26-DEC 20

ECON ANALY&amp;PRO ISSU C E 206 3 CREDITS

Prereq: MATH 166, ENGL 250, C E 105.

ECON 101 RECOMMENDED.

Note: COURSE RESTRICTED TO C E MAJORS ONLY

1915005 1 MWF 1:10-2:00  
MEETS: AUG 26-DEC 20

PROJECT MANAGMNT CE C E 306 3 CREDITS

Prereq: ENGL 250, C E 105

4943005 1 MW 3:10-4:00  
R 8:00-10:50  
MEETS: AUG 26-DEC 20

4943010 2 MW 3:10-4:00  
T 8:00-10:50  
MEETS: AUG 26-DEC 20

4943015 3 MW 3:10-4:00  
R 11:00-1:50  
MEETS: AUG 26-DEC 20

4943020 4 MW 3:10-4:00  
T 11:00-1:50  
MEETS: AUG 26-DEC 20

PRIN ENVIRONMT ENGR C E 326 3 CREDITS

Prereq: CHEM 177 OR 178, MATH 166, CREDIT OR

ENROLLMENT IN E M 378

2284005 1 MF 10:00-10:50  
W 2:10-4:00  
MEETS: AUG 26-DEC 20

2284010 2 MF 10:00-10:50  
W 10:00-11:50  
MEETS: AUG 26-DEC 20

2284015 3 MF 10:00-10:50  
T 12:10-2:00  
MEETS: AUG 26-DEC 20

STRUCTURAL ANALYS I C E 332 3 CREDITS

Prereq: E M 324

Night exams scheduled. For dates go to

<http://www.registrar.iastate.edu/students/exams/>

night-exams.

2285005 1 MWF 1:10-2:00  
W 2:10-3:00  
MEETS: AUG 26-DEC 20

2285010 2 MWF 1:10-2:00  
F 2:10-3:00  
MEETS: AUG 26-DEC 20

2285015 3 M 8:00-8:50  
WF 8:00-8:50  
W 9:00-9:50  
MEETS: AUG 26-DEC 20

## CIVIL ENGINEERING

(CONTINUED)

STRUCTURAL ANALYS I C E 332 3 CREDITS

2285020 4 M 8:00-8:50  
WF 8:00-8:50  
F 9:00-9:50  
MEETS: AUG 26-DEC 20

STRUCT STEEL DSGN I C E 333 3 CREDITS

Prereq: 332, E M 327

Night exams scheduled. For dates go to

<http://www.registrar.iastate.edu/students/exams/>

night-exams.

2286005 1 MWF 8:00-8:50  
R 9:30-10:20  
MEETS: AUG 26-DEC 20

2286010 2 MWF 12:10-1:00  
T 8:00-8:50  
MEETS: AUG 26-DEC 20

2286015 3 MWF 12:10-1:00  
T 8:00-8:50  
MEETS: AUG 26-DEC 20

REIN CONCRETE DSN I C E 334 3 CREDITS

Prereq: 332, E M 327

Night exams scheduled. For dates go to

<http://www.registrar.iastate.edu/students/exams/>

night-exams.

2287005 1 MWF 1:10-2:00  
W 12:10-1:00  
MEETS: AUG 26-DEC 20

2287010 2 TR 8:00-9:15  
R 9:30-10:20  
MEETS: AUG 26-DEC 20

2287015 3 MWF 1:10-2:00  
W 12:10-1:00  
MEETS: AUG 26-DEC 20

PRIN TRANSPORTN ENG C E 355 3 CREDITS

Prereq: C E 111

2924005 1 TR 3:40-4:55  
MEETS: AUG 26-DEC 20

GEOTECHNICL ENGNRNG C E 360 3 CREDITS

Prereq: E M 324, CREDIT OR ENROLLMENT IN GEOL 201

Note: COURSE RESTRICTED TO ENGINEERING COLLEGE MAJORS

Night exams scheduled. For dates go to

<http://www.registrar.iastate.edu/students/exams/>

night-exams.

2291005 1 MF 12:10-1:00  
T 8:00-10:50  
MEETS: AUG 26-DEC 20

2291010 2 MF 12:10-1:00  
T 12:10-3:00  
MEETS: AUG 26-DEC 20

2291015 3 MF 12:10-1:00  
R 8:00-10:50  
MEETS: AUG 26-DEC 20

2291020 4 MF 12:10-1:00  
R 12:10-3:00  
MEETS: AUG 26-DEC 20

2291025 5 MF 12:10-1:00  
R 3:10-6:00PM  
MEETS: AUG 26-DEC 20

2291030 6 MF 12:10-1:00  
W 3:10-6:00PM  
MEETS: AUG 26-DEC 20

ENGR HYDROL&amp;HYDRAUL C E 372 3 CREDITS

Prereq: E M 378, A COURSE IN STATISTICS FROM

THE APPROVED DEPARTMENT LIST

2293005 1 MF 9:00-9:50  
W 9:00-9:50  
MEETS: AUG 26-DEC 20

DESIGN OF CONCRETES C E 382 3 CREDITS

Prereq: E M 274

Note: CREDIT IN C E 382 OR C E 383, BUT NOT BOTH,

MAY BE APPLIED TOWARD GRADUATION

2294005 1 MF 2:10-3:00  
T 8:00-10:50  
MEETS: AUG 26-DEC 20

2294010 2 MF 2:10-3:00  
T 12:10-3:00  
MEETS: AUG 26-DEC 20

2294015 3 MF 2:10-3:00  
R 12:10-3:00  
MEETS: AUG 26-DEC 20

2294020 4 MF 2:10-3:00  
R 8:00-10:50  
MEETS: AUG 26-DEC 20

2294025 5 MF 2:10-3:00  
W 2:10-5:00  
MEETS: AUG 26-DEC 20

2294030 6 MF 2:10-3:00  
F 3:10-6:00PM  
MEETS: AUG 26-DEC 20

2294035 7 MF 2:10-3:00  
M 3:10-6:00PM  
MEETS: AUG 26-DEC 20



## CIVIL ENGINEERING (CONTINUED)

DSGN PORTLAND CEMNT C E 383 1 CREDIT  
Prereq: E M 274  
Note: CREDIT IN C E 382 OR C E 383, BUT NOT BOTH,  
MAY BE APPLIED TOWARD GRADUATION

9480005 1 T 3:40-5:30  
MEETS: AUG 26-DEC 20

9480010 2 R 3:40-5:30  
MEETS: AUG 26-DEC 20

SUSTNBL E&INT'L DEV C E 388 3 CREDITS  
Prereq: JUNIOR CLASSIFICATION IN ENGINEERING  
Note: COURSE RESTRICTED TO COLLEGE OF ENGINEERING  
JUNIORS AND SENIORS  
Meets international perspectives reqmt

8096005 1 MW 3:10-4:00  
T 4:10-6:00PM  
MEETS: AUG 26-DEC 20

COOPERATIVE EDUC C E 398 R CREDIT  
Prereq: PERMISSION OF DEPARTMENT AND ENGINEERING  
CAREER SERVICES  
Satisfactory-Fail Only.  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

PROG&OUTCOME ASSESS C E 403 R CREDIT  
Prereq: VERIFICATION OF UNDERGRAD APPLICATION FOR  
GRADUATION BY THE END OF THE FIRST WEEK OF CLASS,  
INSTR PERMISSION FOR STUDENTS GRADUATING SUMMER.  
Note: COURSE RESTRICTED TO STUDENTS GRADUATING FALL  
2019  
Satisfactory-Fail Only.

7351005 1 M 5:10-6:00PM  
MEETS: OCT 21-DEC 20

7351010 2 M 5:10-6:00PM  
MEETS: OCT 21-DEC 20

ENVIRONMT ENGR CHEM C E 420 3 CREDITS  
Prereq: C E 326, CHEM 178

9459005 1 WF 11:00-11:50  
R 12:40-3:30  
MEETS: AUG 26-DEC 20

ENVIRNMTL BIOTECHNOL C E 421 3 CREDITS  
Prereq: C E 326

9476005 1 T 9:00-10:50  
R 9:00-10:50  
MEETS: AUG 26-DEC 20

URB TRNSPRT PLN MOD C E 451 3 CREDITS  
Prereq: C E 355; STAT 101 OR STAT 105

2301005 1 T 9:30-10:45  
R 11:00-12:30  
MEETS: AUG 26-DEC 20

HIGHWAY DESIGN C E 453 3 CREDITS  
Prereq: C E 306, C E 355

2302005 1 MW 9:00-9:50  
R 2:10-4:00  
MEETS: AUG 26-DEC 20

2302010 2 MW 9:00-9:50  
R 4:10-6:00PM  
MEETS: AUG 26-DEC 20

FOUNDATION ENGINEER C E 460 3 CREDITS  
Prereq: 360

2303005 1 MWF 2:10-3:00  
MEETS: AUG 26-DEC 20

GRNDWATER HYDROLOGY C E 473 3 CREDITS  
Prereq: C E 372

1937005 1 MWF 10:00-10:50  
MEETS: AUG 26-DEC 20

CIVIL ENGINR DESIGN C E 485 3 CREDITS  
Prereq: C E 206, C E 306, C E 326, C E 333 OR C E  
334, C E 355, C E 360, C E 372, C E 382, SP CM 212.  
ENROLLMENT LIMITED TO SEMESTER OF GRADUATION.  
Note: COURSE RESTRICTED TO STUDENTS GRADUATING  
FALL 2019

2131005 1 MF 12:10-1:00  
T 11:00-1:00  
MEETS: AUG 26-DEC 20

2131010 2 MF 12:10-1:00  
T 3:10-5:00  
MEETS: AUG 26-DEC 20

SUS CIVIL INFRAS SY C E 488 3 CREDITS  
Prereq: JUNIOR OR HIGHER CLASSIFICATION IN  
ENGINEERING OR SCIENCE

9518005 1 MWF 1:10-2:00  
MEETS: AUG 26-DEC 20

PAVEMNT PRSRV&REHAB C E 489 3 CREDITS

9761005 1 MWF 1:10-2:00  
MEETS: AUG 26-DEC 20

## CIVIL ENGINEERING (CONTINUED)

INDEPENDENT STUDY C E 490 1- 3 CREDITS  
Prereq: PERMISSION OF INSTRUCTOR  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

INDEP STUDY HONORS C E 490H 1- 3 CREDITS  
Prereq: PERMISSION OF INSTRUCTOR, MEMBERSHIP IN  
THE HONORS PROGRAM  
Note: COURSE RESTRICTED TO STUDENTS IN THE UNIVERSITY  
HONORS PROGRAM ONLY  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

PRECONSTR ENGR &MGT C E 501 3 CREDITS  
Prereq: CREDIT OR ENROLLMENT IN CON E 422  
OR C E 306 OR GRADUATE STANDING

8714005 1 M 11:00-1:00, ARRANGED  
MEETS: AUG 26-DEC 20

8714010 2 M 11:00-1:00  
M 8:10-9:00PM  
MEETS: AUG 26-DEC 20

DESIGN CONSTRUC SYS C E 505 3 CREDITS  
Prereq: C E 333, C E 360, CON E 322, CON E 340;  
OR GRADUATE STANDING

1947005 1 M 5:10-8:00PM  
MEETS: AUG 26-DEC 20

ENVIRONMT ENGR CHEM C E 520 3 CREDITS  
Prereq: C E 326, CHEM 178

2318005 1 WF 11:00-11:50  
R 12:40-3:30  
MEETS: AUG 26-DEC 20

ENVIRON BIOTECHNOLG C E 521 3 CREDITS  
Prereq: 326

2319005 1 T 9:00-10:50  
R 9:00-10:50  
MEETS: AUG 26-DEC 20  
Section info: <http://www.public.iastate.edu/~tge/courses/ce521/homepage.html>

STRUCTR ANALYSIS II C E 532 3 CREDITS  
Prereq: 332

2325005 1 M 10:00-10:50  
W 10:00-11:50  
MEETS: AUG 26-DEC 20

STRUCT STEEL DSN II C E 533 3 CREDITS  
Prereq: 333

2331005 1 TR 8:00-9:20  
MEETS: AUG 26-DEC 20

PRESTRESS CONCR STR C E 535 3 CREDITS  
Prereq: 334

2328005 1 TR 12:40-2:00  
MEETS: AUG 26-DEC 20

URB TRNSPRT PLN MOD C E 551 3 CREDITS  
Prereq: C E 355; STAT 101 OR STAT 105

2208005 1 T 9:30-10:45  
R 11:00-12:30  
MEETS: AUG 26-DEC 20

TRAFFIC ENGINEERING C E 553 3 CREDITS  
Prereq: 355

2336005 1 MW 3:10-4:30  
MEETS: AUG 26-DEC 20

SITE EVAL FOR PROJ C E 562 3 CREDITS  
Prereq: 360

4871005 1 MW 11:00-11:50  
T 3:10-6:00PM  
MEETS: AUG 26-DEC 20

FUND GEOMATLS BEHAV C E 565 3 CREDITS  
Prereq: 382

2351005 1 MW 8:00-8:50  
M 3:10-6:00PM  
MEETS: AUG 26-DEC 20

GRNDWATER HYDROLOGY C E 573 3 CREDITS  
Prereq: 372

2345005 1 MWF 10:00-10:50  
MEETS: AUG 26-DEC 20

GEOTECH&MAT ENG SEM C E 581 R CREDIT  
Prereq: GRADUATE CLASSIFICATION  
Satisfactory-Fail Only.

2655005 1 W 12:10-1:50  
MEETS: AUG 26-DEC 20

SUST HORIZTL INFRAS C E 588 3 CREDITS  
Prereq: JUNIOR OR HIGHER CLASSIFICATION IN  
ENGINEERING OR SCIENCE

5119005 1 MWF 1:10-2:00  
MEETS: AUG 26-DEC 20

## CIVIL ENGINEERING (CONTINUED)

PAVEMNT PRSRV&REHAB C E 589 3 CREDITS  
Prereq: C E 382  
9745005 1 MWF 1:10-2:00  
MEETS: AUG 26-DEC 20

SPECIAL TOPICS C E 590 1- 5 CREDITS  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

SEMINAR ENVIR ENGR C E 591 R CREDIT  
Prereq: GRADUATE CLASSIFICATION  
Satisfactory-Fail Only.  
1658005 1 T 11:00-11:50  
MEETS: AUG 26-DEC 20

SPL TOP CONSTR PLAN C E 594A 3 CREDITS  
Prereq: C E 306 OR GRADUATE STANDING  
Note: CREDIT MAY NOT BE APPLIED FOR GRADUATION FOR  
CONSTRUCTION ENGINEERING UNDERGRADUATE STUDENTS.  
INSTRUCTOR PERMISSION REQUIRED TO REGISTER  
ARRANGED REPRESENTS ONLINE COURSE DELIVERY  
AND COURSEWORK.  
2925005 1 ARRANGED  
MEETS: AUG 26-DEC 20

RSRCH MTDS SEM:QUAL C E 595A 1 CREDIT  
Prereq: GRADUATE STANDING OR INSTRUCTOR PERMISSN  
Note: MEETS ALTERNATING WEEKS  
4616005 1 M 2:10-4:00  
MEETS: REVISE DATES

CREATIVE COMPONENT C E 599 1- 3 CREDITS  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

ADVANCED TOPICS C E 690 1- 3 CREDITS  
Prereq: PRE-ENROLLMENT CONTRACT REQUIRED  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

ENGINEER INTERNSHIP C E 697 R CREDIT  
Prereq: PERMISSION OF COOP ADVISER, GRAD CLASSIF  
Note: Department permission required.  
Satisfactory-Fail Only.  
7416005 1 ARRANGED  
MEETS: AUG 26-DEC 20

RESEARCH C E 699 VAR. CREDITS  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

## CLASSICAL STUDIES

GREEK & ROMAN MYTHOL CL ST 273 3 CREDITS  
Note: Meets international perspectives reqmt  
2586005 1 MWF 11:00-11:50  
MEETS: AUG 26-DEC 20  
2586010 2 MWF 1:10-2:00  
MEETS: AUG 26-DEC 20  
Note: SEC 2 RESTRICTED TO INCOMING  
FRESHMAN ONLY

THE ANCIENT CITY CL ST 275 3 CREDITS  
Note: Meets international perspectives reqmt  
4315005 1 TR 9:30-10:45  
MEETS: AUG 26-DEC 20

ANCIENT PHILOSOPHY CL ST 310 3 CREDITS  
Prereq: PHIL 201  
2584005 1 MWF 9:00-9:50  
MEETS: AUG 26-DEC 20

GREEK&ROM TRAG&CMDY CL ST 372 3 CREDITS  
Prereq: 273 OR 275 OR ONE COURSE IN LATIN OR  
GREEK OR ENGL 250  
Note: Meets international perspectives reqmt  
2587005 1 MWF 11:00-11:50  
MEETS: AUG 26-DEC 20

HERO GREECE, RM, TDAY CL ST 373 3 CREDITS  
Prereq: CL ST 273 OR CL ST 275 OR ONE COURSE  
IN LATIN OR GREEK OR ENGL 250  
Note: Meets international perspectives reqmt  
8792005 1 MWF 10:00-10:50  
MEETS: AUG 26-DEC 20

GRK ARCHAE:TO 700BC CL ST 376A 3 CREDITS  
Note: Meets international perspectives reqmt  
2916005 1 MWF 1:10-2:00  
MEETS: AUG 26-DEC 20

GREEK CIVILIZATION CL ST 402 3 CREDITS  
Prereq: SOPHOMORE CLASSIFICATION  
Note: COURSE RESTRICTED TO SOPHOMORES AND ABOVE  
Instructor permission required 1st week.  
2589005 1 MW 3:10-4:30 HOLLANDER D  
MEETS: AUG 26-DEC 20

## CLASSICAL STUDIES (CONTINUED)

INDEPENDENT STUDY CL ST 490 1- 6 CREDITS  
Prereq: 7 CR IN CL ST AT 200 LEVEL OR HIGHER;  
PERMISSION OF THE PROGRAM CHAIR  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

## COMMUNICATION STUDIES

INTRO COMMUNIC STDI COMST 101 3 CREDITS  
7918005 1 MWF 11:00-11:50  
MEETS: AUG 26-DEC 20

INTRO INTERPRS COMM COMST 102 3 CREDITS  
Note: SEC 1A,2A ETC RESTRICTED TO COMST MAJORS ONLY  
SEC 1B,2B ETC FOR MAJORS OTHER THAN COMST  
8105005 1A MWF 8:00-8:50  
MEETS: AUG 26-DEC 20  
8105010 1B MWF 8:00-8:50  
MEETS: AUG 26-DEC 20  
8105015 2A TR 2:10-3:30  
MEETS: AUG 26-DEC 20  
8105020 2B TR 2:10-3:30  
MEETS: AUG 26-DEC 20  
8105025 3A MWF 9:00-9:50  
MEETS: AUG 26-DEC 20  
8105030 3B MWF 9:00-9:50  
MEETS: AUG 26-DEC 20  
8105035 4A TR 9:30-10:50  
MEETS: AUG 26-DEC 20  
8105040 4B TR 9:30-10:50  
MEETS: AUG 26-DEC 20

ORIEN COMMUNICA STU COMST 104 1 CREDIT  
Prereq: CLASSIFICATION IN COMMUNICATION STUDIES  
MAJORS  
Satisfactory-Fail Only.  
4301005 1 MW 9:00-9:50  
MEETS: AUG 26-OCT 18

INTRO COM RSRCH MTD COMST 203 3 CREDITS  
Prereq: COMST 101  
Note: COURSE RESTRICTED TO COMST MAJORS. COMST MINORS  
ARE ELIGIBLE TO ADD THIS COURSE, BUT MUST GET AN ADD  
SLIP SIGNED BY THE INSTRUCTOR.  
5123005 1 MWF 9:00-9:50  
MEETS: AUG 26-DEC 20  
5123010 2 TR 2:10-3:30  
MEETS: AUG 26-DEC 20

COMM& U.S. DIVRSITY COMST 210 3 CREDITS  
Note: Meets U.S. diversity reqmt  
7066005 1 TR 9:30-10:50  
MEETS: AUG 26-DEC 20

PROFESSNAL COMMUNIC COMST 214 3 CREDITS  
9183005 1 TR 2:10-3:30  
MEETS: AUG 26-DEC 20

CONFLICT MANAGEMENT COMST 218 3 CREDITS  
7314005 1 TR 8:00-9:20  
MEETS: AUG 26-DEC 20

HUMAN COMMUNIC THRY COMST 301 3 CREDITS  
Prereq: COMST 101  
Note: COURSE RESTRICTED TO COMST MAJORS ONLY  
6593005 1 TR 9:30-10:50  
MEETS: AUG 26-DEC 20  
6593010 2 TR 12:40-2:00  
MEETS: AUG 26-DEC 20

INTERCULTURAL COMM COMST 310 3 CREDITS  
Prereq: COMST 102, COMST 203, COMST 301  
Note: Meets international perspectives reqmt  
7934005 1A TR 3:40-5:00  
MEETS: AUG 26-DEC 20  
Note: SEC 1A RESTRICTED TO COMST MAJORS ONLY  
7934010 1B TR 3:40-5:00  
MEETS: AUG 26-DEC 20  
Note: SEC 1B FOR MAJORS OTHER THAN COMST

STDI INTRPRSNL COMM COMST 311 3 CREDITS  
Prereq: COMST 102, COMST 203, COMST 301  
6428005 1A MWF 10:00-10:50  
MEETS: AUG 26-DEC 20  
Note: SEC 1A RESTRICTED TO COMST MAJORS ONLY  
6428010 1B MWF 10:00-10:50  
MEETS: AUG 26-DEC 20  
Note: SEC 1B FOR MAJORS OTHER THAN COMST

LDRSHIP COMMUN THEOR COMST 313 3 CREDITS  
Prereq: COMST 102, COMST 203, COMST 301  
4305005 1A TR 8:00-9:20  
MEETS: AUG 26-DEC 20  
Note: SEC 1A RESTRICTED TO COMST MAJORS ONLY  
4305010 1B TR 8:00-9:20  
MEETS: AUG 26-DEC 20  
Note: SEC 1B FOR MAJORS OTHER THAN COMST

COMMUNICATION STUDIES (CONTINUED)

ORGANIZATIONAL COMM COMST 314 3 CREDITS  
 Prereq: COMST 102, COMST 203, COMST 301  
 6431005 1A TR 11:00-12:20  
 MEETS: AUG 26-DEC 20  
 Note: SEC 1A RESTRICTED TO COMST MAJORS ONLY  
 6431010 1B TR 11:00-12:20  
 MEETS: AUG 26-DEC 20  
 Note: SEC 1B FOR MAJORS OTHER THAN COMST

SMALL GROUP COMM COMST 317 3 CREDITS  
 Prereq: COMST 102, COMST 203, COMST 301  
 6433005 1A TR 12:40-2:00  
 MEETS: AUG 26-DEC 20  
 Note: SEC 1A RESTRICTED TO COMST MAJORS ONLY  
 6433010 1B TR 12:40-2:00  
 MEETS: AUG 26-DEC 20  
 Note: SEC 1B FOR MAJORS OTHER THAN COMST

NONVERBAL COMMUNIC COMST 325 3 CREDITS  
 Prereq: COMST 102, COMST 203, COMST 301  
 3920005 1A TR 9:30-10:50  
 MEETS: AUG 26-DEC 20  
 Note: SEC 1A RESTRICTED TO COMST MAJORS ONLY  
 3920010 1B TR 9:30-10:50  
 MEETS: AUG 26-DEC 20  
 Note: SEC 1B FOR MAJORS OTHER THAN COMST

CMPTR-MEDIATED COMM COMST 330 3 CREDITS  
 Prereq: COMST 102, COMST 203, COMST 301  
 2385005 1A TR 11:00-12:20  
 MEETS: AUG 26-DEC 20  
 Note: SEC 1A RESTRICTED TO COMST MAJORS ONLY  
 2385010 1B TR 11:00-12:20  
 MEETS: AUG 26-DEC 20  
 Note: SEC 1B FOR MAJORS OTHER THAN COMST

RESEARCH SEMINAR COMST 404 3 CREDITS  
 Prereq: COMST 301 PLUS 3 ADDITIONAL COMMUNICATION  
 STUDIES CLASSES FROM THE FOLLOWING LIST: COMST 310,  
 COMST 311, COMST 313, COMST 314, COMST 317,  
 COMST 319, COMST 325, OR COMST 330  
 Note: COURSE RESTRICTED TO COMST SENIORS  
 2298005 1 TR 12:40-2:00  
 MEETS: AUG 26-DEC 20  
 2298010 2 TR 12:40-2:00  
 MEETS: AUG 26-DEC 20

INDEPENDENT STUDY COMST 490 1- 3 CREDITS  
 Prereq: 9 CREDITS IN COMST, JUNIOR CLASSIFICATION  
 Note: Instructor permission required.  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

RESEARCH PRACTICUM COMST 491 VAR. CREDITS  
 Prereq: COMST 203, COMST 301, AND PERMISSION  
 OF INSTRUCTOR  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

PROFESSNL INTERNSHP COMST 497 1- 3 CREDITS  
 Note: Instructor permission required.  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

RESEARCH SEMINAR COMST 504 3 CREDITS  
 Prereq: GRADUATE STANDING, INSTRUCTOR PERMISSION  
 Note: Instructor permission required.  
 4421005 1 TR 12:40-2:00  
 MEETS: AUG 26-DEC 20

SPECIAL TOPICS COMST 590 1- 4 CREDITS  
 Note: Instructor permission required.  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

**COMMUNITY & REGIONAL PLANNING**

N AMER METROPOLIS C R P 201 3 CREDITS  
 Note: Meets U.S. diversity reqmt  
 2752005 1 MWF 9:00-9:50  
 MEETS: AUG 26-DEC 20  
 Note: SEC 1 RESTRICTED TO C R P MAJORS ONLY  
 2752010 2 MWF 9:00-9:50  
 MEETS: AUG 26-DEC 20  
 Note: SEC 2 RESTRICTED TO MAJORS OTHER THAN C R P

FUND GEOG INFO SYST C R P 251 3 CREDITS  
 9667005 1 MW 10:00-10:50  
 W 4:10-6:00PM  
 MEETS: AUG 26-DEC 20  
 9667010 2 MW 10:00-10:50  
 F 1:10-3:00  
 MEETS: AUG 26-DEC 20  
 9667015 3 MW 10:00-10:50  
 R 9:00-10:50  
 MEETS: AUG 26-DEC 20

ENVIRONMTL PLANNING C R P 293 3 CREDITS  
 Prereq: SOPHOMORE CLASSIFICATION  
 2384005 1 TR 12:40-2:00  
 MEETS: AUG 26-DEC 20

COMMUNITY & REGIONAL PLANNING (CONTINUED)

PRACTICUM C R P 330 1- 3 CREDITS  
 Prereq: MAJOR IN COMMUNITY AND REGIONAL PLANNING  
 Satisfactory-Fail Only.  
 2386005 1 ARRANGED  
 MEETS: AUG 26-DEC 20  
 Note: Department permission required.

PRO PRACTICE SEMINR C R P 331 2 CREDITS  
 Prereq: C R P 301, JUNIOR CLASSIFICATION  
 3962005 1 T 3:10-5:00  
 MEETS: AUG 26-DEC 20

INTMD GEOG INFO SYS C R P 351 3 CREDITS  
 Prereq: C R P 251X  
 9684005 1 MW 10:00-10:50  
 F 1:10-3:00  
 MEETS: AUG 26-DEC 20  
 9684010 2 MW 10:00-10:50  
 R 9:00-10:50  
 MEETS: AUG 26-DEC 20

RURAL,URB&REGN ECON C R P 376 3 CREDITS  
 Prereq: ECON 101  
 2227005 1 MWF 2:10-3:00  
 MEETS: AUG 26-DEC 20

PLAN PROCESS THEORY C R P 383 3 CREDITS  
 Prereq: JUNIOR CLASSIFICATION  
 2388005 1 TR 2:10-3:30  
 MEETS: AUG 26-DEC 20

FIELD TRAVEL C R P 391 1- 2 CREDITS  
 Prereq: C R P MAJOR, PERMISSION OF ADVISER  
 Note: COURSE ONLY OFFERED FOR 1 CREDIT FALL 2019  
 Satisfactory-Fail Only.  
 2402005 1 T 9:30-10:45, ARRANGED  
 MEETS: AUG 26-DEC 20

FINANC HIST PRESERV C R P 421 3 CREDITS  
 9685005 1 TR 3:40-6:00PM  
 MEETS: AUG 26-DEC 20

DEVL COUNTRIES PLAN C R P 429 3 CREDITS  
 Prereq: JUNIOR CLASSIFICATION  
 2988005 1 TR 12:40-2:00  
 MEETS: AUG 26-DEC 20

CMUNITY PLAN STUDIO C R P 432 4- 6 CREDITS  
 Prereq: C R P 201, C R P 301, C R P 383,  
 OR PERMISSION OF INSTRUCTOR  
 Note: COURSE ONLY OFFERED FOR 6 CREDITS FALL 2019  
 FIELD TRIPS & TRAVEL FEE: \$25.00 - \$100.00  
 2391005 1 MW 12:10-5:20  
 MEETS: AUG 26-DEC 20

PLAN IN SMALL TOWNS C R P 435 3 CREDITS  
 Prereq: JUNIOR CLASSIFICATION  
 1979005 1 MWF 11:00-11:50  
 MEETS: AUG 26-DEC 20

SITE DEVELOPMENT C R P 442 3 CREDITS  
 Prereq: 253, 272  
 8760005 1 M 5:10-8:00PM  
 MEETS: AUG 26-DEC 20

FUND REMOTE SENSING C R P 454 3 CREDITS  
 Prereq: C R P 351 OR EQUIVALENT OR PERMISSION  
 OF THE INSTRUCTOR  
 8957005 1 MW 8:00-9:50  
 MEETS: AUG 26-DEC 20

GIS PROGRMG&AUTOMAT C R P 456 3 CREDITS  
 Prereq: C R P 351 OR C R P 551 OR NREM 345  
 OR NREM 546 OR GEOL 552  
 5720010 1 MW 10:00-11:50  
 MEETS: AUG 26-DEC 20

PUBLIC FINANC&PLANN C R P 479 3 CREDITS  
 9769005 1 TR 9:00-10:20  
 MEETS: AUG 26-DEC 20

INDEPENDENT STUDY C R P 490 1- 3 CREDITS  
 Prereq: WRITTEN APPROVAL OF INSTRUCTOR AND  
 DEPARTMENT CHAIR ON REQUIRED FORM  
 Note: Instructor permission required 1st week.  
 Satisfactory-Fail Only.  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

INDEP STUDY HONORS C R P 490H 1- 3 CREDITS  
 Prereq: WRITTEN APPROVAL OF INSTRUCTOR AND  
 DEPARTMENT CHAIR ON REQUIRED FORM. MEMBERSHIP IN  
 UNIVERSITY HONORS PROGRAM.  
 Note: COURSE RESTRICTED TO STUDENTS IN THE UNIVERSITY  
 HONORS PROGRAM ONLY  
 Instructor permission required 1st week.  
 Satisfactory-Fail Only.  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

COMMUNITY & REGIONAL PLANNING (CONTINUED)

COMMUNITY & REGIONAL PLANNING (CONTINUED)

PL LAW, ADMIN&IMPLEM C R P 492 3 CREDITS  
 Prereq: JUNIOR CLASSIFICATION  
 2397005 1 T 5:10-8:00PM  
 MEETS: AUG 26-DEC 20

PRO WORK EXPERIENCE C R P 510 R CREDIT  
 Prereq: PERMISSION OF DEPARTMENT CHAIR  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

DOCUMNT HIS BLT ENV C R P 511 3- 4 CREDITS  
 Prereq: KNOWLEDGE OF GIS HELPFUL BUT NOT REQUIRED  
 9717005 1 TR 11:00-12:20  
 MEETS: AUG 26-DEC 20

DEVL COUNTRIES PLAN C R P 529 3 CREDITS  
 2404005 1 TR 12:40-2:00  
 MEETS: AUG 26-DEC 20

PRACTICUM C R P 530 1- 3 CREDITS  
 Prereq: GRADUATE CLASSIFICATION IN C R P  
 Satisfactory-Fail Only.  
 2405005 1 ARRANGED  
 MEETS: AUG 26-DEC 20

COMMUNITY PLAN STUDIO C R P 532 4- 6 CREDITS  
 Prereq: C R P 564 OR EQUIVALENT  
 2407005 1 T 2:10-4:00  
 R 2:10-7:00PM  
 MEETS: AUG 26-DEC 20

PLAN IN SMALL TOWNS C R P 535 3 CREDITS  
 Prereq: GRADUATE CLASSIFICATION  
 1980005 1 MWF 11:00-11:50  
 MEETS: AUG 26-DEC 20

SITE DEVELOPMENT C R P 542 3 CREDITS  
 Prereq: GRADUATE CLASSIFICATION  
 8759005 1 M 5:10-8:00PM  
 MEETS: AUG 26-DEC 20

RESILIENT ENVIRNMTS C R P 550 3 CREDITS  
 9415005 1 R 5:10-8:00PM  
 ARRANGED  
 MEETS: AUG 26-DEC 20

INTRO GEOG INFO SYS C R P 551 3 CREDITS  
 1985005 1 MW 9:00-9:50  
 W 12:10-2:00  
 MEETS: AUG 26-DEC 20  
 1985010 2 MW 9:00-9:50  
 W 10:00-11:50  
 MEETS: AUG 26-DEC 20

FUND REMOTE SENSING C R P 554 3 CREDITS  
 2457005 1 MW 8:00-9:50  
 MEETS: AUG 26-DEC 20

GIS PROGRMG&AUTOMAT C R P 556 3 CREDITS  
 Prereq: ONE OF THE FOLLOWING: C R P 451,  
 C R P 551, NREM 345, NREM 546, GEOL 552  
 5856005 1 MW 10:00-11:50  
 MEETS: AUG 26-DEC 20

PLAN AMER METROPLIS C R P 563 3 CREDITS  
 9380005 1 M 5:10-8:00PM  
 MEETS: AUG 26-DEC 20

INTR ANLYT MTHDS PL C R P 564 3 CREDITS  
 9329005 1 MW 10:00-11:30  
 MEETS: AUG 26-DEC 20

POLICY ANALYS&PLANN C R P 566 3 CREDITS  
 9330005 1 TR 12:40-2:00  
 MEETS: AUG 26-DEC 20

PUBLIC FINANC&PLANN C R P 579 3 CREDITS  
 2757005 1 TR 9:00-10:20  
 MEETS: AUG 26-DEC 20

SPL TP PLAN LAW,ADM C R P 590A 1- 3 CREDITS  
 Prereq: GRAD CLASSIFICATION AND WRITTEN APPROVAL  
 OF INSTRUCTOR AND DEPARTMENT CHAIR ON REQUIRED FORM  
 Note: Instructor permission required 1st week.  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

SPL TOPC ECON DEVEL C R P 590B 1- 3 CREDITS  
 Prereq: GRAD CLASSIFICATION AND WRITTEN APPROVAL  
 OF INSTRUCTOR AND DEPARTMENT CHAIR ON REQUIRED FORM  
 Note: Instructor permission required 1st week.  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

SPL TOPC URBAN DSGN C R P 590C 1- 3 CREDITS  
 Prereq: GRAD CLASSIFICATION AND WRITTEN APPROVAL  
 OF INSTRUCTOR AND DEPARTMENT CHAIR ON REQUIRED FORM  
 Note: Instructor permission required 1st week.  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

SPL TOP HOUS&URB RV C R P 590D 1- 3 CREDITS  
 Prereq: GRAD CLASSIFICATION AND WRITTEN APPROVAL  
 OF INSTRUCTOR AND DEPARTMENT CHAIR ON REQUIRED FORM  
 Note: Instructor permission required 1st week.  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

SPL TOP ENVIRN PLAN C R P 590H 1- 3 CREDITS  
 Prereq: GRAD CLASSIFICATION AND WRITTEN APPROVAL  
 OF INSTRUCTOR AND DEPARTMENT CHAIR ON REQUIRED FORM  
 Note: Instructor permission required 1st week.  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

SP TOP TRANSPRTN PL C R P 590I 1- 3 CREDITS  
 Prereq: GRAD CLASSIFICATION AND WRITTEN APPROVAL  
 OF INSTRUCTOR AND DEPARTMENT CHAIR ON REQUIRED FORM  
 Note: Instructor permission required 1st week.  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

SPL TOPC INT'L PLAN C R P 590N 1- 3 CREDITS  
 Prereq: GRAD CLASSIFICATION AND WRITTEN APPROVAL  
 OF INSTRUCTOR AND DEPARTMENT CHAIR ON REQUIRED FORM  
 Note: Instructor permission required 1st week.  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

SPL TP SPATL AN MTH C R P 590O 1- 3 CREDITS  
 Prereq: GRAD CLASSIFICATION AND WRITTEN APPROVAL  
 OF INSTRUCTOR AND DEPARTMENT CHAIR ON REQUIRED FORM  
 Note: Instructor permission required 1st week.  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

SPL TP SM TOWN PLAN C R P 590P 1- 3 CREDITS  
 Prereq: GRAD CLASSIFICATION AND WRITTEN APPROVAL  
 OF INSTRUCTOR AND DEPARTMENT CHAIR ON REQUIRED FORM  
 Note: Instructor permission required 1st week.  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

SPL TP DIVRS&EQ PLN C R P 590Q 1- 3 CREDITS  
 Prereq: GRAD CLASSIFICATION AND WRITTEN APPROVAL  
 OF INSTRUCTOR AND DEPARTMENT CHAIR ON REQUIRED FORM  
 Note: Instructor permission required 1st week.  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

SPECIAL TOPICS GIS C R P 590R 1- 3 CREDITS  
 Prereq: GRAD CLASSIFICATION AND WRITTEN APPROVAL  
 OF INSTRUCTOR AND DEPARTMENT CHAIR ON REQUIRED FORM  
 Note: Instructor permission required 1st week.  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

LAND USE REGULA LAW C R P 592 3 CREDITS  
 2427005 1 W 5:10-8:00PM  
 MEETS: AUG 26-DEC 20

PRO PLANNING REPORT C R P 599 VAR. CREDITS  
 Satisfactory-Fail Only.  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

RESEARCH C R P 699 VAR. CREDITS  
 Note: Instructor permission required.  
 Satisfactory-Fail Only.  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

**COMPUTER ENGINEERING**

PRO PROG ORIENTATN CPR E 166 R CREDIT  
 Note: COURSE RESTRICTED TO E E, CPR E MAJORS ONLY  
 2292005 1 T 1:10-2:00  
 MEETS: OCT 21-DEC 20

CPR ENG LRNG CMUNTY CPR E 184 1 CREDIT  
 Prereq: CPR E LEARNING COMMUNITY MEMBERSHIP  
 9984005 1 M 3:10-4:00  
 MEETS: AUG 26-DEC 20

INTRO PROBLM SOLV I CPR E 185 3 CREDITS  
 Prereq: MATH 143 OR SATISFACTORY SCORES ON  
 MATHEMATICS PLACEMENT EXAMINATIONS; CREDIT OR  
 ENROLLMENT IN MATH 165  
 Note: CREDIT IN ONLY ONE OF THE FOLLOWING COURSES  
 MAY BE APPLIED TOWARD GRADUATION: M E 160, ENGR 160,  
 AER E 160, C E 160, A B E 160, CPR E 185, E E 185,  
 S E 185, I E 148  
 3878005 1 TR 8:00-8:50  
 W 12:10-2:00  
 MEETS: AUG 26-DEC 20  
 Note: SEC 1 RESTRICTED TO CPR E MAJORS ONLY

3878010 2 TR 8:00-8:50  
 F 10:00-11:50  
 MEETS: AUG 26-DEC 20  
 Note: SEC 2 RESTRICTED TO CPR E MAJORS ONLY

3878015 3 TR 8:00-8:50  
 F 2:10-4:00  
 MEETS: AUG 26-DEC 20  
 Note: SEC 3 RESTRICTED TO CPR E MAJORS ONLY

3878020 4 TR 8:00-8:50  
 W 2:10-4:00  
 MEETS: AUG 26-DEC 20  
 Note: SEC 4 RESTRICTED TO CPR E MAJORS ONLY

3878025 5 TR 8:00-8:50  
 W 4:10-6:00PM  
 MEETS: AUG 26-DEC 20  
 Note: SEC 5 RESTRICTED TO CPR E, S E MAJORS ONLY

3878030 6 TR 8:00-8:50  
 W 6:10-8:00PM  
 MEETS: AUG 26-DEC 20  
 Note: SEC 6 RESTRICTED TO CPR E, S E MAJORS ONLY

COMPUTER ENGINEERING

(CONTINUED)

INTRO PROBLM SOLV I CPR E 185 3 CREDITS  
 3878035 7 TR 8:00-8:50  
 T 10:00-11:50  
 MEETS: AUG 26-DEC 20  
 Note: SEC 7 RESTRICTED TO CPR E, S E MAJORS ONLY  
 3878040 8 TR 8:00-8:50  
 R 4:10-6:00PM  
 MEETS: AUG 26-DEC 20  
 Note: SEC 8 RESTRICTED TO CPR E, S E MAJORS ONLY  
 3878045 9 TR 8:00-8:50  
 W 10:00-11:50  
 MEETS: AUG 26-DEC 20  
 Note: SEC 9 RESTRICTED TO CPR E, S E MAJORS ONLY

CYBER SECUR FUNDMTL CPR E 230 3 CREDITS  
 Prereq: COM S 277, E E 285, OR MIS 207  
 9703005 1 TR 8:00-8:50  
 R 9:00-10:50  
 MEETS: AUG 26-DEC 20  
 9703010 2 TR 8:00-8:50  
 F 9:00-10:50  
 MEETS: AUG 26-DEC 20  
 9703015 3 TR 8:00-8:50  
 W 12:10-2:00  
 MEETS: AUG 26-DEC 20

TRANSFER ORIENTATIO CPR E 261 R CREDIT  
 Satisfactory-Fail Only.  
 9198005 1 W 11:00-11:50  
 MEETS: AUG 26-DEC 20  
 9198010 2 T 11:00-11:50  
 MEETS: AUG 26-DEC 20

DIG LOGC,PROCSR,P I CPR E 281 4 CREDITS  
 Prereq: SOPHOMORE CLASSIFICATION  
 Note: COURSE RESTRICTED TO CPR E, E E, COM S, P CS,  
 S E SOPHOMORES, JUNIORS AND SENIORS  
 7321005 1 MWF 2:10-3:00  
 T 8:00-10:50  
 MEETS: AUG 26-DEC 20  
 7321010 2 MWF 2:10-3:00  
 T 5:10-8:00PM  
 MEETS: AUG 26-DEC 20  
 7321015 3 MWF 2:10-3:00  
 T 11:00-1:50  
 MEETS: AUG 26-DEC 20  
 7321020 4 MWF 2:10-3:00  
 W 3:10-6:00PM  
 MEETS: AUG 26-DEC 20  
 7321025 5 MWF 2:10-3:00  
 R 8:00-10:50  
 MEETS: AUG 26-DEC 20  
 7321030 6 MWF 2:10-3:00  
 F 8:00-10:50  
 MEETS: AUG 26-DEC 20  
 7321035 7 MWF 4:10-5:00  
 F 11:00-1:50  
 MEETS: AUG 26-DEC 20  
 7321040 8 MWF 4:10-5:00  
 W 8:00-10:50  
 MEETS: AUG 26-DEC 20  
 7321045 9 MWF 4:10-5:00  
 R 5:10-8:00PM  
 MEETS: AUG 26-DEC 20  
 7321050 10 MWF 4:10-5:00  
 R 2:10-5:00  
 MEETS: AUG 26-DEC 20  
 7321055 11 MWF 4:10-5:00  
 T 2:10-5:00  
 MEETS: AUG 26-DEC 20  
 7321060 12 MWF 4:10-5:00  
 M 9:00-11:50  
 MEETS: AUG 26-DEC 20  
 7321065 13 MWF 4:10-5:00  
 M 12:10-3:00  
 MEETS: AUG 26-DEC 20  
 7321070 14 MWF 4:10-5:00  
 R 11:00-1:50  
 MEETS: AUG 26-DEC 20  
 7321075 15 MWF 4:10-5:00  
 W 6:10-9:00PM  
 MEETS: AUG 26-DEC 20  
 7321080 16 MWF 4:10-5:00  
 T 11:00-1:50  
 MEETS: AUG 26-DEC 20  
 7321085 17 MWF 4:10-5:00  
 R 11:00-1:50  
 MEETS: AUG 26-DEC 20  
 7321090 18 MWF 4:10-5:00  
 W 11:00-1:50  
 MEETS: AUG 26-DEC 20  
 7321095 19 MWF 2:10-3:00  
 F 11:00-1:50  
 MEETS: AUG 26-DEC 20  
 7321100 20 MWF 4:10-5:00  
 T 2:10-5:00  
 MEETS: AUG 26-DEC 20  
 7321105 21 MWF 4:10-5:00  
 F 8:00-10:50  
 MEETS: AUG 26-DEC 20

COMPUTER ENGINEERING

(CONTINUED)

EMBEDDE SYS I:INTRO CPR E 288 4 CREDITS  
 Prereq: CPR E 281, COM S 207 OR 227 OR E E 285  
 3364005 1 TR 9:30-10:50  
 T 12:10-2:00  
 MEETS: AUG 26-DEC 20  
 3364010 2 TR 9:30-10:50  
 T 6:10-8:00PM  
 MEETS: AUG 26-DEC 20  
 3364015 3 TR 9:30-10:50  
 R 6:10-8:00PM  
 MEETS: AUG 26-DEC 20  
 3364020 4 TR 9:30-10:50  
 R 12:10-2:00  
 MEETS: AUG 26-DEC 20  
 3364025 5 TR 2:10-3:30  
 W 10:00-11:50  
 MEETS: AUG 26-DEC 20  
 3364030 6 TR 2:10-3:30  
 T 4:10-6:00PM  
 MEETS: AUG 26-DEC 20  
 3364035 7 TR 2:10-3:30  
 W 12:10-2:00  
 MEETS: AUG 26-DEC 20  
 3364040 8 TR 2:10-3:30  
 F 12:10-2:00  
 MEETS: AUG 26-DEC 20

PROGRAM DISCOVERY CPR E 294 R CREDIT  
 Prereq: CPR E 166 OR E E 166  
 Note: SEC A1,B1 ETC RESTRICTED TO CPR E. SEC A2,B2 ETC  
 RESTRICTED TO E E.  
 Satisfactory-Fail Only.  
 5337005 A1 M 1:10-2:00  
 MEETS: AUG 26-OCT 18  
 5337010 A2 M 1:10-2:00  
 MEETS: AUG 26-OCT 18  
 5337015 A3 M 1:10-2:00  
 MEETS: AUG 26-OCT 18  
 5337020 B1 F 3:10-4:00  
 MEETS: AUG 26-OCT 18  
 5337025 B2 F 3:10-4:00  
 MEETS: AUG 26-OCT 18  
 5337030 B3 F 3:10-4:00  
 MEETS: AUG 26-OCT 18

OPERAT SYS:PRIN&PRA CPR E 308 4 CREDITS  
 Prereq: CPR E 381 OR COM S 321  
 2036005 1 MWF 11:00-1:50  
 R 3:10-6:00PM  
 MEETS: AUG 26-DEC 20  
 2036010 2 MWF 9:00-9:50  
 F 11:00-1:50  
 MEETS: AUG 26-DEC 20  
 2036015 3 MWF 9:00-9:50  
 T 4:10-7:00PM  
 MEETS: AUG 26-DEC 20  
 2036020 4 MWF 9:00-9:50  
 R 8:00-10:50  
 MEETS: AUG 26-DEC 20  
 2036025 5 MWF 9:00-9:50  
 R 9:00-11:50  
 MEETS: AUG 26-DEC 20

THEORET FOUND CPR E CPR E 310 3 CREDITS  
 Prereq: COM S 228  
 9240005 1 TR 8:00-9:20  
 M 10:00-10:50  
 MEETS: AUG 26-DEC 20  
 9240010 2 TR 8:00-9:20  
 M 11:00-11:50  
 MEETS: AUG 26-DEC 20  
 9240015 3 TR 8:00-9:20  
 M 2:10-3:00  
 MEETS: AUG 26-DEC 20  
 9240020 4 TR 8:00-9:20  
 M 3:10-4:00  
 MEETS: AUG 26-DEC 20  
 9240055 5 TR 8:00-9:20  
 M 4:10-5:00  
 MEETS: AUG 26-DEC 20

SOFTWARE PROJCT MGT CPR E 329 3 CREDITS  
 Prereq: COM S 309  
 6832005 1 TR 11:00-12:15  
 MEETS: AUG 26-DEC 20

INTGRATED ELECTRNCS CPR E 330 4 CREDITS  
 Prereq: E E 201, CREDIT OR ENROLLMENT IN E E 230,  
 CPR E 281  
 Note: CREDIT FOR EITHER CPR E/E E 330 OR E E 331,  
 BUT NOT BOTH, MAY BE APPLIED TOWARD GRADUATION  
 2311005 1 MWF 12:10-1:00  
 T 8:00-10:50  
 MEETS: AUG 26-DEC 20  
 2311010 2 MWF 12:10-1:00  
 T 11:00-1:50  
 MEETS: AUG 26-DEC 20  
 2311015 3 MWF 12:10-1:00  
 W 5:10-8:00PM  
 MEETS: AUG 26-DEC 20  
 2311020 4 MWF 12:10-1:00  
 F 8:00-10:50  
 MEETS: AUG 26-DEC 20  
 2311025 5 MWF 12:10-1:00  
 R 8:00-10:50  
 MEETS: AUG 26-DEC 20

COMPUTER ENGINEERING (CONTINUED)

COMPUTER ENGINEERING (CONTINUED)

CYBER DEFENS COMPET CPR E 332 1 CREDIT  
 Satisfactory-Fail Only.  
 9653005 1 ARRANGED  
 MEETS: AUG 26-DEC 20

SFTWR ARCHITC&DSIGN CPR E 339 3 CREDITS  
 Prereq: S E 319  
 6834005 1 TR 4:10-5:30  
 MEETS: AUG 26-DEC 20

CPTR ORG &ASMB PROG CPR E 381 4 CREDITS  
 Prereq: CPR E 288  
 6769005 1 MWF 9:00-9:50  
 W 4:10-6:00PM  
 MEETS: AUG 26-DEC 20  
 6769010 2 MWF 9:00-9:50  
 R 8:00-9:50  
 MEETS: AUG 26-DEC 20  
 6769015 3 MWF 9:00-9:50  
 W 2:10-4:00  
 MEETS: AUG 26-DEC 20  
 6769020 4 MWF 9:00-9:50  
 F 2:10-4:00  
 MEETS: AUG 26-DEC 20  
 6769025 5 MWF 9:00-9:50  
 W 6:10-8:00PM  
 MEETS: AUG 26-DEC 20  
 6769030 6 MWF 9:00-9:50  
 R 4:10-6:00PM  
 MEETS: AUG 26-DEC 20  
 6769035 7 MWF 9:00-9:50  
 W 12:10-2:00  
 MEETS: AUG 26-DEC 20  
 6769040 8 MWF 9:00-9:50  
 R 6:10-8:00PM  
 MEETS: AUG 26-DEC 20  
 6769045 9 MWF 9:00-9:50  
 R 2:10-4:00  
 MEETS: AUG 26-DEC 20  
 6769050 10 MWF 9:00-9:50  
 T 5:10-7:00PM  
 MEETS: AUG 26-DEC 20  
 6769055 11 MWF 9:00-9:50  
 W 10:00-11:50  
 MEETS: AUG 26-DEC 20

EMBED SYS II:MOBILE CPR E 388 4 CREDITS  
 Prereq: CPR E 288  
 9014005 1 MWF 3:10-4:00  
 R 2:10-4:00  
 MEETS: AUG 26-DEC 20  
 9014010 2 MWF 3:10-4:00  
 R 4:10-6:00PM  
 MEETS: AUG 26-DEC 20  
 9014015 3 MWF 3:10-4:00  
 F 12:10-2:00  
 MEETS: AUG 26-DEC 20

PROGRAM EXPLORATION CPR E 394 R CREDIT  
 Prereq: 294 OR E E 294  
 Note: SEC A1,B1 ETC RESTRICTED TO CPR E. SEC A2,B2 ETC  
 RESTRICTED TO E E.  
 Satisfactory-Fail Only.  
 5388005 A1 M 1:10-2:00  
 MEETS: OCT 21-DEC 20  
 5388010 A2 M 1:10-2:00  
 MEETS: OCT 21-DEC 20  
 5388015 A3 M 1:10-2:00  
 MEETS: OCT 21-DEC 20  
 5388020 B1 F 3:10-4:00  
 MEETS: OCT 21-DEC 20  
 5388025 B2 F 3:10-4:00  
 MEETS: OCT 21-DEC 20  
 5388030 B3 F 3:10-4:00  
 MEETS: OCT 21-DEC 20

COOPERATIVE EDUCATN CPR E 398 R CREDIT  
 Prereq: PERMISSION OF DEPARTMENT AND ENGINEERING  
 CAREER SERVICES  
 Satisfactory-Fail Only.  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

SFTW SYS DTA ANLYTC CPR E 414X 4 CREDITS  
 Prereq: COM S 363; OR CPR E 315 OR CPR E 308; OR  
 COM S 311 OR COM S 352  
 0196005 1 MWF 11:00-11:50  
 W 1:10-3:00  
 MEETS: AUG 26-DEC 20  
 0196010 2 MWF 11:00-11:50  
 R 4:10-6:00PM  
 MEETS: AUG 26-DEC 20

SFTWRE SAFETY ANALY CPR E 421 3 CREDITS  
 Prereq: COM S 309; CPR E 310 OR COM S 230  
 0028005 1 MWF 12:10-1:00  
 MEETS: AUG 26-DEC 20

INTR HI PRFM CMPUTG CPR E 424 3 CREDITS  
 Prereq: MATH 265; MATH 207 OR MATH 317; OR  
 PERMISSION OF INSTRUCTOR  
 9829005 1 TR 2:10-4:00  
 MEETS: AUG 26-DEC 20

NTWRK PROTOCL&SECUR CPR E 430 3 CREDITS  
 Prereq: CPR E 381 OR EQUIVALENT  
 9386005 1 TR 8:00-9:15  
 MEETS: AUG 26-DEC 20

INFO SYSTM SECURITY CPR E 431 3 CREDITS  
 Prereq: CREDIT OR ENROLLMENT IN CPR E 308 OR  
 CREDIT OR ENROLLMENT IN COM S 352  
 8650005 1 TR 12:40-2:00  
 MEETS: AUG 26-DEC 20

BIOINFORMATC ANALYS CPR E 444 4 CREDITS  
 Prereq: MATH 165 AND INTRODUCTORY STATISTICS  
 (STAT 101, STAT 104, STAT 105, STAT 201, OR STAT 330)  
 8545005 1 TR 11:00-12:20  
 W 2:10-4:00  
 MEETS: AUG 26-DEC 20

REAL TIME SYSTEMS CPR E 458 3 CREDITS  
 Prereq: 308 OR COM S 352  
 4510005 1 TR 9:30-10:50  
 MEETS: AUG 26-DEC 20

DIGITAL VLSI DESIGN CPR E 465 4 CREDITS  
 Prereq: E E 330  
 9514005 1 TR 9:30-10:50  
 T 5:10-8:00PM  
 MEETS: AUG 26-DEC 20  
 9514010 2 TR 9:30-10:50  
 W 2:10-5:00  
 MEETS: AUG 26-DEC 20  
 9514015 3 TR 9:30-10:50  
 F 11:00-1:50  
 MEETS: AUG 26-DEC 20  
 9514020 4 TR 9:30-10:50  
 W 11:00-1:50  
 MEETS: AUG 26-DEC 20

MULTIDISC ENGR DSGN CPR E 466 3 CREDITS  
 Prereq: STUDENT MUST BE WITHIN 2 SEMESTERS OF  
 GRADUATION, PERMISSION OF INSTRUCTOR  
 1899005 1 MWF 3:10-5:00  
 MEETS: AUG 26-DEC 20

CPTR NTWRK&DATA COM CPR E 489 4 CREDITS  
 Prereq: 381 OR E E 324  
 Note: COURSE RESTRICTED TO CPR E, E E, E CPE,  
 COM S, S E MAJORS ONLY  
 2771005 1 TR 11:00-12:20  
 F 8:00-9:50  
 MEETS: AUG 26-DEC 20  
 2771010 2 TR 11:00-12:20  
 W 12:10-2:00  
 MEETS: AUG 26-DEC 20  
 2771015 3 TR 11:00-12:20  
 T 9:00-10:50  
 MEETS: AUG 26-DEC 20

INDEPENDENT STUDY CPR E 490 VAR. CREDITS  
 Prereq: SENIOR CLASSIFICATION IN COMPUTER ENGR  
 Note: Department permission required 1st week.  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

HONORS INDEP STUDY CPR E 490H VAR. CREDITS  
 Prereq: SENIOR CLASSIFICATION IN COMPUTER ENGR  
 MEMBERSHIP IN UNIV HONORS PROGRAM  
 Note: COURSE RESTRICTED TO STUDENTS IN THE UNIVERSITY  
 HONORS PROGRAM ONLY  
 Department permission required 1st week.  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

SR DESGN PROJ I&PRO CPR E 491 3 CREDITS  
 Prereq: 308 OR E E 322, COMPLETION OF 24 CREDITS  
 IN THE E E CORE PROFESSIONAL PROGRAM OR 29 CREDITS  
 IN THE CPR E CORE PROFESSIONAL PROGRAM, ENGL 314  
 Note: COURSE RESTRICTED TO CPR E, E E, S E JUNIORS  
 AND SENIORS  
 Instructor permission required 1st week.  
 2765005 1 T 2:10-4:00, ARRANGED  
 MEETS: AUG 26-DEC 20

SR DESIGN PROJCT II CPR E 492 2 CREDITS  
 Prereq: 491  
 Note: COURSE RESTRICTED TO CPR E, E E, S E JUNIORS  
 AND SENIORS  
 1659005 1 R 2:10-3:00, ARRANGED  
 MEETS: AUG 26-DEC 20

PORTFOLIO ASSESSMNT CPR E 494 R CREDIT  
 Prereq: CREDIT OR ENROLLMENT IN 491  
 Note: COURSE RESTRICTED TO CPR E, E E SENIORS ONLY  
 2279005 1 W 2:10-3:00  
 MEETS: AUG 26-DEC 20  
 2279010 2 R 3:10-4:00  
 MEETS: AUG 26-DEC 20  
 2279015 3 W 3:10-4:00  
 MEETS: AUG 26-DEC 20  
 2279020 4 R 2:10-3:00  
 MEETS: AUG 26-DEC 20

COMPUTER ENGINEERING (CONTINUED)

COMPUTER ENGINEERING (CONTINUED)

AN&MIXSIG VLSI TCNQ CPR E 501 4 CREDITS  
 Prereq: 435  
 5329005 1 MW 2:10-3:30  
 R 5:10-8:00PM  
 MEETS: AUG 26-DEC 20

5329010 2 MW 2:10-3:30  
 R 2:10-5:00  
 MEETS: AUG 26-DEC 20

DSN&ANALYSIS ALGTHM CPR E 511 3 CREDITS  
 Prereq: COM S 311  
 5651005 1 MWF 1:10-2:00  
 MEETS: AUG 26-DEC 20

NTWRK PROTOCL&SECUR CPR E 530 3 CREDITS  
 Prereq: CPR E 381 OR EQUIVALENT  
 2777005 1 TR 8:00-9:15  
 MEETS: AUG 26-DEC 20

INFO SYSTM SECURITY CPR E 531 3 CREDITS  
 Prereq: 489 OR 530 OR COM S 586 OR MIS 535  
 Note: ON CAMPUS SECTIONS RESTRICTED TO E CPE, COM S,  
 GR ST, INFAS, SCIS GRAD STUDENTS ONLY  
 4537005 1 MWF 2:10-3:00  
 MEETS: AUG 26-DEC 20

CMPTR&NTWRK FORENSI CPR E 536 3 CREDITS  
 Prereq: CPR E 489 OR CPR E 530  
 5531005 1 TR 9:30-10:50  
 MEETS: AUG 26-DEC 20

HI-PERFRM COMM NTWK CPR E 541 3 CREDITS  
 Prereq: 530 OR 489  
 4357005 1 MW 4:30-5:55  
 MEETS: AUG 26-DEC 20

WIRELESS NETWK ARCH CPR E 543 3 CREDITS  
 Prereq: CREDIT OR ENROLLMENT IN 489 OR 530  
 6039005 1 MWF 9:00-9:50  
 MEETS: AUG 26-DEC 20

FUND BIOINFORMATICS CPR E 544 4 CREDITS  
 Prereq: MATH 165 OR STAT 401 OR EQUIVALENT  
 8549005 1 MWF 10:00-10:50  
 R 1:10-3:00  
 MEETS: AUG 26-DEC 20

8549010 2 MWF 10:00-10:50  
 R 3:10-5:00  
 MEETS: AUG 26-DEC 20

CPTR GRPHC&GEOM MOD CPR E 557 3 CREDITS  
 Prereq: M E 421, PROGRAMMING EXPERIENCE IN C  
 2985005 1 TR 2:10-3:30  
 MEETS: AUG 26-DEC 20

REAL-TIME SYSTEMS CPR E 558 3 CREDITS  
 Prereq: 308 OR COM S 352  
 4574005 1 TR 9:30-10:50  
 MEETS: AUG 26-DEC 20

BIOINFMTIC ALGORTHMS CPR E 567 3 CREDITS  
 Prereq: COM S 228, COM S 330; CREDIT OR  
 OR ENROLLMENT IN BIOL 315, STAT 430  
 8329005 1 TR 11:00-12:20  
 MEETS: AUG 26-DEC 20

STRUC GENOM INFRMTC CPR E 569 3 CREDITS  
 Prereq: BCB 567, BBMB 316, GEN 409, STAT 430  
 3407005 1 TR 12:40-1:55  
 MEETS: AUG 26-DEC 20

CPR SYS ARCHITECTUR CPR E 581 3 CREDITS  
 Prereq: 381  
 8458005 1 MWF 10:00-10:50  
 MEETS: AUG 26-DEC 20

SPECIAL TOPICS CPR E 590 1- 6 CREDITS  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

SEMINAR CMPUTR ENGR CPR E 592 1- 4 CREDITS  
 Prereq: PERMISSION OF INSTRUCTOR  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

LEARNG COMMUNITY SEMN CPR E 598 R CREDIT  
 Prereq: CLASSIFICATION AS AN E CPE MAJOR  
 Satisfactory-Fail Only.  
 9874005 1 F 4:10-5:30  
 MEETS: AUG 26-DEC 20

CREATIVE COMPONENT CPR E 599 VAR. CREDITS  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

INFO ASSUR CAPSTONE CPR E 632 3 CREDITS  
 Prereq: 531, 532, 534  
 8104005 1 ARRANGED  
 MEETS: AUG 26-DEC 20  
 Note: Department permission required.

ENGINEERG INTERNSHP CPR E 697 R CREDIT  
 Note: PERMISSION OF MANAGER OF CPR E STUDENT SERVICES  
 REQUIRED  
 Satisfactory-Fail Only.  
 7420005 1 ARRANGED  
 MEETS: AUG 26-DEC 20  
 Note: Department permission required.

RESEARCH CPR E 699 VAR. CREDITS  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

COMPUTER SCIENCE

ORIENTATION COM S 101 R CREDIT  
 Satisfactory-Fail Only.

2672005 1 T 12:40-2:00  
 MEETS: AUG 26-DEC 20

2672010 2 T 11:00-12:20  
 MEETS: AUG 26-DEC 20

CMPTR LITERACY&APPL COM S 103 4 CREDITS  
 2673005 1 ARRANGED

MEETS: AUG 26-DEC 20  
 Note: SEC 1 IS RESTRICTED TO MAJORS OTHER THAN P CS,  
 COM S. ATTENDANCE AT THE ORIENTATION SESSION FOR  
 SEC 1 IS REQUIRED. IT WILL BE HELD THE FIRST WEEK OF  
 THE SEMESTER, MONDAY 10:00-10:50 A.M. IN 0109 PEARSON  
 HALL.

Course delivery is WWW  
 Section info: <http://www.cs.iastate.edu/~cs103page/index.html>

Syllabus: <http://www.cs.iastate.edu/~cs103page/index.html>

2673010 2 ARRANGED  
 MEETS: AUG 26-DEC 20

Note: SEC 2 IS RESTRICTED TO MAJORS OTHER THAN P CS,  
 COM S. ATTENDANCE AT THE ORIENTATION SESSION FOR  
 SEC 2 IS REQUIRED. IT WILL BE HELD THE FIRST WEEK OF  
 THE SEMESTER, MONDAY 11:00-11:50 A.M. IN 0109 PEARSON  
 HALL.

Course delivery is WWW  
 Section info: <http://www.cs.iastate.edu/~cs103page/index.html>

Syllabus: <http://www.cs.iastate.edu/~cs103page/index.html>

2673015 3 ARRANGED  
 MEETS: AUG 26-DEC 20

Note: SEC 3 IS RESTRICTED TO MAJORS OTHER THAN P CS,  
 COM S. ATTENDANCE AT THE ORIENTATION SESSION FOR  
 SEC 3 IS REQUIRED. IT WILL BE HELD THE FIRST WEEK OF  
 THE SEMESTER, MONDAY 1:10-2:00 P.M. IN 0109 PEARSON  
 HALL.

Course delivery is WWW  
 Section info: <http://www.cs.iastate.edu/~cs103page/index.html>

Syllabus: <http://www.cs.iastate.edu/~cs103page/index.html>

INTRO SPRDSH&DATABS COM S 113 3 CREDITS

Note: COM S, S E, AND CPR E MAJORS MAY NOT APPLY CREDIT  
 IN COM S 113 TOWARD GRADUATION.  
 ON-CAMPUS SECTIONS ARE A 2-PART COURSE  
 REGISTER FOR A LECTURE SEC  
 FIRST AND THEN A LAB SEC. STUDENTS WHO DON'T  
 REGISTER FOR BOTH LECTURE AND LAB SHOULD DROP THE  
 COURSE DUE TO INCOMPLETE REGISTRATION.

7761005 A TR 9:30-10:20  
 MEETS: AUG 26-DEC 20

Note: SECTION A RESTRICTED TO COLLEGE OF BUSINESS  
 MAJORS ONLY

7761010 B TR 11:00-11:50  
 MEETS: AUG 26-DEC 20

Note: SECTION B RESTRICTED TO COLLEGE OF BUSINESS  
 MAJORS ONLY

7761011 C TR 12:40-1:30  
 MEETS: AUG 26-DEC 20

Note: SECTION C RESTRICTED TO COLLEGE OF BUSINESS  
 MAJORS ONLY

7761012 D TR 9:30-10:20  
 MEETS: AUG 26-DEC 20

Note: SECTION D RESTRICTED TO MAJORS OTHER THAN  
 COLLEGE OF BUSINESS

7761013 E TR 11:00-11:50  
 MEETS: AUG 26-DEC 20

Note: SECTION E RESTRICTED TO MAJORS OTHER THAN  
 COLLEGE OF BUSINESS

7761014 F TR 12:40-1:30  
 MEETS: AUG 26-DEC 20

Note: SECTION F RESTRICTED TO MAJORS OTHER THAN  
 COLLEGE OF BUSINESS

7761015 1 T 10:00-11:50  
 MEETS: AUG 26-DEC 20

7761020 2 M 8:00-9:50  
 MEETS: AUG 26-DEC 20

7761025 3 M 4:10-6:00PM  
 MEETS: AUG 26-DEC 20

7761030 4 M 10:00-11:50  
 MEETS: AUG 26-DEC 20

7761035 5 M 12:10-2:00  
 MEETS: AUG 26-DEC 20

7761040 6 M 2:10-4:00  
 MEETS: AUG 26-DEC 20

7761045 7 M 4:10-6:00PM  
 MEETS: AUG 26-DEC 20

COMPUTER SCIENCE

(CONTINUED)

INTRO SPRDSH&DATABS COM S 113 3 CREDITS  
 7761050 8 T 8:00-9:50  
 MEETS: AUG 26-DEC 20  
 7761055 9 F 8:00-9:50  
 MEETS: AUG 26-DEC 20  
 7761060 10 T 12:10-2:00  
 MEETS: AUG 26-DEC 20  
 7761065 11 W 4:10-6:00PM  
 MEETS: AUG 26-DEC 20  
 7761070 12 T 2:10-4:00  
 MEETS: AUG 26-DEC 20  
 7761075 13 W 8:00-9:50  
 MEETS: AUG 26-DEC 20  
 7761080 14 T 4:10-6:00PM  
 MEETS: AUG 26-DEC 20  
 7761085 15 M 6:10-8:00PM  
 MEETS: AUG 26-DEC 20  
 7761090 16 W 8:00-9:50  
 MEETS: AUG 26-DEC 20  
 7761095 17 W 10:00-11:50  
 MEETS: AUG 26-DEC 20  
 7761100 18 F 3:10-5:00  
 MEETS: AUG 26-DEC 20  
 7761105 19 W 6:10-8:00PM  
 MEETS: AUG 26-DEC 20  
 7761110 20 T 6:10-8:00PM  
 MEETS: AUG 26-DEC 20  
 7761115 21 M 3:10-5:00  
 MEETS: AUG 26-DEC 20  
 7761120 22 W 3:10-5:00  
 MEETS: AUG 26-DEC 20  
 7761125 23 F 12:10-2:00  
 MEETS: AUG 26-DEC 20  
 7761130 24 W 4:10-6:00PM  
 MEETS: AUG 26-DEC 20  
 7761135 25 M 6:10-8:00PM  
 MEETS: AUG 26-DEC 20

INTRO CPR PROGRAMMG COM S 127 4 CREDITS  
 Prereq: CREDIT OR ENROLLMENT IN MATH 140 OR HIGHER  
 Note: 2-PART COURSE. REGISTER FOR LETTERED SECTION FIRST AND THEN NUMBERED SECTION. STUDENTS WHO DON'T REGISTER FOR BOTH PARTS OF THE COURSE SHOULD DROP THE COURSE DUE TO INCOMPLETE REGISTRATION.  
 8789100 A MWF 2:10-3:00  
 MEETS: AUG 26-DEC 20  
 8789005 1 W 10:00-11:50  
 MEETS: AUG 26-DEC 20  
 8789010 2 R 8:00-9:50  
 MEETS: AUG 26-DEC 20  
 8789015 3 R 2:10-4:00  
 MEETS: AUG 26-DEC 20  
 8789020 4 W 12:10-2:00  
 MEETS: AUG 26-DEC 20  
 8789025 5 R 12:10-2:00  
 MEETS: AUG 26-DEC 20

CAREERS IN COM SCI COM S 203 R CREDIT  
 Satisfactory-Fail Only.  
 2682005 1 R 12:40-2:00  
 MEETS: AUG 26-OCT 18

FUND CPTR PROGRAMMG COM S 207 3 CREDITS  
 Prereq: MATH 150 OR PLACEMENT INTO MATH 140 OR HIGHER  
 Note: CREDIT FOR EITHER COM S 207 OR COM S 227, BUT NOT BOTH, MAY BE APPLIED TOWARD GRADUATION  
 Night exams scheduled. For dates go to <http://www.registrar.iastate.edu/students/exams/night-exams>.  
 9235005 1 MWF 10:00-10:50  
 W 9:00-9:50  
 MEETS: AUG 26-DEC 20  
 9235010 2 MWF 9:00-9:50  
 MEETS: AUG 26-DEC 20  
 Note: SEC 2 RESTRICTED TO BUS COLLEGE STUDENTS ONLY  
 9235015 3 MWF 1:10-2:00  
 MEETS: AUG 26-DEC 20  
 Note: SEC 3 RESTRICTED TO BUS COLLEGE STUDENTS ONLY

OBJT-ORIEN PROGRAMG COM S 227 4 CREDITS  
 Prereq: CREDIT OR ENROLLMENT IN MATH 143 OR HIGHER; RECOMMENDED: A PREVIOUS HIGH SCHOOL OR COLLEGE COURSE IN PROGRAMMING OR EQUIVALENT EXPERIENC  
 Note: 2-PART COURSE. REGISTER FOR A LECTURE SEC FIRST AND THEN A LAB SEC. STUDENTS WHO DON'T REGISTER FOR BOTH LECTURE AND LAB SHOULD DROP THE COURSE DUE TO INCOMPLETE REGISTRATION.  
 CREDIT FOR EITHER COM S 227 OR COM S 207, BUT NOT BOTH, MAY BE APPLIED TOWARD GRADUATION.  
 Night exams scheduled. For dates go to <http://www.registrar.iastate.edu/students/exams/night-exams>.  
 9237005 A MWF 1:10-2:00  
 MEETS: AUG 26-DEC 20  
 9237010 B MWF 3:10-4:00  
 MEETS: AUG 26-DEC 20  
 9237015 C MWF 10:00-10:50  
 MEETS: AUG 26-DEC 20  
 9237025 1 W 12:10-2:00  
 MEETS: AUG 26-DEC 20  
 9237030 2 W 2:10-4:00  
 MEETS: AUG 26-DEC 20  
 9237035 3 W 4:10-6:00PM  
 MEETS: AUG 26-DEC 20

COMPUTER SCIENCE

(CONTINUED)

OBJT-ORIEN PROGRAMG COM S 227 4 CREDITS  
 9237040 4 W 6:10-8:00PM  
 MEETS: AUG 26-DEC 20  
 9237045 5 R 8:00-9:50  
 MEETS: AUG 26-DEC 20  
 9237050 6 R 10:00-11:50  
 MEETS: AUG 26-DEC 20  
 9237055 7 R 12:10-2:00  
 MEETS: AUG 26-DEC 20  
 9237060 8 R 2:10-4:00  
 MEETS: AUG 26-DEC 20  
 9237065 9 R 6:10-8:00PM  
 MEETS: AUG 26-DEC 20  
 9237070 10 T 2:10-4:00  
 MEETS: AUG 26-DEC 20  
 9237075 11 W 8:00-9:50  
 MEETS: AUG 26-DEC 20

INTRO DATA STRUCTUR COM S 228 3 CREDITS  
 Prereq: C- OR BETTER IN 227, CREDIT OR ENROLLMENT IN MATH 165  
 Note: 2-PART COURSE. REGISTER FOR LETTERED SECTION FIRST AND THEN NUMBERED SECTION. STUDENTS WHO DON'T REGISTER FOR BOTH PARTS OF THE COURSE SHOULD DROP THE COURSE DUE TO INCOMPLETE REGISTRATION.  
 Night exams scheduled. For dates go to <http://www.registrar.iastate.edu/students/exams/night-exams>.  
 9238005 A MWF 9:00-9:50  
 MEETS: AUG 26-DEC 20  
 9238010 B MWF 3:10-4:00  
 MEETS: AUG 26-DEC 20  
 9238015 1 M 11:00-11:50  
 MEETS: AUG 26-DEC 20  
 9238020 2 M 10:00-10:50  
 MEETS: AUG 26-DEC 20  
 9238025 3 M 4:10-5:00  
 MEETS: AUG 26-DEC 20  
 9238030 4 T 11:00-11:50  
 MEETS: AUG 26-DEC 20  
 9238035 5 T 10:00-10:50  
 MEETS: AUG 26-DEC 20  
 9238040 6 T 4:10-5:00  
 MEETS: AUG 26-DEC 20  
 9238045 7 W 4:10-5:00  
 MEETS: AUG 26-DEC 20  
 9238050 8 W 11:00-11:50  
 MEETS: AUG 26-DEC 20  
 9238055 9 W 10:00-10:50  
 MEETS: AUG 26-DEC 20

DISCRETE CMP STRUCT COM S 230 3 CREDITS  
 Prereq: C- OR BETTER IN COM S 227 AND MATH 165; ENGL 150  
 Note: 2-PART COURSE. REGISTER FOR A LECTURE SEC FIRST AND THEN A LAB SEC. STUDENTS WHO DON'T REGISTER FOR BOTH LECTURE AND LAB SHOULD DROP THE COURSE DUE TO INCOMPLETE REGISTRATION.  
 Night exams scheduled. For dates go to <http://www.registrar.iastate.edu/students/exams/night-exams>.  
 4005005 A MWF 1:10-2:00  
 MEETS: AUG 26-DEC 20  
 4005010 B MWF 12:10-1:00  
 MEETS: AUG 26-DEC 20  
 4005100 1 W 9:00-9:50  
 MEETS: AUG 26-DEC 20  
 4005105 2 W 10:00-10:50  
 MEETS: AUG 26-DEC 20  
 4005110 3 W 3:10-4:00  
 MEETS: AUG 26-DEC 20  
 4005115 4 W 10:00-10:50  
 MEETS: AUG 26-DEC 20  
 4005120 5 M 3:10-4:00  
 MEETS: AUG 26-DEC 20  
 4005125 6 W 9:00-9:50  
 MEETS: AUG 26-DEC 20

INDEPENDENT STUDY COM S 290 VAR. CREDITS  
 Prereq: PERMISSION OF INSTRUCTOR  
 Note: NO MORE THAN 6 CREDITS OF COM S 290 OR COM S 290H MAY BE APPLIED TOWARD GRADUATION  
 Instructor permission required 1st week.  
 Satisfactory-Fail Only.  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

INDEP STUDY HONORS COM S 290H VAR. CREDITS  
 Prereq: INSTR PERMISSION, HONORS PROG MEMBERSHIP  
 Note: COURSE RESTRICTED TO STUDENTS IN THE UNIVERSITY HONORS PROGRAM ONLY. NO MORE THAN 6 CREDITS OF COM S 290 OR COM S 290H MAY BE APPLIED TOWARD GRADUATION.  
 Instructor permission required 1st week.  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS



## COMPUTER SCIENCE

(CONTINUED)

SOFTWR DEV PRACTCES COM S 309 3 CREDITS  
Prereq: COM S 228 WITH C- OR BETTER;  
MATH 165 WITH C- OR BETTER  
Note: 2-PART COURSE. REGISTER FOR LETTERED SECTION  
FIRST AND THEN NUMBERED SECTION. STUDENTS WHO DON'T  
REGISTER FOR BOTH PARTS OF THE COURSE SHOULD DROP  
THE COURSE DUE TO INCOMPLETE REGISTRATION.

4438005 A MWF 3:10-4:00  
MEETS: AUG 26-DEC 20

4438015 1 T 11:00-11:50  
MEETS: AUG 26-DEC 20

4438020 2 T 3:10-4:00  
MEETS: AUG 26-DEC 20

4438025 3 T 2:10-3:00  
MEETS: AUG 26-DEC 20

4438030 4 T 3:10-4:00  
MEETS: AUG 26-DEC 20

4438035 5 T 4:10-5:00  
MEETS: AUG 26-DEC 20

4438040 6 T 4:10-5:00  
MEETS: AUG 26-DEC 20

DSN&ANALYSIS ALGRTH COM S 311 3 CREDITS  
Prereq: MINIMUM OF A C- IN COM S 228;  
MATH 166, ENGL 150; COM S 230 OR CPR E 310  
Note: 2-PART COURSE. REGISTER FOR LETTERED SECTION  
FIRST AND THEN NUMBERED SECTION. STUDENTS WHO DON'T  
REGISTER FOR BOTH PARTS OF THE COURSE SHOULD DROP  
THE COURSE DUE TO INCOMPLETE REGISTRATION.  
Night exams scheduled. For dates go to  
[http://www.registrar.iastate.edu/students/exams/  
night-exams](http://www.registrar.iastate.edu/students/exams/night-exams).

2683005 A TR 8:00-9:20  
MEETS: AUG 26-DEC 20

2683010 B TR 4:10-5:30  
MEETS: AUG 26-DEC 20

2683100 1 W 2:10-3:00  
MEETS: AUG 26-DEC 20

2683105 2 R 2:10-3:00  
MEETS: AUG 26-DEC 20

2683110 3 M 2:10-3:00  
MEETS: AUG 26-DEC 20

2683115 4 T 2:10-3:00  
MEETS: AUG 26-DEC 20

2683120 5 R 3:10-4:00  
MEETS: AUG 26-DEC 20

2683125 6 T 1:10-2:00  
MEETS: AUG 26-DEC 20

2683130 7 W 9:00-9:50  
MEETS: AUG 26-DEC 20

2683135 8 M 3:10-4:00  
MEETS: AUG 26-DEC 20

CONSTR USER INTRFAC COM S 319 3 CREDITS  
8537005 1 MWF 2:10-3:00  
MEETS: AUG 26-DEC 20

INTR CPTR ARCH&MACH COM S 321 3 CREDITS  
Prereq: C- OR BETTER IN COM S 228,  
C- OR BETTER IN MATH 165, COM S 230 OR CPR E 281,  
ENGL 250

2684005 1 MWF 12:10-1:00  
MEETS: AUG 26-DEC 20

C FOR PROGRAMMERS COM S 326 1 CREDIT  
Prereq: MINIMUM OF C- IN COM S 228; COM S 230

1592005 1 TR 12:40-2:00  
MEETS: AUG 26-OCT 18

1592010 2 TR 12:40-2:00  
MEETS: OCT 21-DEC 20

ADV PROGRAMMG TCHNQ COM S 327 3 CREDITS  
Prereq: C- OR BETTER IN COM S 228,  
C- OR BETTER IN MATH 165

2454005 1 TR 2:10-3:30  
MEETS: AUG 26-DEC 20

THEORY OF COMPUTING COM S 331 3 CREDITS  
Prereq: C- OR BETTER IN COM S 228, MATH 166,  
AND IN COM S 230 OR CPR E 310; ENGL 250  
Note: 2-PART COURSE. REGISTER FOR LETTERED SECTION  
FIRST AND THEN NUMBERED SECTION. STUDENTS WHO DON'T  
REGISTER FOR BOTH PARTS OF THE COURSE SHOULD DROP  
THE COURSE DUE TO INCOMPLETE REGISTRATION.

2686100 A MWF 9:00-9:50  
MEETS: AUG 26-DEC 20

2686005 1 R 8:00-8:50  
MEETS: AUG 26-DEC 20

2686010 2 W 2:10-3:00  
MEETS: AUG 26-DEC 20

2686015 3 R 3:10-4:00  
MEETS: AUG 26-DEC 20

INTRO CMPTR GRPHICS COM S 336 3 CREDITS  
Prereq: COM S 327; CONCURRENT ENROLLMENT IN  
MATH 207 OR MATH 317

7234005 1 TR 11:00-12:20  
MEETS: AUG 26-DEC 20

## COMPUTER SCIENCE

(CONTINUED)

PRIN PRGR LANGUAGS COM S 342 3 CREDITS  
Prereq: C- OR BETTER IN COM S 228;  
C- OR BETTER IN MATH 165; COM S 230 OR CPR E 310  
Note: 2-PART COURSE. REGISTER FOR LETTERED SECTION  
FIRST AND THEN NUMBERED SECTION. STUDENTS WHO DON'T  
REGISTER FOR BOTH PARTS OF THE COURSE SHOULD DROP  
THE COURSE DUE TO INCOMPLETE REGISTRATION.

2687005 A TR 11:00-12:20  
MEETS: AUG 26-DEC 20

2687100 1 M 12:10-1:00  
MEETS: AUG 26-DEC 20

2687105 2 T 10:00-10:50  
MEETS: AUG 26-DEC 20

2687110 3 W 9:00-9:50  
MEETS: AUG 26-DEC 20

INTRO OPERATING SYS COM S 352 3 CREDITS  
Prereq: COM S 321 OR CPR E 381, AND COM S 327 OR  
CPR E 288; ENGL 250  
Note: 2-PART COURSE. REGISTER FOR LETTERED SECTION  
FIRST AND THEN NUMBERED SECTION. STUDENTS WHO DON'T  
REGISTER FOR BOTH PARTS OF THE COURSE SHOULD DROP  
THE COURSE DUE TO INCOMPLETE REGISTRATION.

2688100 A MWF 2:10-3:00  
MEETS: AUG 26-DEC 20

2688105 B MWF 9:00-9:50  
MEETS: AUG 26-DEC 20

2688005 1 W 3:10-4:00  
MEETS: AUG 26-DEC 20

2688010 2 R 4:10-5:00  
MEETS: AUG 26-DEC 20

OBJCT-ORIEN ANALY&D COM S 362 3 CREDITS  
Prereq: C- OR BETTER IN COM S 228;  
C- OR BETTER IN MATH 165; ENGL 250

2622005 1 TR 3:40-5:00  
MEETS: AUG 26-DEC 20

INTR DATABS MGT SYS COM S 363 3 CREDITS  
Prereq: C- OR BETTER IN COM S 228;  
C- OR BETTER IN MATH 165; ENGL 250

2689005 1 TR 2:10-3:30  
MEETS: AUG 26-DEC 20

2689010 2 TR 8:00-9:20  
MEETS: AUG 26-DEC 20

COOPERATIVE EDUCATN COM S 398 R CREDIT  
Prereq: PERMISSION OF DEPARTMENT CHAIR  
Note: Instructor permission required.

2691005 1 ARRANGED  
MEETS: AUG 26-DEC 20

CPR SCI SENIOR PROJ COM S 402C 2- 3 CREDITS  
Prereq: COM S 309, COM S 311, COM S 321, AND  
COM S 331, SENIOR CLASSIFICATION  
Note: NO MORE THAN 6 CREDITS OF COM S 402A, COM S 402B,  
AND COM S 402C MAY BE APPLIED TOWARD GRADUATION  
Instructor permission required.

9711005 1 ARRANGED  
MEETS: AUG 26-DEC 20

APPLD FORMAL METHDS COM S 407X 3 CREDITS  
Prereq: MATH 166 AND INSTRUCTOR PERMISSION

0178005 1 TR 11:00-12:15 ROZIER K  
MEETS: AUG 26-DEC 20

SOFTWRE REQMTS ENGR COM S 409 3 CREDITS  
Prereq: 309, ENGL 250 OR ENGL 105, SP CM 212

8508005 1 TR 9:30-10:50  
MEETS: AUG 26-DEC 20

DISTRIB SFTWRE DEVL COM S 410 3 CREDITS  
Prereq: COM S 228, COM S 309, COM S 327

9354005 1 M 6:10-9:35PM  
MEETS: AUG 26-DEC 20

SMART HOME GERONTEC COM S 414 3 CREDITS  
Prereq: COM S 227 OR COM S 207 OR GERON 377  
OR ARTGR 271 OR EQUIVALENT

2781005 1 TR 2:10-3:30  
MEETS: AUG 26-DEC 20

SOFTWARE TESTING COM S 417 3 CREDITS  
Prereq: COM S 309, COM S 230 OR CPR E 310;  
ENGL 250, SP CM 212

2712005 1 TR 8:00-9:20  
MEETS: AUG 26-DEC 20

LOGIC MATH&CPTR SCI COM S 421 3 CREDITS  
Prereq: MATH 301 OR MATH 207 OR MATH 317 OR  
COM S 230

6476005 1 TR 11:00-12:20  
MEETS: AUG 26-DEC 20

INTR HI PRFM CMPUTG COM S 424 3 CREDITS  
Prereq: MATH 265; MATH 207 OR MATH 317; OR  
PERMISSION OF INSTRUCTOR

9828005 1 TR 2:10-4:00  
MEETS: AUG 26-DEC 20

COMPUTER SCIENCE (CONTINUED)

LG DATA SET ALGRTHM COM S 435 3 CREDITS  
Prereq: COM S 311 OR EQUIVALENT  
9618005 1 TR 9:30-10:50  
MEETS: AUG 26-DEC 20

BIOINFORMATC ANALYS COM S 444 4 CREDITS  
Prereq: MATH 165 AND INTRODUCTORY STATISTICS  
(STAT 101, STAT 104, STAT 105, STAT 201, OR STAT 330)  
8542005 1 TR 11:00-12:20  
W 2:10-4:00  
MEETS: AUG 26-DEC 20

PRIN ARTIFCL INTELL COM S 472 3 CREDITS  
Prereq: COM S 311, STAT 330 OR STAT 305, ENGL  
250, SP CM 212  
7902005 1 MWF 11:00-11:50  
R 9:00-9:50  
MEETS: AUG 26-DEC 20

PROB SOLV TCNQ APPL COM S 477 3 CREDITS  
Prereq: 228; 330 OR CPR E 310, MATH 166, MATH 307  
OR 317, OR INSTRUCTOR PERMISSION  
6263005 1 TR 2:10-3:30  
MEETS: AUG 26-DEC 20

INDEPENDENT STUDY COM S 490 VAR. CREDITS  
Prereq: 6 CR. IN COM S, PERMISSION OF INSTRUCTOR  
Note: NO MORE THAN 9 CREDITS OF COM S 490 OR  
COM S 490H MAY BE APPLIED TOWARD GRADUATION  
Instructor permission required 1st week.  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

INDEP STUDY HONORS COM S 490H VAR. CREDITS  
Prereq: 6 CREDITS IN COM S, PERMISSION OF  
INSTRUCTOR, MEMBERSHIP IN HONORS PROGRAM  
Note: NO MORE THAN 9 CREDITS OF COM S 490 OR COM S 490H  
MAY BE APPLIED TOWARD GRADUATION. RESTRICTED TO  
STUDENTS IN THE UNIVERSITY HONORS PROGRAM ONLY.  
Instructor permission required 1st week.  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

APPLD FORMAL METHDS COM S 507X 3 CREDITS  
Prereq: MATH 166 AND INSTRUCTOR PERMISSION  
0179005 1 TR 11:00-12:15 ROZIER K  
MEETS: AUG 26-DEC 20

SOFTWARE REQMTS ENGR COM S 509 3 CREDITS  
Prereq: COM S 309; FOR GRADUATE CREDIT: GRADUATE  
STANDING OR PERMISSION OF INSTRUCTOR  
8523005 1 TR 9:30-10:50  
MEETS: AUG 26-DEC 20

DISTRIB SFTWRE DEVL COM S 510 3 CREDITS  
Prereq: COM S 228, COM S 229, COM S 309;  
FOR GRADUATE CREDIT: GRADUATE STANDING OR  
PERMISSION OF INSTRUCTOR  
7157005 1 M 6:10-9:35PM  
MEETS: AUG 26-DEC 20

DSN&ANALYSIS ALGTHM COM S 511 3 CREDITS  
Prereq: 311  
2706005 1 MWF 1:10-2:00  
MEETS: AUG 26-DEC 20

SMART HOME GERONTEC COM S 514 3 CREDITS  
Prereq: COM S 227 OR COM S 207 OR GERON 377  
OR ARTGR 271 OR EQUIVALENT; GRADUATE STANDING OR  
PERMISSION OF INSTRUCTOR  
2786005 1 TR 2:10-3:30  
MEETS: AUG 26-DEC 20

CONCURRENT SYSTEMS COM S 527X 3 CREDITS  
Prereq: COM S 352  
0140005 1 M 9:00-9:50  
MEETS: AUG 26-DEC 20

LG DATA SET ALGRTHM COM S 535 3 CREDITS  
Prereq: COM S 311 OR EQUIVALENT; GRADUATE  
STANDING OR PERMISSION OF INSTRUCTOR  
9619005 1 TR 9:30-10:50  
MEETS: AUG 26-DEC 20

PRIN OPERAT SYSTEMS COM S 552 3 CREDITS  
Prereq: GRADUATE STANDING OR INSTRUCTOR PERMISSN  
2713005 1 MWF 10:00-10:50  
MEETS: AUG 26-DEC 20

CPTR GRPHC&GEOM MOD COM S 557 3 CREDITS  
5204005 1 TR 2:10-3:30  
MEETS: AUG 26-DEC 20

PRIN&INTRNLS DATABS COM S 561 3 CREDITS  
Prereq: GRADUATE CLASSIFICATION  
2715005 1 TR 3:40-5:00  
W 1:10-2:00  
MEETS: AUG 26-DEC 20

COMPUTER SCIENCE (CONTINUED)

BIOINFMTC ALGORITHMS COM S 567 3 CREDITS  
Prereq: COM S 228, COM S 330; CREDIT OR  
ENROLLMENT IN BIOL 315, STAT 430  
3275005 1 TR 11:00-12:20  
MEETS: AUG 26-DEC 20

STRUC GENOM INFRMTC COM S 569 3 CREDITS  
Prereq: BCB 567, BBMB 316, GEN 409, STAT 430  
3311005 1 TR 12:40-1:55  
MEETS: AUG 26-DEC 20

PRIN ARTIFCL INTELL COM S 572 3 CREDITS  
Prereq: COM S 311, STAT 330 OR STAT 305, ENGL  
250, SP CM 212; GRADUATE STANDING OR PERMISSION OF  
INSTRUCTOR  
9065005 1 MWF 12:10-1:00  
MEETS: AUG 26-DEC 20

PROB SOLV TCNQ APPL COM S 577 3 CREDITS  
Prereq: COM S 228; COM S 230 OR CPR E 310;  
MATH 166, MATH 207 OR MATH 317, OR CONSENT OF  
THE INSTRUCTOR  
6264005 1 TR 2:10-3:30  
MEETS: AUG 26-DEC 20

MACHINE LRNG OPTIMZ COM S 578X 3 CREDITS  
Prereq: COM S 472, COM S 474, OR INSTRUCTOR  
PERMISSION  
0141005 1 MWF 3:10-4:00  
MEETS: AUG 26-DEC 20

CPR SYS ARCHITECTUR COM S 581 3 CREDITS  
Prereq: CPR E 381  
2341005 1 MWF 10:00-10:50  
MEETS: AUG 26-DEC 20

SPECIAL TOPICS COM S 590 VAR. CREDITS  
Prereq: PERMISSION OF INSTRUCTOR  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

RESEARCH COLLOQUIA COM S 592 1 CREDIT  
Prereq: GRADUATE CLASSIFICATION  
Satisfactory-Fail Only.  
8406005 1 ARRANGED  
MEETS: AUG 26-DEC 20

GRADUATE INTERNSHIP COM S 598 R CREDIT  
Prereq: GRADUATE CLASSIFICATION  
5627005 1 ARRANGED  
MEETS: AUG 26-DEC 20

CREATIVE COMPONENT COM S 599 1- 3 CREDITS  
Satisfactory-Fail Only.  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

SEMINAR COM S 610 VAR. CREDITS  
Satisfactory-Fail Only.  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

ADV TOP CMP RANDMNS COM S 633 3 CREDITS  
Prereq: COM S 531  
9466005 1 MWF 11:00-11:50  
MEETS: AUG 26-DEC 20

ADV TOP LANG SMANTC COM S 641 3 CREDITS  
Prereq: COM S 531, COM S 541  
2725005 1 TR 3:40-5:00  
MEETS: AUG 26-DEC 20

RESEARCH COM S 699 VAR. CREDITS  
Prereq: APPROVAL OF INSTRUCTOR  
Note: Instructor permission required 1st week.  
Satisfactory-Fail Only.  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

## CONSTRUCTION ENGINEERING

ORIENT TO ACAD LIFE CON E 121 1 CREDIT  
5255005 1 R 4:10-6:00PM  
MEETS: AUG 26-DEC 20

CONTRACTR ORG & MGT CON E 222 3 CREDITS  
Prereq: COMPLETION OF BASIC PROGRAM  
2363005 1 MW 11:00-11:50  
M 4:10-6:00PM  
MEETS: AUG 26-DEC 20

CONSTR MATLS&METHDS CON E 241 3 CREDITS  
Prereq: COMPLETION OF BASIC PROGRAM  
Note: COURSE RESTRICTED TO CON E MAJORS ONLY  
2730005 1 MW 12:10-1:00  
R 8:00-10:50  
MEETS: AUG 26-DEC 20

CONSTRUCTION ENGINEERING (CONTINUED)

MECH/ELEC MTRLS&MTH CON E 251 1 CREDIT  
 Prereq: CREDIT OR ENROLLMENT IN 241  
 2377005 1 T 3:10-6:00PM  
 MEETS: AUG 26-DEC 20

CON EQUIP&HVY C MTH CON E 322 3 CREDITS  
 Prereq: CON E 222 AND CON E 241; OR C E 306 IN  
 LIEU OF CON E 222 AND CON E 241  
 2737005 1 T 12:10-2:00  
 R 12:10-2:00  
 MEETS: AUG 26-DEC 20

CONCRET&STEEL CONST CON E 340 3 CREDITS  
 Prereq: E M 324 AND CON E 322; OR C E 306 IN  
 LIEU OF CON E 322  
 2741005 1 M 4:10-6:00PM  
 W 4:10-6:00PM  
 MEETS: AUG 26-DEC 20

MECHAN SYS IN BLDGS CON E 352 3 CREDITS  
 Prereq: CON E 222, CON E 251, PHYS 222;  
 OR PERMISSION OF INSTRUCTOR  
 5313005 1 MW 1:10-2:00  
 R 2:10-4:00  
 MEETS: AUG 26-DEC 20

ELECTR SYS IN BLDGS CON E 353 3 CREDITS  
 Prereq: PHYS 222 AND CREDIT OR ENROLLMENT IN  
 CON E 352; OR PERMISSION OF INSTRUCTOR  
 5317005 1 MW 10:00-10:50  
 F 10:00-11:50  
 MEETS: AUG 26-DEC 20

ENGINEERING LAW CON E 380 3 CREDITS  
 Prereq: JUNIOR CLASSIFICATION  
 5102005 1A MW 3:10-4:30  
 MEETS: AUG 26-DEC 20  
 Note: SECTION 1A RESTRICTED TO CON E MAJORS ONLY  
 5102010 1B MW 3:10-4:30  
 MEETS: AUG 26-DEC 20  
 Note: SECTION 1B RESTRICTED TO MAJORS OTHER THAN CON E

BID CONST I:HVY&HWY CON E 381A 1 CREDIT  
 Prereq: PERMISSION OF INSTRUCTOR  
 6244005 1 T 5:10-7:00PM  
 MEETS: AUG 26-DEC 20  
 Note: THERE WILL BE 7 MTGS. DATES TO BE ANN.

COOPERATIVE EDUCATN CON E 398 R CREDIT  
 Prereq: 298, PERMISSION OF DEPT AND ENGINEERING  
 CAREER SERVICES  
 Satisfactory-Fail Only.  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

CONSTR COST EST&ENG CON E 422 3 CREDITS  
 Prereq: CON E 241, CON E 251, I E 305  
 2747005 1 T 9:30-11:20  
 R 9:30-11:20  
 MEETS: AUG 26-DEC 20

CON PLAN,SCHED,CNTL CON E 441 3 CREDITS  
 Prereq: CREDIT OR ENROLLMENT IN CON E 422  
 2742010 1 MW 11:00-11:50  
 T 12:10-2:00  
 MEETS: AUG 26-DEC 20

BID CNST II:HVY&HWY CON E 481A 1 CREDIT  
 Prereq: PERMISSION OF INSTRUCTOR  
 6599005 1 T 5:10-7:00PM  
 MEETS: AUG 26-DEC 20

CONSTRUC E DESIGN I CON E 487 3 CREDITS  
 Prereq: CON E 340 (B,H), CON E 352 (B,E,M),  
 CON E 353 (B,E,M), CON E 422, CON E 441. STUDENT  
 MUST BE WITHIN TWO SEMESTERS OF GRADUATING.  
 7639005 1 MF 12:10-1:00  
 T 11:00-1:00  
 MEETS: AUG 26-DEC 20  
 7639010 2 MF 12:10-1:00  
 T 3:10-5:00  
 MEETS: AUG 26-DEC 20

CON ENGR DESIGN II CON E 488 3 CREDITS  
 Prereq: CON E 340 (B,H), CON E 352 (B,E,M),  
 CON E 353 (B,E,M), CON E 422, CON E 441. STUDENT  
 MUST BE WITHIN TWO SEMESTERS OF GRADUATING.  
 7524005 1 M 9:00-9:50  
 M 10:00-10:50  
 WF 9:00-10:50  
 MEETS: AUG 26-DEC 20

INDEPENDENT STUDY CON E 490 1- 3 CREDITS  
 Prereq: PERMISSION OF INSTRUCTOR  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

CRIMINAL JUSTICE STUDIES

INTR CRIMINL JUSTIC CJ ST 240 3 CREDITS  
 4719005 1 TR 11:00-12:20  
 MEETS: AUG 26-DEC 20

YOUTH & CRIME CJ ST 241 3 CREDITS  
 2576005 1 TR 9:30-10:50  
 MEETS: AUG 26-DEC 20  
 2576010 2 MWF 2:10-3:00  
 MEETS: AUG 26-DEC 20

PHILOSOPHY OF LAW CJ ST 332 3 CREDITS  
 Prereq: PHIL 201 OR 230  
 Note: Instructor permission required 1st week.  
 2578005 1 TR 12:40-3:00  
 MEETS: AUG 26-DEC 20

LIBERTY&LAW IN AMER CJ ST 339 3 CREDITS  
 Prereq: SOPHOMORE CLASSIFICATION  
 9804005 1 MWF 9:00-9:50  
 MEETS: AUG 26-DEC 20

CRIMINOLOGY CJ ST 341 3 CREDITS  
 Prereq: CJ ST 240  
 3175005 A1 MWF 9:00-9:50  
 MEETS: AUG 26-DEC 20  
 Note: SECTION A1 RESTRICTED TO SOC, INDIS - CJ ST  
 P S A, AG SO MAJORS ONLY  
 3175010 A2 MWF 9:00-9:50  
 MEETS: AUG 26-DEC 20  
 Note: SECTION A2 RESTRICTED TO MAJORS OTHER THAN  
 SOC, INDIS - CJ ST, P S A, AG SO

POLICE AND SOCIETY CJ ST 351 3 CREDITS  
 Prereq: CJ ST 241 OR SOC 241 OR CJ ST 240  
 7751005 1 TR 3:40-5:00  
 MEETS: AUG 26-DEC 20

CAPITAL PUNISHMENT CJ ST 410 3 CREDITS  
 Prereq: CJ ST 240  
 8888005 1 MWF 2:10-3:00 BURGASON K  
 MEETS: AUG 26-DEC 20

CRIM & JUV JUST PRAC CJ ST 460 3-12 CREDITS  
 Prereq: JR OR SR CLASSIFICATION; PERMISSION  
 OF CJ ST COORDINATOR; MAJOR OR MINOR IN CJ ST  
 Note: NO MORE THAN 9 CREDITS OF SOC 460/CJ ST 460  
 MAY BE APPLIED TOWARD GRADUATION. NO CREDITS IN  
 SOC 460/CJ ST 460 MAY BE USED TO SATISFY MINIMUM  
 SOCIOLOGY REQUIREMENTS FOR SOCIOLOGY MAJORS.  
 Satisfactory-Fail Only.  
 2581005 1 ARRANGED DELISI M  
 MEETS: AUG 26-DEC 20

TOPIC CRIM&JUV JUST CJ ST 484 3 CREDITS  
 Prereq: 6 CREDITS IN CJ ST AND PERMISSION OF  
 INSTRUCTOR  
 2624005 1 M 5:30-8:30PM DRURY A  
 MEETS: AUG 26-DEC 20  
 Note: SEC 1 TOPIC: CORRECTIONAL TREATMENT &  
 SUPERVISION  
 2624010 2 TR 9:30-10:50 DELISI M  
 MEETS: AUG 26-DEC 20  
 Note: SEC 2 TOPIC: HOMICIDE

MODERN DANCE I DANCE 120 1 CREDIT  
 Satisfactory-Fail Only.  
 2838005 1 MW 11:00-12:15  
 MEETS: AUG 26-DEC 20

BALLET I DANCE 130 1 CREDIT  
 Satisfactory-Fail Only.  
 2839005 1 TR 11:00-12:15  
 MEETS: AUG 26-DEC 20

JAZZ I DANCE 140 1 CREDIT  
 Satisfactory-Fail Only.  
 2840005 1 TR 12:40-2:00  
 MEETS: AUG 26-DEC 20

TAP DANCE I DANCE 150 1 CREDIT  
 Satisfactory-Fail Only.  
 2841005 1 MW 3:10-4:15  
 MEETS: AUG 26-DEC 20

BALLROOM DANCE I DANCE 160 1 CREDIT  
 Satisfactory-Fail Only.  
 2842005 1 TR 10:00-10:50  
 MEETS: AUG 26-DEC 20  
 Note: SECTN 1 FOR MEN ONLY. MEETS WITH SECTION 2.  
 2842010 2 TR 10:00-10:50  
 MEETS: AUG 26-DEC 20  
 Note: SECTN 2 FOR WOMEN ONLY. MEETS WITH SECTN 1.  
 2842015 3 TR 11:00-11:50  
 MEETS: AUG 26-DEC 20  
 Note: SECTN 3 FOR MEN ONLY. MEETS WITH SECTION 4.  
 2842020 4 TR 11:00-11:50  
 MEETS: AUG 26-DEC 20  
 Note: SECTN 4 FOR WOMEN ONLY. MEETS WITH SECTN 3.

DANCE

(CONTINUED)

MODERN DANCE COMPOS DANCE 220 2 CREDITS  
 Prereq: 120 OR PREVIOUS MODERN DANCE EXPERIENCE  
 2846005 1 TR 2:10-4:00  
 MEETS: AUG 26-DEC 20

MODERN DANCE II DANCE 222 1 CREDIT  
 Prereq: 120 OR PREVIOUS MODERN DANCE EXPERIENCE  
 2847005 1 MW 2:10-3:25  
 MEETS: AUG 26-DEC 20

CONCERT&THTRE DANCE DANCE 224 .5- 2 CREDITS  
 Prereq: BY AUDITION ONLY  
 Note: Instructor permission required 1st week.  
 Satisfactory-Fail Only.  
 2849005 1 ARRANGED  
 MEETS: AUG 26-DEC 20  
 Note: SECTION 1 OFFERED FOR 1 CREDIT  
 2849010 2 ARRANGED  
 MEETS: AUG 26-DEC 20  
 Note: SECTION 2 OFFERED FOR 2 CREDITS

BALLET III DANCE 233 1 CREDIT  
 Prereq: 232  
 2851005 1 MW 12:10-1:20  
 MEETS: AUG 26-DEC 20

JAZZ II DANCE 242 1 CREDIT  
 Prereq: PREVIOUS JAZZ DANCE EXPERIENCE  
 2852005 1 TR 2:10-3:30  
 MEETS: AUG 26-DEC 20

YOGA MOVEMENT DANCE 250 1 CREDIT  
 9549005 1 TR 4:10-5:00  
 MEETS: AUG 26-DEC 20

DANCE APPRECIATION DANCE 270 3 CREDITS  
 Note: Meets international perspectives reqmt  
 2855005 1 MWF 1:10-2:00  
 MEETS: AUG 26-DEC 20

ADV STUDIES DANCE DANCE 370 1- 3 CREDITS  
 Prereq: 2 CR IN DANCE, ADVANCE REGISTRATION REQ'D  
 Note: Instructor permission required 1st week.  
 2858005 1 ARRANGED  
 MEETS: AUG 26-DEC 20

MTHD OF TCHNG DANCE DANCE 385 2 CREDITS  
 2860005 1 MWF 11:00-11:50  
 MEETS: AUG 26-DEC 20

INDEPEN STUDY DANCE DANCE 490A 1- 3 CREDITS  
 Prereq: 6 CR IN DANCE, PERMISSION OF COORDINATOR  
 Note: Instructor permission required 1st week.  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

HONORS INDEP STUDY DANCE 490H 1- 3 CREDITS  
 Prereq: 6 CR IN DANCE, PERMISSION OF COORDINATOR,  
 MEMBERSHIP IN UNIVERSITY HONORS PROGRAM  
 Note: Instructor permission required 1st week.  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

DATA SCIENCE

ORIENTATN DATA SCI DS 110 R CREDIT  
 Satisfactory-Fail Only.  
 0008005 1 R 9:00-9:50  
 MEETS: AUG 26-DEC 20

INTRO DATA SCIENCE DS 201 3 CREDITS  
 Prereq: 1 1/2 YEARS OF HIGH SCHOOL ALGEBRA  
 9812005 1 MW 2:10-3:00  
 F 1:10-3:00  
 MEETS: AUG 26-DEC 20

DATA ACQUISN&ANALYS DS 202 3 CREDITS  
 Prereq: DS 201X  
 9884005 1 TR 12:40-2:00  
 MEETS: AUG 26-DEC 20

APP DATA MODEL&ANLY DS 301 3 CREDITS  
 Prereq: LAS 201; ONE OF STAT 101, STAT 104,  
 STAT 105, STAT 201, STAT 226, STAT 231, STAT 305,  
 STAT 322, STAT 330  
 9887005 1 MWF 9:00-9:50  
 MEETS: AUG 26-DEC 20

MACHINE LRN CONCPTS DS 303 3 CREDITS  
 Prereq: DS 201  
 0007005 1 MWF 10:00-10:50  
 MEETS: AUG 26-DEC 20

DESIGN

DESIGN THINKING DES 230 3 CREDITS  
 Note: COURSE RESTRICTED TO MAJORS OTHER THAN  
 P ARC, P ID, P IND, P LA, P GR, DSGN  
 4957005 1 MW 11:00-12:20  
 MEETS: AUG 26-DEC 20

INTDSC FOUND STDO I DES 241 4 CREDITS  
 Prereq: COMPLETION OF COLLEGE OF DESIGN CORE  
 PROGRAM OR PERMISSION OF INSTRUCTOR  
 9768005 1 TR 9:00-12:20  
 MEETS: AUG 26-DEC 20

DESIGN FORUM DES 250 2 CREDITS  
 Prereq: DSN S 102, DSN S 131, DSN S 183,  
 CREDIT OR CONCURRENT ENROLLMENT IN DES 230  
 4960005 1 F 10:00-11:50  
 MEETS: AUG 26-DEC 20

DESIGN STUDIO II DES 340 2 CREDITS  
 Prereq: 4 CREDITS OF DES 240 OR EQUIVALENT  
 Note: COURSE RESTRICTED TO MAJORS OTHER THAN  
 P ARC, P ID, P IND, P LA, P GR, DSGN  
 FIELD TRIPS & TRAVEL FEE: \$25.00 - \$150.00  
 6434005 1 MW 5:10-8:30PM  
 MEETS: OCT 21-DEC 20  
 6434020 4 MW 1:10-4:30  
 MEETS: AUG 26-OCT 18

PORTFOLIO &PRO PREP DES 491 4 CREDITS  
 Prereq: CLASSIFICATION AS A DES MAJOR;  
 4 CREDITS OF DES 240  
 Note: COURSE RESTRICTED TO DES, I DES MAJORS ONLY  
 7545005 1 MW 9:00-10:50  
 MEETS: AUG 26-DEC 20

DESIGN STUDIES

DESIGN STUDIO I DSN S 102 4 CREDITS  
 Note: ODD-NUMBERED SECTIONS RESTRICTED TO COLLEGE OF  
 DESIGN MAJORS. EVEN-NUMBERED SECTIONS RESTRICTED TO  
 COLLEGES OTHER THAN DESIGN.  
 8050005 1 MW 9:00-11:50  
 F 9:00-9:50  
 MEETS: AUG 26-DEC 20  
 Note: Instructor permission required 1st week.

8050010 2 MW 9:00-11:50  
 F 9:00-9:50  
 MEETS: AUG 26-DEC 20  
 Note: Instructor permission required 1st week.

8050015 3 MW 9:00-11:50  
 F 9:00-9:50  
 MEETS: AUG 26-DEC 20  
 Note: Instructor permission required 1st week.

8050020 4 MW 9:00-11:50  
 F 9:00-9:50  
 MEETS: AUG 26-DEC 20  
 Note: Instructor permission required 1st week.

8050025 5 MW 9:00-11:50  
 F 9:00-9:50  
 MEETS: AUG 26-DEC 20  
 Note: Instructor permission required 1st week.

8050030 6 MW 9:00-11:50  
 F 9:00-9:50  
 MEETS: AUG 26-DEC 20  
 Note: Instructor permission required 1st week.

8050035 7 MW 9:00-11:50  
 F 9:00-9:50  
 MEETS: AUG 26-DEC 20  
 Note: Instructor permission required 1st week.

8050036 8 MW 9:00-11:50  
 F 9:00-9:50  
 MEETS: AUG 26-DEC 20  
 Note: Instructor permission required 1st week.

8050045 9 MW 12:10-3:00  
 F 9:00-9:50  
 MEETS: AUG 26-DEC 20  
 Note: Instructor permission required 1st week.

8050050 10 MW 12:10-3:00  
 F 9:00-9:50  
 MEETS: AUG 26-DEC 20  
 Note: Instructor permission required 1st week.

8050055 11 MW 12:10-3:00  
 F 9:00-9:50  
 MEETS: AUG 26-DEC 20  
 Note: Instructor permission required 1st week.

8050060 12 MW 12:10-3:00  
 F 9:00-9:50  
 MEETS: AUG 26-DEC 20  
 Note: Instructor permission required 1st week.

8050065 13 MW 12:10-3:00  
 F 9:00-9:50  
 MEETS: AUG 26-DEC 20  
 Note: Instructor permission required 1st week.

8050070 14 MW 12:10-3:00  
 F 9:00-9:50  
 MEETS: AUG 26-DEC 20  
 Note: Instructor permission required 1st week.

8050075 15 MW 12:10-3:00  
 F 9:00-9:50  
 MEETS: AUG 26-DEC 20  
 Note: Instructor permission required 1st week.

DESIGN STUDIES (CONTINUED)

DESIGN STUDIES (CONTINUED)

DESIGN STUDIO I DSN S 102 4 CREDITS  
 8050080 16 MW 12:10-3:00  
 F 9:00-9:50  
 MEETS: AUG 26-DEC 20  
 Note: Instructor permission required 1st week.  
 8050085 17 TR 8:00-10:50  
 F 9:00-9:50  
 MEETS: AUG 26-DEC 20  
 Note: Instructor permission required 1st week.  
 8050090 18 TR 8:00-10:50  
 F 9:00-9:50  
 MEETS: AUG 26-DEC 20  
 Note: Instructor permission required 1st week.  
 8050095 19 TR 8:00-10:50  
 F 9:00-9:50  
 MEETS: AUG 26-DEC 20  
 Note: Instructor permission required 1st week.  
 8050100 20 TR 8:00-10:50  
 F 9:00-9:50  
 MEETS: AUG 26-DEC 20  
 Note: Instructor permission required 1st week.  
 8050105 21 TR 8:00-10:50  
 F 9:00-9:50  
 MEETS: AUG 26-DEC 20  
 Note: Instructor permission required 1st week.  
 8050110 22 TR 8:00-10:50  
 F 9:00-9:50  
 MEETS: AUG 26-DEC 20  
 Note: Instructor permission required 1st week.  
 8050115 23 TR 11:00-1:50  
 F 9:00-9:50  
 MEETS: AUG 26-DEC 20  
 Note: Instructor permission required 1st week.  
 8050120 24 TR 11:00-1:50  
 F 9:00-9:50  
 MEETS: AUG 26-DEC 20  
 Note: Instructor permission required 1st week.  
 8050125 25 TR 11:00-1:50  
 F 9:00-9:50  
 MEETS: AUG 26-DEC 20  
 Note: Instructor permission required 1st week.  
 8050130 26 TR 11:00-1:50  
 F 9:00-9:50  
 MEETS: AUG 26-DEC 20  
 Note: Instructor permission required 1st week.  
 8050135 27 TR 11:00-1:50  
 F 9:00-9:50  
 MEETS: AUG 26-DEC 20  
 Note: Instructor permission required 1st week.  
 8050149 28 TR 11:00-1:50  
 F 9:00-9:50  
 MEETS: AUG 26-DEC 20  
 Note: Instructor permission required 1st week.  
 8050145 29 TR 11:00-1:50  
 F 9:00-9:50  
 MEETS: AUG 26-DEC 20  
 Note: Instructor permission required 1st week.  
 8050150 30 TR 11:00-1:50  
 F 9:00-9:50  
 MEETS: AUG 26-DEC 20  
 Note: Instructor permission required 1st week.

DESIGN EXCH SEMIN I DSN S 110 1 CREDIT  
 Prereq: MEMBER OF DESIGN EXCHANGE LEARN COMMUNITY  
 Satisfactory-Fail Only.  
 7652005 1 T 6:00-7:30PM  
 MEETS: AUG 26-DEC 20

DESIGN COLLABOR SEM DSN S 115 .5 CREDIT  
 Prereq: MEMBER OF DESIGN COLLABORATIVE LEARNING  
 COMMUNITY  
 Satisfactory-Fail Only.  
 7947005 1 F 8:00-8:50  
 MEETS: AUG 26-DEC 20  
 7947010 2 W 8:00-8:50  
 MEETS: AUG 26-DEC 20

GLB LRN COMM ORIENT DSN S 118X .5 CREDIT  
 Satisfactory-Fail Only.  
 0012005 1 F 2:10-3:00  
 MEETS: AUG 26-DEC 20

DRAWING I DSN S 131 4 CREDITS  
 Note: ODD-NUMBERED SECTIONS RESTRICTED TO COLLEGE  
 OF DESIGN MAJORS. EVEN NUMBERED SECTION RESTRICTED  
 TO MAJORS FROM COLLEGES OTHER THAN DESIGN.  
 Instructor permission required 1st week.  
 2124005 1 MW 9:00-11:50  
 TR 3:40-4:30  
 MEETS: AUG 26-DEC 20  
 2124010 2 MW 9:00-11:50  
 TR 3:40-4:30  
 MEETS: AUG 26-DEC 20  
 2124015 3 MW 9:00-11:50  
 TR 3:40-4:30  
 MEETS: AUG 26-DEC 20  
 2124020 4 MW 9:00-11:50  
 TR 3:40-4:30  
 MEETS: AUG 26-DEC 20  
 2124025 5 MW 9:00-11:50  
 TR 3:40-4:30  
 MEETS: AUG 26-DEC 20  
 2124030 6 MW 9:00-11:50  
 TR 3:40-4:30  
 MEETS: AUG 26-DEC 20

DRAWING I DSN S 131 4 CREDITS  
 2124035 7 MW 9:00-11:50  
 TR 3:40-4:30  
 MEETS: AUG 26-DEC 20  
 2124040 8 MW 9:00-11:50  
 TR 3:40-4:30  
 MEETS: AUG 26-DEC 20  
 2124045 9 MW 12:10-3:00  
 TR 3:40-4:30  
 MEETS: AUG 26-DEC 20  
 2124050 10 MW 12:10-3:00  
 TR 3:40-4:30  
 MEETS: AUG 26-DEC 20  
 2124055 11 MW 12:10-3:00  
 TR 3:40-4:30  
 MEETS: AUG 26-DEC 20  
 2124060 12 MW 12:10-3:00  
 TR 3:40-4:30  
 MEETS: AUG 26-DEC 20  
 2124065 13 MW 12:10-3:00  
 TR 3:40-4:30  
 MEETS: AUG 26-DEC 20  
 2124070 14 MW 12:10-3:00  
 TR 3:40-4:30  
 MEETS: AUG 26-DEC 20  
 2124075 15 MW 3:10-6:00PM  
 TR 3:40-4:30  
 MEETS: AUG 26-DEC 20  
 2124080 16 MW 3:10-6:00PM  
 TR 3:40-4:30  
 MEETS: AUG 26-DEC 20  
 2124085 17 MW 3:10-6:00PM  
 TR 3:40-4:30  
 MEETS: AUG 26-DEC 20  
 2124090 18 MW 3:10-6:00PM  
 TR 3:40-4:30  
 MEETS: AUG 26-DEC 20  
 2124095 19 MW 3:10-6:00PM  
 TR 3:40-4:30  
 MEETS: AUG 26-DEC 20  
 2124100 20 MW 3:10-6:00PM  
 TR 3:40-4:30  
 MEETS: AUG 26-DEC 20  
 2124105 21 TR 8:00-10:50  
 TR 3:40-4:30  
 MEETS: AUG 26-DEC 20  
 2124110 22 TR 8:00-10:50  
 TR 3:40-4:30  
 MEETS: AUG 26-DEC 20  
 2124115 23 TR 8:00-10:50  
 TR 3:40-4:30  
 MEETS: AUG 26-DEC 20  
 2124120 24 TR 8:00-10:50  
 TR 3:40-4:30  
 MEETS: AUG 26-DEC 20  
 2124125 25 TR 8:00-10:50  
 TR 3:40-4:30  
 MEETS: AUG 26-DEC 20  
 2124130 26 TR 8:00-10:50  
 TR 3:40-4:30  
 MEETS: AUG 26-DEC 20  
 2124135 27 TR 11:00-1:50  
 TR 3:40-4:30  
 MEETS: AUG 26-DEC 20  
 2124140 28 TR 11:00-1:50  
 TR 3:40-4:30  
 MEETS: AUG 26-DEC 20  
 2124145 29 TR 11:00-1:50  
 TR 3:40-4:30  
 MEETS: AUG 26-DEC 20  
 2124150 30 TR 11:00-1:50  
 TR 3:40-4:30  
 MEETS: AUG 26-DEC 20  
 2124155 31 TR 11:00-1:50  
 TR 3:40-4:30  
 MEETS: AUG 26-DEC 20  
 2124160 32 TR 11:00-1:50  
 TR 3:40-4:30  
 MEETS: AUG 26-DEC 20  
 2124165 33 TR 8:00-10:50  
 TR 3:40-4:30  
 MEETS: AUG 26-DEC 20  
 2124170 34 TR 8:00-10:50  
 TR 3:40-4:30  
 MEETS: AUG 26-DEC 20

DESIGN IN CONTEXT DSN S 183 3 CREDITS  
 5945005 1 TR 2:10-3:00  
 F 10:00-10:50  
 MEETS: AUG 26-DEC 20  
 5945010 2 TR 2:10-3:00  
 F 10:00-10:50  
 MEETS: AUG 26-DEC 20  
 5945015 3 TR 2:10-3:00  
 F 10:00-10:50  
 MEETS: AUG 26-DEC 20  
 5945020 4 TR 2:10-3:00  
 F 11:00-11:50  
 MEETS: AUG 26-DEC 20  
 5945025 5 TR 2:10-3:00  
 F 11:00-11:50  
 MEETS: AUG 26-DEC 20  
 5945030 6 TR 2:10-3:00  
 F 12:10-1:00  
 MEETS: AUG 26-DEC 20

DESIGN STUDIES

(CONTINUED)

DESIGN IN CONTEXT DSN S 183 3 CREDITS  
 5945035 7 TR 2:10-3:00  
 F 12:10-1:00  
 MEETS: AUG 26-DEC 20  
 5945040 8 TR 2:10-3:00  
 F 1:10-2:00  
 MEETS: AUG 26-DEC 20  
 5945045 9 TR 2:10-3:00  
 F 1:10-2:00  
 MEETS: AUG 26-DEC 20  
 5945050 10 TR 2:10-3:00  
 F 2:10-3:00  
 MEETS: AUG 26-DEC 20  
 5945055 11 TR 2:10-3:00  
 F 2:10-3:00  
 MEETS: AUG 26-DEC 20  
 5945060 12 TR 2:10-3:00  
 F 3:10-4:00  
 MEETS: AUG 26-DEC 20  
 5945065 13 TR 2:10-3:00  
 F 3:10-4:00  
 MEETS: AUG 26-DEC 20  
 5945070 14 TR 2:10-3:00  
 F 1:10-2:00  
 MEETS: AUG 26-DEC 20  
 5945075 15 TR 2:10-3:00  
 F 12:10-1:00  
 MEETS: AUG 26-DEC 20  
 5945080 16 TR 2:10-3:00  
 F 11:00-11:50  
 MEETS: AUG 26-DEC 20  
 5945085 17 TR 2:10-3:00  
 F 11:00-11:50  
 MEETS: AUG 26-DEC 20  
 5945090 18 TR 2:10-3:00  
 F 10:00-10:50  
 MEETS: AUG 26-DEC 20

DIGTL DSIGN CMUNICA DSN S 232 3 CREDITS  
 2087005 1 TR 5:40-7:00PM  
 MEETS: AUG 26-DEC 20

STDY ABRD PREP SEMN DSN S 301 1 CREDIT  
 Note: COURSE RESTRICTED TO ARC, ARCH, L A MAJORS ONLY  
 Satisfactory-Fail Only.  
 7396005 1 M 6:00-6:50PM  
 MEETS: AUG 26-DEC 20

DESIGN LEADRSHSP SEM DSN S 302 2 CREDITS  
 Prereq: SELECTION AS A PEER MENTOR FOR THE CORE  
 DESIGN PROGRAM  
 Satisfactory-Fail Only.  
 8568005 1 T 6:10-7:00PM  
 ARRANGED  
 MEETS: AUG 26-DEC 20  
 Note: Instructor permission required.  
 8568010 2 M 6:10-7:00PM  
 ARRANGED  
 MEETS: AUG 26-DEC 20

DESIGN AMBASSADORS DSN S 303 1- 2 CREDITS  
 Prereq: ADMITTANCE INTO ONE OF THE PROFESSIONAL  
 PROGRAMS IN THE COLLEGE OF DESIGN  
 Satisfactory-Fail Only.  
 1677005 1 ARRANGED  
 MEETS: AUG 26-DEC 20

PRACTICAL EXPERIENC DSN S 310 R CREDIT  
 Prereq: PERMISSION OF ADVISER OR COORDINATOR  
 OF DESIGN STUDIES  
 Satisfactory-Fail Only.  
 5669005 1 ARRANGED  
 MEETS: AUG 26-DEC 20

INTERDIS DSN STUDIO DSN S 446 4- 6 CREDITS  
 Prereq: JR CLASSIFICATION IN A CURRICULUM IN  
 THE COLLEGE OF DESIGN AND PERMISSION OF INSTRUCTOR  
 Note: COURSE RESTRICTED TO P ARC, P IND, P ID, P GR,  
 P ISA, P LA, AND DSGN MAJORS ONLY. OFFERED FOR  
 6 CREDITS.  
 2871005 1 ARRANGED  
 MEETS: AUG 26-DEC 20

INDEP STDY CMUNICAT DSN S 490C 1- 4 CREDITS  
 Prereq: WRITTEN APPROVAL OF INSTRUCTOR AND DEPT  
 CHAIR ON REQ'D FORM PRIOR TO SEMESTER OF ENROLLMENT  
 \*\*\*\*\*  
 SEE DEPT FOR REFERENCE NUMBERS

INDEPN STUDY DESIGN DSN S 490D 1- 4 CREDITS  
 Prereq: WRITTEN APPROVAL OF INSTRUCTOR AND DEPT  
 CHAIR ON REQ'D FORM PRIOR TO SEMESTER OF ENROLLMENT  
 \*\*\*\*\*  
 SEE DEPT FOR REFERENCE NUMBERS

INDEP STDY ENTREPRN DSN S 490E 1- 4 CREDITS  
 Prereq: WRITTEN APPROVAL OF INSTRUCTOR AND DEPT  
 CHAIR ON REQ'D FORM PRIOR TO SEMESTER OF ENROLLMENT  
 \*\*\*\*\*  
 SEE DEPT FOR REFERENCE NUMBERS

DESIGN STUDIES

(CONTINUED)

INDEP STDY OUTREACH DSN S 490G 1- 4 CREDITS  
 Prereq: WRITTEN APPROVAL OF INSTRUCTOR AND DEPT  
 CHAIR ON REQ'D FORM PRIOR TO SEMESTER OF ENROLLMENT  
 \*\*\*\*\*  
 SEE DEPT FOR REFERENCE NUMBERS

SPECIAL TOPICS DSN S 590 1- 4 CREDITS  
 Prereq: WRITTEN APPROVAL OF INSTRUCTOR AND DEPT  
 CHAIR ON REQUIRED FORM PRIOR TO SEMESTER OF ENROLLMNT  
 \*\*\*\*\*  
 SEE DEPT FOR REFERENCE NUMBERS

**ECOLOGY & EVOLUTIONARY BIOLOGY**

FOUND ECO&EVOL BIOL EEB 511 4 CREDITS  
 Prereq: GRADUATE CLASSIFICATION  
 5778005 1 TR 1:10-2:30  
 W 10:00-11:50  
 MEETS: AUG 26-DEC 20

SPECIAL TOPICS EEB 590 1- 3 CREDITS  
 Prereq: GRAD CLASSIFICATION AND INSTR PERMISSN  
 \*\*\*\*\*  
 SEE DEPT FOR REFERENCE NUMBERS

SEMINAR EEB 698 1 CREDIT  
 Note: COURSE IS FOR EEB MAJORS. NON-MAJORS BY  
 PERMISSION OF THE INSTRUCTOR.  
 7861005 1 M 11:00-12:30  
 MEETS: AUG 26-DEC 20

RESEARCH EEB 699 VAR. CREDITS  
 \*\*\*\*\*  
 SEE DEPT FOR REFERENCE NUMBERS

**ECOLOGY, EVOLUTION & ORGANISMAL BIOL**

LIFE HIST&REPRODUCV EEOB 514 3 CREDITS  
 Prereq: RECOMMENDED: BIOL 315 OR EQUIVALENT  
 1108005 1 TR 3:10-4:30  
 MEETS: AUG 26-DEC 20

INTRO DNA TECHNIQS EEOB 542A 1 CREDIT  
 Satisfactory-Fail Only.  
 7105005 1 TR 1:10-2:00  
 TR 2:10-4:00  
 MEETS: AUG 26-DEC 20

INTR PROTOMCS TCNQ EEOB 542E 1 CREDIT  
 Satisfactory-Fail Only.  
 7219005 1 TR 1:10-2:00  
 TR 2:10-4:00  
 MEETS: AUG 26-DEC 20

PLANT EVOL&PHYLOGNY EEOB 551 4 CREDITS  
 Prereq: BIOL 315 OR EQUIVALENT  
 4912005 1 MWF 10:00-10:50  
 T 9:00-11:50  
 MEETS: AUG 26-DEC 20

INTRO ENVIRN SYSTMS EEOB 581 3 CREDITS  
 Prereq: 12 CREDITS OF NATURAL SCIENCE INCLUDING  
 BIOLOGY AND CHEMISTRY  
 2649035 3A TR 3:10-5:00  
 MEETS: AUG 26-DEC 20

COMMUNITY ECOLOGY EEOB 585 3 CREDITS  
 Prereq: BIOL 312  
 Note: Instructor permission required 1st week.  
 2133005 1 MW 9:00-9:50  
 M 1:10-3:00  
 MEETS: AUG 26-DEC 20

AQUATIC ECOLOGY EEOB 586 3 CREDITS  
 Prereq: ENSCI 301 OR ENSCI 312 OR ENSCI 381 OR  
 ENSCI 402  
 5636005 1 TR 9:30-10:50  
 MEETS: AUG 26-DEC 20

AQUATIC ECOLOGY LAB EEOB 586L 1 CREDIT  
 Prereq: CONCURRENT ENROLLMENT IN EEOB 586  
 5643005 1 T 12:10-3:00  
 MEETS: AUG 26-DEC 20  
 5643010 2 T 3:10-6:00PM  
 MEETS: AUG 26-DEC 20

MICROBIAL ECOLOGY EEOB 587 3 CREDITS  
 Prereq: 6 CREDITS IN BIOL AND 6 CREDITS IN CHEM  
 2110005 1 MWF 9:00-9:50  
 MEETS: AUG 26-DEC 20

SPCL TOPICS ECOLOGY EEOB 590A 1- 3 CREDITS  
 Prereq: 10 CR IN BIOL, INSTRUCTOR PERMISSION  
 \*\*\*\*\*  
 SEE DEPT FOR REFERENCE NUMBERS

SPL TOP EVOLUT BIOL EEOB 590B 1- 3 CREDITS  
 Prereq: 10 CR IN BIOL, INSTRUCTOR PERMISSION  
 \*\*\*\*\*  
 SEE DEPT FOR REFERENCE NUMBERS

## ECOLOGY, EVOLUTION &amp; ORGANISMAL BIOL (CONTINUED)

SPL TOP ORGNM BIOL EEOB 590C 1- 3 CREDITS  
Prereq: 10 CR IN BIOL, INSTRUCTOR PERMISSION  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

CREATIVE COMPONENT EEOB 599 VAR. CREDITS  
2145005 1 ARRANGED  
MEETS: AUG 26-DEC 20

SEMINAR EEOB 698 1 CREDIT  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

RESEARCH EEOB 699 VAR. CREDITS  
Satisfactory-Fail Only.  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

**ECONOMICS**

PRIN MICROECONOMICS ECON 101 3 CREDITS  
3100005 1 MWF 9:00-9:50  
MEETS: AUG 26-DEC 20

Section info: <http://www.econ.iastate.edu/undergraduate-programs/courses>

3100010 2 MWF 10:00-10:50  
MEETS: AUG 26-DEC 20

Section info: <http://www.econ.iastate.edu/undergraduate-programs/courses>

3100015 3 MWF 11:00-11:50  
MEETS: AUG 26-DEC 20

Section info: <http://www.econ.iastate.edu/undergraduate-programs/courses>

3100020 4 MWF 1:10-2:00  
MEETS: AUG 26-DEC 20

Section info: <http://www.econ.iastate.edu/undergraduate-programs/courses>

3100025 5 MWF 2:10-3:00  
MEETS: AUG 26-DEC 20

Section info: <http://www.econ.iastate.edu/undergraduate-programs/courses>

3100030 6 TR 12:40-2:00  
MEETS: AUG 26-DEC 20

Section info: <http://www.econ.iastate.edu/undergraduate-programs/courses>

3100040 7 TR 9:30-10:50  
MEETS: AUG 26-DEC 20

Section info: <http://www.econ.iastate.edu/undergraduate-programs/courses>

3100045 8 MWF 11:00-11:50  
MEETS: AUG 26-DEC 20

Note: SEC 8 RESTRICTED TO AG B, P S A, AG SO MAJORS.  
STUDENTS ENROLLING IN SEC 9 MUST ENROLL IN ECON 101L.

Section info: <http://www.econ.iastate.edu/undergraduate-programs/courses>

3100050 9 TR 2:10-3:25  
MEETS: AUG 26-DEC 20

Section info: <http://www.econ.iastate.edu/undergraduate-programs/courses>

3100055 10 TR 11:00-12:15  
MEETS: AUG 26-DEC 20

Section info: <http://www.econ.iastate.edu/undergraduate-programs/courses>

3100060 11 TR 12:40-2:00  
MEETS: AUG 26-DEC 20

3100065 12 TR 12:40-2:00  
MEETS: AUG 26-DEC 20

PRIN MICROECON LAB ECON 101L 1 CREDIT

Prereq: CONCURRENT ENROLLMENT IN THE APPROPRIATE SECTION OF ECON 101

Note: COURSE RESTRICTED TO AG B, P S A, AG SO MAJORS

5265005 1 M 2:10-4:00  
MEETS: AUG 26-DEC 20

5265010 2 W 3:10-5:00  
MEETS: AUG 26-DEC 20

5265015 3 W 1:10-3:00  
MEETS: AUG 26-DEC 20

PRIN MACROECONOMICS ECON 102 3 CREDITS

Prereq: ECON 101 RECOMMENDED

3099005 1 MWF 10:00-10:50  
MEETS: AUG 26-DEC 20

Section info: <http://www.econ.iastate.edu/undergraduate-programs/courses>

3099010 2 MWF 11:00-11:50  
MEETS: AUG 26-DEC 20

Section info: <http://www.econ.iastate.edu/undergraduate-programs/courses>

3099015 3 TR 9:30-10:50  
MEETS: AUG 26-DEC 20

Section info: <http://www.econ.iastate.edu/undergraduate-programs/courses>

3099020 4 TR 12:40-2:00  
MEETS: AUG 26-DEC 20

Section info: <http://www.econ.iastate.edu/undergraduate-programs/courses>

3099025 5 MWF 1:10-2:00  
MEETS: AUG 26-DEC 20

## ECONOMICS

(CONTINUED)

ORIENTATION AG BUSI ECON 110 1 CREDIT  
3172005 1 T 2:10-3:00  
R 2:10-3:00

MEETS: AUG 26-DEC 20

Note: SEC 1 RESTRICTED TO AG B MAJORS ONLY

3172010 2 T 2:10-3:00  
R 2:10-3:00

MEETS: AUG 26-DEC 20

Note: SEC 2 RESTRICTED TO AG B MAJORS ONLY

3172015 3 T 2:10-3:00  
R 2:10-3:00

MEETS: AUG 26-DEC 20

Note: SEC 3 RESTRICTED TO AG B MAJORS ONLY

3172020 4 T 2:10-3:00  
R 2:10-3:00

MEETS: AUG 26-DEC 20

Note: SEC 4 RESTRICTED TO AG B MAJORS ONLY

3172025 5 T 2:10-3:00  
R 2:10-3:00

MEETS: AUG 26-DEC 20

Note: SEC 5 RESTRICTED TO AG B MAJORS ONLY

3172030 6 T 2:10-3:00  
R 2:10-3:00

MEETS: AUG 26-DEC 20

Note: SEC 6 RESTRICTED TO AG B MAJORS ONLY

3172035 7 TR 2:10-3:00  
MEETS: AUG 26-DEC 20

Note: SEC 7 RESTRICTED TO ECON MAJORS ONLY

3172040 8 TR 2:10-3:00  
MEETS: AUG 26-DEC 20

Note: SEC 8 FOR INCOMING TRANSFER STUDENTS

APPL ECON OPTIMIZTN ECON 207 3 CREDITS

Prereq: MATH 151, MATH 160, MATH 165 OR EQUIVALENT

2753005 1 MW 10:00-10:50

W 2:10-3:25

MEETS: AUG 26-DEC 20

Section info: <http://www.econ.iastate.edu/undergraduate-programs/courses>

2753010 2 MW 10:00-10:50

R 2:10-3:25

MEETS: AUG 26-DEC 20

Section info: <http://www.econ.iastate.edu/undergraduate-programs/courses>

2753015 3 MW 10:00-10:50

R 3:40-5:00

MEETS: AUG 26-DEC 20

FARM BUSINESS MGT ECON 230 3 CREDITS

Prereq: ECON 101; ACCT 284

3177005 1 MWF 1:10-2:00

MEETS: AUG 26-DEC 20

Section info: <http://www.econ.iastate.edu/undergraduate-programs/courses>

3177010 2 MWF 2:10-3:00

MEETS: AUG 26-DEC 20

Section info: <http://www.econ.iastate.edu/undergraduate-programs/courses>

SMALL BUSINESS MGMT ECON 234 3 CREDITS

Prereq: ECON 101

4708005 1 MWF 10:00-10:50

MEETS: AUG 26-DEC 20

INTRO AGRI MARKETS ECON 235 3 CREDITS

Prereq: ECON 101

3174005 1 TR 9:30-10:50

MEETS: AUG 26-DEC 20

Section info: <http://www.econ.iastate.edu/undergraduate-programs/courses>

3174010 2 TR 12:40-2:00

MEETS: AUG 26-DEC 20

Section info: <http://www.econ.iastate.edu/undergraduate-programs/courses>

CAREER SEM:AG BSNSS ECON 292A 1 CREDIT

Note: CREDIT FOR ONLY ONE OF THE FOLLOWING COURSES MAY BE APPLIED TOWARD GRADUATION:

ECON 292, ECON 292A, ECON 292B

3743005 1 W 12:10-1:00

MEETS: AUG 26-DEC 20

INTERNSHIP ECON 297 2 CREDITS

Prereq: INSTRUCTOR PERMISSION, MAJOR IN AG BUSINESS OR ECONOMICS

Note: NO MORE THAN 4 CREDITS OF ECON 297 MAY BE APPLIED TOWARD GRADUATION

Satisfactory-Fail Only.

2040005 1 M 3:10-5:00

MEETS: AUG 26-DEC 20

Section info: <http://www.econ.iastate.edu/undergraduate-programs/courses>

COOPERATIVE EDUC ECON 298 R CREDIT

Prereq: PERMISSION OF THE DEPT COOPERATIVE EDUCATION COORDINATOR; SOPHOMORE CLASSIFICATION

Note: Instructor permission required.

4834005 1 ARRANGED

MEETS: AUG 26-DEC 20

## ECONOMICS

(CONTINUED)

INTERMED MICROECON ECON 301 3- 4 CREDITS  
Prereq: ECON 101; ECON 207 OR MATH 166  
Note: COURSE ONLY OFFERED FOR 4 CREDITS FALL 2019  
3101005 1 TR 11:00-12:15  
T 2:10-4:00  
MEETS: AUG 26-DEC 20  
Section info: <http://www.econ.iastate.edu/programs/course/defaultcourseinfo.asp>

3101010 2 TR 11:00-12:15  
W 2:10-4:00  
MEETS: AUG 26-DEC 20  
Section info: <http://www.econ.iastate.edu/programs/course/defaultcourseinfo.asp>

3101015 3 MWF 10:00-10:50  
W 2:10-4:00  
MEETS: AUG 26-DEC 20  
Section info: <http://www.econ.iastate.edu/undergraduate-programs/courses>

3101020 4 MWF 10:00-10:50  
R 2:10-4:00  
MEETS: AUG 26-DEC 20

3101025 5 TR 11:00-12:15  
W 9:00-10:50  
MEETS: AUG 26-DEC 20

INTERMED MACROECON ECON 302 3 CREDITS  
Prereq: ECON 101, ECON 102; MATH 160 OR MATH 165  
3102005 1 TR 2:10-3:25  
MEETS: AUG 26-DEC 20  
Section info: <http://www.econ.iastate.edu/undergraduate-programs/courses>

LABOR ECONOMICS ECON 320 3 CREDITS  
Prereq: ECON 101  
Note: Meets international perspectives reqmt  
3110005 1 MWF 9:00-9:50  
MEETS: AUG 26-DEC 20  
Section info: <http://www.econ.iastate.edu/undergraduate-programs/courses>

ECON OF DISCRIMINAT ECON 321 3 CREDITS  
Prereq: ECON 101  
Note: Meets U.S. diversity reqmt  
3116005 1 MWF 11:00-11:50  
MEETS: AUG 26-DEC 20  
3116010 2 MWF 1:10-2:00  
MEETS: AUG 26-DEC 20

ADV FARM BSNSS MGMT ECON 330 3 CREDITS  
Prereq: ECON 230  
3182005 1 TR 12:40-2:00  
MEETS: AUG 26-DEC 20

COOPERATIVES ECON 332 3 CREDITS  
Prereq: ECON 101  
Note: STUDENTS ARE ENCOURAGED TO ALSO REGISTER FOR ECON 495 SEC 3, 1.0 CREDIT SEC WHICH IS AN ORGANIZED GROUP FIELD TRIP TO VISIT COOPERATIVES DURING THE SEMESTER.  
3181005 1 TR 9:30-10:45  
MEETS: AUG 26-DEC 20

ENTREPRENEURSHIP AG ECON 334 3 CREDITS  
Prereq: ECON 101  
6836005 1 MWF 12:10-1:00  
MEETS: AUG 26-DEC 20

AGRICULTURL SELLING ECON 336 3 CREDITS  
Prereq: ECON 101  
9530005 1 MWF 9:00-9:50  
MEETS: AUG 26-DEC 20  
Note: SECTION 1 RESTRICTED TO AG B, P S A, AG SO MAJORS  
9530010 2 MWF 9:00-9:50  
MEETS: AUG 26-DEC 20

MONEY,BANK,FIN INST ECON 353 3 CREDITS  
Prereq: ECON 101, ECON 102  
3103005 1 MWF 1:10-2:00  
MEETS: AUG 26-DEC 20  
Section info: <http://www.econ.iastate.edu/undergraduate-programs/courses>

INT'L TRADE&FINANCE ECON 355 3 CREDITS  
Prereq: ECON 101, ECON 102  
Note: Meets international perspectives reqmt  
8925005 1 MWF 1:10-2:00  
MEETS: AUG 26-DEC 20  
Section info: <http://www.econ.iastate.edu/undergraduate-programs/courses>

APPLIED ETHICS AG ECON 362 3 CREDITS  
Prereq: ECON 101 OR SOC 134, JUNIOR OR SENIOR STATUS IN THE COLLEGE OF AGRICULTURE  
7556005 1 W 3:10-6:00PM  
MEETS: AUG 26-DEC 20  
Section info: <http://www.econ.iastate.edu/undergraduate-programs/courses>

## ECONOMICS

(CONTINUED)

INTRO ECONOMETRICS ECON 371 4 CREDITS  
Prereq: ECON 301, ECON 302 OR ECON 353, STAT 326  
2790005 1 MW 11:00-11:50  
F 11:00-12:50  
MEETS: AUG 26-DEC 20  
Section info: <http://www.econ.iastate.edu/undergraduate-programs/courses>

RURAL,URB&REGN ECON ECON 376 3 CREDITS  
Prereq: ECON 101  
3119005 1 MWF 2:10-3:00  
MEETS: AUG 26-DEC 20

COOPERATIVE EDUC ECON 398 R CREDIT  
Prereq: PERMISSION OF THE DEPT COOPERATIVE EDUCATION COORDINATOR; JUNIOR CLASSIFICATION  
Note: Permission of adviser required.  
4835005 1 ARRANGED  
MEETS: AUG 26-DEC 20

MANAGERIAL ECONMCS ECON 431 3 CREDITS  
Prereq: ECON 301  
3173005 1 MWF 11:00-11:50  
MEETS: AUG 26-DEC 20  
Section info: <http://www.econ.iastate.edu/undergraduate-programs/courses>

ECON SYS ELEC POWER ECON 458 3 CREDITS  
Prereq: ECON 301 OR E E 303  
5746005 1 MT 4:10-5:30  
MEETS: AUG 26-DEC 20

AG,FOOD,TRADE POLCY ECON 460 3 CREDITS  
Prereq: ECON 301 OR ECON 501  
3185005 1 MWF 2:10-3:00  
MEETS: AUG 26-DEC 20

AGRICULTURL FINANCE ECON 466 3 CREDITS  
Prereq: ECON 301, STAT 226, FIN 301 AND ECON 353 (RECOMMENDED)  
3183005 1 TR 11:00-12:20  
MEETS: AUG 26-DEC 20  
Section info: <http://www.econ.iastate.edu/undergraduate-programs/courses>

INTERMD ENVIR&RESOU ECON 480 3 CREDITS  
Prereq: ECON 301 OR ECON 501  
3187005 1 TR 2:10-3:25  
MEETS: AUG 26-DEC 20

INDEPENDENT STUDY ECON 490 1- 5 CREDITS  
Prereq: JR/SR CLASSIFICATION, 14 CREDITS IN ECON  
Note: AG LS COLLEGE STUDENTS MAY APPLY NO MORE THAN 6 CREDITS OF ECON 490 TOWARD THE TOTAL CREDITS REQUIRED FOR GRADUATION. LAS COLLEGE STUDENTS MAY APPLY NO MORE THAN 9 CR OF ECON 490 TOWARD GRADUATION.  
Satisfactory-Fail Only.  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

IND STDY ENTREPRENR ECON 490E 1- 5 CREDITS  
Prereq: JR/SR CLASSIFICATION, 14 CREDITS IN ECON  
Satisfactory-Fail Only.  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

INDEP STUDY HONORS ECON 490H 1- 5 CREDITS  
Prereq: JR/SR CLASSIFICATION, 14 CREDITS IN ECON.  
AG COLLEGE MAJORS MAY USE NO MORE THAN 6 CR OF ECON 490 TOWARD GRADUATION. LAS COLLEGE MAJORS MAY COUNT NO MORE THAN 9 CREDITS OF ECON 490 TOWARD GRADUATION.  
Note: AG LS COLLEGE STUDENTS MAY APPLY NO MORE THAN 6 CREDITS OF ECON 490 TOWARD THE TOTAL CREDITS REQUIRED FOR GRADUATION. LAS COLLEGE STUDENTS MAY APPLY NO MORE THAN 9 CR OF ECON 490 TOWARD GRADUATION. COURSE RESTRICTED TO MEMBERS OF THE UNIVERSITY HONORS PROGRAM.  
Satisfactory-Fail Only.  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

GRADUATING SR SURVEY ECON 492 R CREDIT  
Prereq: GRADUATING SENIOR  
Satisfactory-Fail Only.  
6208005 1 R 4:10-5:00  
MEETS: AUG 26-DEC 20  
Note: SECTION 1 RESTRICTED TO ECON MAJORS ONLY  
Section info: <http://www.econ.iastate.edu/undergraduate-programs/courses>

6208010 2 R 4:10-5:00  
MEETS: AUG 26-DEC 20  
Note: SECTION 2 RESTRICTED TO AG B MAJORS ONLY

6208015 3 R 4:10-5:00  
MEETS: AUG 26-DEC 20  
Note: SECTION 3 RESTRICTED TO BUSEC MAJORS ONLY

ECON DOMESTC TRAVEL ECON 495 1- 3 CREDITS  
Prereq: SOPHOMORE STATUS, INSTRUCTOR PERMISSION  
Note: COURSE ONLY OFFERED FOR 3 CREDITS FALL 2019  
9444005 1 MW 3:10-4:30, ARRANGED  
MEETS: AUG 26-DEC 20  
Note: Instructor permission required.  
9444010 2 ARRANGED  
MEETS: AUG 26-DEC 20  
Note: SEC 2 OFFERED FOR 1 CREDIT FALL 2019  
THE STUDENT COST OF THE 4-NIGHT FIELD TRIP TO VISIT COOPERATIVES IS \$150, COLLECTED AS A COURSE FEE.



ECONOMICS (CONTINUED)

COOPERATIVE EDUC ECON 498 R CREDIT  
 Prereq: PERMISSION OF THE DEPT COOPERATIVE  
 EDUCATION COORDINATOR; SENIOR CLASSIFICATION  
 Note: Permission of adviser required.  
 4836005 1 ARRANGED  
 MEETS: AUG 26-DEC 20

QUANT MTH EC ANLY I ECON 500 4 CREDITS  
 Prereq: ECON 301, 1 YEAR OF CALCULUS, STAT 401,  
 AND PERMISSION OF DIRECTOR OF GRADUATE EDUCATION  
 3127005 1 TR 1:10-3:00  
 F 1:10-2:00  
 MEETS: AUG 26-DEC 20

MICROECONOMICS ECON 501 4 CREDITS  
 Prereq: ECON 301, CREDIT OR ENROLLMENT IN ECON  
 500 OR EQUIVALENT BACKGROUND IN CALCULUS AND  
 STATISTICS  
 7913005 1 MW 9:00-10:50  
 F 2:10-3:00  
 MEETS: AUG 26-DEC 20

MACROECONOMICS ECON 502 4 CREDITS  
 Prereq: ECON 302, CREDIT OR ENROLLMENT IN ECON  
 500 OR EQUIVALENT BACKGROUND IN CALCULUS AND  
 STATISTICS  
 7912005 1 TR 9:30-10:45  
 F 9:00-9:50  
 MEETS: AUG 26-DEC 20

LABOR SUP&HUMAN CAP ECON 520 3 CREDITS  
 Prereq: ECON 501 OR ECON 601  
 3191005 1 MWF 11:00-11:50  
 MEETS: AUG 26-DEC 20

MNGRL EC GLOBAL ORG ECON 532 3 CREDITS  
 Prereq: ECON 101 AND ENROLLMENT IN MBA OR BAS  
 PROGRAM; NOT FOR ECONOMICS MAJORS  
 3128005 1 TR 7:30-10:50  
 MEETS: AUG 26-DEC 20

AG,FOOD,TRAD POLICY ECON 560 3 CREDITS  
 Prereq: ECON 301 OR ECON 501  
 3197005 1 MWF 2:10-3:00  
 MEETS: AUG 26-DEC 20  
 Note: Instructor permission required.

ADV ENVIROMNTL ECON ECON 581 3 CREDITS  
 Prereq: ECON 501 OR ECON 601  
 3205005 1 TR 9:30-10:45  
 MEETS: AUG 26-DEC 20

SPECIAL TOPICS ECON 590 1- 5 CREDITS  
 Satisfactory-Fail Only.  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

CREATIVE COMPONENT ECON 599 1- 5 CREDITS  
 Satisfactory-Fail Only.  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

MICROECON ANALYS I ECON 601 4 CREDITS  
 Prereq: ECON 301, PREVIOUS OR CONCURRENT  
 ENROLLMENT IN 600 AND PERMISSION OF DIRECTOR OF  
 GRADUATE EDUCATION  
 Note: PERMISSION OF DIRECTOR OF ECON GRAD STUDIES  
 REQUIRED.  
 3124005 1 MW 11:00-1:00  
 F 3:10-5:00  
 MEETS: AUG 26-DEC 20

MACROECON ANALYSIS ECON 602 4 CREDITS  
 Prereq: ECON 301, ECON 302, PREVIOUS OR  
 CONCURRENT ENROLLMENT IN 600 AND PERMISSION OF  
 DIRECTOR OF GRADUATE EDUCATION  
 Note: PERMISN OF DIRECTOR OF ECON GRAD STUDIES REQUIRED  
 TO ADD. PROCESS APPROVED ADD SLIP IN 10 ENRL SC.  
 3126005 1 TR 1:10-3:00  
 F 11:00-12:50  
 MEETS: AUG 26-DEC 20

AGRICULTURAL ECON I ECON 641 3 CREDITS  
 Prereq: ECON 603  
 3203005 1 TR 12:40-1:55  
 MEETS: AUG 26-DEC 20

ECONOMETRICS I ECON 671 4 CREDITS  
 Prereq: ECON 501 AND STAT 447 OR STAT 542  
 3145005 1 TR 9:00-10:50  
 F 9:00-10:50  
 MEETS: AUG 26-DEC 20

MICROECONOMETRICS ECON 673 3 CREDITS  
 Prereq: ECON 672, ECON 601  
 7404005 1 TR 11:00-12:20  
 MEETS: AUG 26-DEC 20

ECONOMICS (CONTINUED)

MACROECONOMETRICS ECON 674 3 CREDITS  
 Prereq: ECON 672, ECON 602  
 4902005 1 MWF 1:10-2:00  
 MEETS: AUG 26-DEC 20

ADVANCED TOPICS ECON 690 1- 5 CREDITS  
 Satisfactory-Fail Only.  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

THIRD-YEAR PAPER ECON 691 3 CREDITS  
 Satisfactory-Fail Only.  
 5334005 1 ARRANGED  
 MEETS: AUG 26-DEC 20

WORKSHOP ECON 693 3 CREDITS  
 Satisfactory-Fail Only.  
 8649005 1 ARRANGED  
 MEETS: AUG 26-DEC 20  
 Section info: <http://www.econ.iastate.edu/graduate-programs/courses>

RSRCH WRKSHP:METHODS ECON 694A 3 CREDITS  
 Prereq: ECON 603, ECON 604, ECON 672  
 Satisfactory-Fail Only.  
 8585005 1 W 3:10-6:00PM  
 MEETS: AUG 26-DEC 20

RESEARCH ECON 699 VAR. CREDITS  
 Satisfactory-Fail Only.  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

**EDUCATION**

PK-6 CLSRM TECNOLGI EDUC 201 3 CREDITS  
 3015095 1 TR 11:00-11:50  
 M 10:00-11:50  
 MEETS: AUG 26-DEC 20  
 Note: SECTION 1 RESTRICTED TO EL ED MAJORS ONLY

3015015 2 TR 11:00-11:50  
 W 10:00-11:50  
 MEETS: AUG 26-DEC 20  
 Note: SECTION 2 RESTRICTED TO EL ED, ECE MAJORS ONLY

3015020 3 TR 11:00-11:50  
 W 12:10-2:00  
 MEETS: AUG 26-DEC 20  
 Note: SECTION 3 RESTRICTED TO EL ED MAJORS ONLY

3015025 4 TR 11:00-11:50  
 R 12:10-2:00  
 MEETS: AUG 26-DEC 20  
 Note: SECTION 4 RESTRICTED TO EL ED MAJORS ONLY

3015085 5 TR 11:00-11:50  
 M 12:10-2:00  
 MEETS: AUG 26-DEC 20  
 Note: SECTION 5 RESTRICTED TO EL ED MAJORS ONLY

3015035 6 TR 11:00-11:50  
 T 9:00-10:50  
 MEETS: AUG 26-DEC 20  
 Note: SECTION 6 RESTRICTED TO EL ED MAJORS ONLY

3015040 7 TR 11:00-11:50  
 R 9:00-10:50  
 MEETS: AUG 26-DEC 20  
 Note: SECTION 7 RESTRICTED TO EL ED, ECE MAJORS ONLY

7-12 CLASSRM TECNOL EDUC 202 3 CREDITS  
 Note: FOR SECONDARY EDUCATION MAJORS ONLY

2464005 1 TR 2:10-3:00  
 R 3:10-5:00  
 MEETS: AUG 26-DEC 20  
 Note: SEC 1 RESTRICTED TO A TR, DANCE, D EXA,  
 D EXH, KIN, KIN H, P ATR, PDEXA, PDEX H MAJORS ONLY

2464010 2 TR 2:10-3:00  
 F 8:00-9:50  
 MEETS: AUG 26-DEC 20  
 Note: SEC 2 RESTRICTED TO MAJORS OTHER THAN  
 A TR, DANCE, D EXA, D EXH, ENGL, HIST, KIN, KIN H,  
 P ATR, PDEXA, PDEXH, WLC

2464015 3 TR 2:10-3:00  
 F 10:00-11:50  
 MEETS: AUG 26-DEC 20  
 Note: SEC 3 RESTRICTED TO MAJORS OTHER THAN  
 A TR, DANCE, D EXA, D EXH, ENGL, HIST, KIN, KIN H,  
 P ATR, PDEXA, PDEXH, WLC

2464020 4 TR 2:10-3:00  
 F 12:10-2:00  
 MEETS: AUG 26-DEC 20  
 Note: SEC 4 RESTRICTED TO ENGL, HIST, WLC MAJORS ONLY

2464025 5 TR 2:10-3:00  
 F 2:10-4:00  
 MEETS: AUG 26-DEC 20  
 Note: SEC 5 RESTRICTED TO ENGL, HIST, WLC MAJORS ONLY

SOC FOUND SECDRY ED EDUC 204 3 CREDITS  
 Note: COURSE IS FOR SECONDARY AND P-12 TEACHER  
 EDUCATION STUDENTS

6278005 1 TR 9:30-10:45  
 MEETS: AUG 26-DEC 20

6278010 2 TR 11:00-12:15  
 MEETS: AUG 26-DEC 20

6278015 3 MW 2:10-3:25  
 MEETS: AUG 26-DEC 20

6278020 4 TR 3:40-4:55  
 MEETS: AUG 26-DEC 20

6278025 5 MW 3:40-4:55  
 MEETS: AUG 26-DEC 20

EDUCATION (CONTINUED)

EDUCATION (CONTINUED)

SOCL FOUND EDU:ELEM EDUC 205 3 CREDITS  
 6178005 1 TR 11:00-12:15  
 MEETS: AUG 26-DEC 20  
 6178010 2 TR 2:10-3:25  
 MEETS: AUG 26-DEC 20  
 6178015 3 MW 2:10-3:25  
 MEETS: AUG 26-DEC 20  
 6178020 4 TR 12:40-1:55  
 MEETS: AUG 26-DEC 20  
 6178025 5 TR 11:00-12:15  
 MEETS: AUG 26-DEC 20  
 6178030 6 TR 12:40-1:55  
 MEETS: AUG 26-DEC 20

ORIENTATN TEACHR ED EDUC 216 1 CREDIT  
 Prereq: FIRST SEMESTER FRESHMAN EL ED MAJOR  
 Satisfactory-Fail Only.  
 8889005 1 TR 3:40-4:30  
 MEETS: AUG 26-DEC 20

ORIE TCHR ED SCI,M EDUC 219 1 CREDIT  
 Prereq: STUDENTS SEEKING TEACHER LICENSURE IN  
 MATH, SCIENCE, FAMILY AND CONSUMER SCIENCES, OR  
 HISTORY/SOC STUDIES IN GRADES 5-12  
 Satisfactory-Fail Only.  
 1863005 1 W 12:10-1:00  
 MEETS: AUG 26-DEC 20

LNDSCAPE OF TEACHNG EDUC 245 3 CREDITS  
 Prereq: EDUC 205; SOPHOMORE CLASSIFICATION  
 Note: COURSE RESTRICTED TO EL ED, ECE MAJORS.  
 3238005 1 MW 12:10-1:25  
 MEETS: AUG 26-DEC 20  
 3238010 2 TR 12:10-1:25  
 MEETS: AUG 26-DEC 20  
 3238015 3 MW 9:00-10:15  
 MEETS: AUG 26-DEC 20

EXPERNCE I:CORE EXP EDUC 280A 1- 2 CREDITS  
 Prereq: FULL ADMISSION TO THE UNIVERSITY  
 TEACHER EDUCATION PROGRAM  
 Note: EDUC 280 MAY BE TAKEN MORE THAN ONCE FOR CREDIT  
 TOWARD GRADUATION. STUDENTS MUST RESERVE ONE MORNING  
 OR ONE AFTERNOON PER CREDIT FOR SITE VISITS.  
 RESTRICTED TO STUDENTS THE IN EDUCATOR PREP PROGRAM  
 Satisfactory-Fail Only.  
 6279025 1 W 1:10-2:00, ARRANGED  
 MEETS: AUG 26-DEC 20  
 6279010 2 ARRANGED  
 MEETS: AUG 26-DEC 20  
 Note: Instructor permission required.

EXP I:EDUC TECNOLGS EDUC 280B 1 CREDIT  
 Prereq: EDUC 201 OR EDUC 202  
 Note: EDUC 280 MAY BE TAKEN MORE THAN ONCE FOR CREDIT  
 TOWARD GRADUATION. STUDENTS MUST RESERVE ONE MORNING  
 OR ONE AFTERNOON PER CREDIT FOR SITE VISITS.  
 RESTRICTED TO STUDENTS WITH FULL OR TENTATIVE  
 ADMISSION TO THE UNIVERSITY EDUCATOR PREP PROGRAM  
 Satisfactory-Fail Only.  
 6280005 1 ARRANGED  
 MEETS: AUG 26-DEC 20

PRE-TCH EXP I:MUSIC EDUC 280K .5 CREDIT  
 Note: EDUC 280 MAY BE TAKEN MORE THAN ONCE FOR CREDIT  
 TOWARD GRADUATION. STUDENTS SHOULD RESERVE A 4 HOUR  
 BLOCK OF TIME FOR SCHOOL EXPERIENCES  
 Satisfactory-Fail Only.  
 5673005 1 ARRANGED  
 MEETS: AUG 26-DEC 20

EXPRNC I:SECNDRY ED EDUC 280L .5 CREDIT  
 Note: EDUC 280 MAY BE TAKEN MORE THAN ONCE FOR CREDIT  
 TOWARD GRADUATION. COURSE ONLY OFFERED FOR .5 CREDIT  
 FALL 2019. RESERVE A FOUR-HOUR BLOCK, PLUS TRAVEL  
 TIME, FOR FIELD EXPERIENCE.  
 Satisfactory-Fail Only.  
 2843025 1 M 12:10-1:00, ARRANGED  
 MEETS: AUG 26-DEC 20

EXPERIENC I: ART ED EDUC 280O 1 CREDIT  
 Note: EDUC 280 MAY BE TAKEN MORE THAN ONCE FOR CREDIT  
 TOWARD GRADUATION. COURSE ONLY OFFERED FOR 1 CREDIT  
 FALL 2019  
 STUDENTS SHOULD RESERVE A 4 HOUR BLOCK OF TIME FOR  
 SCHOOL EXPERIENCES  
 Satisfactory-Fail Only.  
 1904005 1 ARRANGED  
 MEETS: AUG 26-DEC 20

PRE-TCH EXPRC I:ESL EDUC 280S 1 CREDIT  
 Prereq: ADMISSION TO THE EDUCATOR PREP PROGRAM  
 Note: EDUC 280 MAY BE TAKEN MORE THAN ONCE FOR CREDIT  
 TOWARD GRADUATION. STUDENTS SHOULD RESERVE A 4 HOUR  
 BLOCK OF TIME FOR SCHOOL EXPERIENCES  
 Satisfactory-Fail Only.  
 7941005 1 ARRANGED  
 MEETS: AUG 26-DEC 20

EXPERNC I:TUTORING EDUC 280T 1 CREDIT  
 Satisfactory-Fail Only.  
 9375005 1 TR 3:10-4:50  
 MEETS: AUG 26-DEC 20

INDEPENDENT STUDY EDUC 290 1- 3 CREDITS  
 Prereq: PERMISSION OF DEPT CHAIR, 6 CR IN EDUC  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

PRIN&PRC DIGTL LRNG EDUC 302 3 CREDITS  
 Prereq: EDUC 201 OR EDUC 202  
 6289005 1 W 5:10-8:00PM  
 MEETS: AUG 26-DEC 20

TRANSFR ORIENTATION EDUC 315 1 CREDIT  
 Satisfactory-Fail Only.  
 3250005 1 TR 8:00-8:50  
 MEETS: AUG 27-NOV 7

ED PSYCH EC&ELEM ED EDUC 332 3 CREDITS  
 Prereq: PSYCH 230 OR HD FS 102  
 Note: COURSE RESTRICTED TO ECE, EL ED MAJORS  
 2635005 1 TR 9:30-10:50  
 MEETS: AUG 26-DEC 20

EDUCATIONAL PSYCHOL EDUC 333 3 CREDITS  
 Prereq: PSYCH 230 OR HD FS 102, APPLICATION  
 TO THE TEACHER EDUC PROGRAM OR MAJOR IN PSYCHOLOGY  
 Note: FOR PSYCHOLOGY & INDIVIDUALS PURSUING K-12 OR  
 SECONDARY TEACHER EDUCATION.  
 6084005 1 MWF 1:10-2:00  
 MEETS: AUG 26-DEC 20

NATURE OF SCIENCE EDUC 347 3 CREDITS  
 Prereq: EDUC 280M; CONCURRENT ENROLLMENT IN EDUC  
 418 OR INSTRUCTOR PERMISSION  
 Note: CONCURRENT ENROLLMENT IN EDUC 418, 468J  
 REQUIRED  
 8267005 1 T 5:10-8:00PM  
 MEETS: AUG 26-DEC 20

TOYING WITH TECHNOL EDUC 370 3 CREDITS  
 Prereq: EDUC 201 OR EDUC 202  
 0081005 1 TR 1:10-3:00  
 MEETS: AUG 26-DEC 20

RDG&LANG ARTS K-3RD EDUC 377 4 CREDITS  
 Prereq: ADMISSION TO TEACHER ED PROGRAM. EDUC 245,  
 SP ED 250, HD FS 240 (ECE MAJ); CONCURRENT ENROLLMENT  
 IN EDUC 405, EDUC 448, EDUC 468A, AND EDUC 468C (EL  
 ED MAJ); OR EDUC 438, EDUC 468F, EDUC 468G, SP ED 368  
 Note: CONCURRENT ENROLLMENT IN EDUC 405, 448, 468A &  
 468C EL ED STUDENTS MUST ENROLL IN SAME SECTION OF ED  
 EDUC 405 AND 448. NO MEETINGS OCT. 28-NOV. 20  
 2066005 1 MW 8:00-10:30  
 MEETS: AUG 26-DEC 20  
 Note: Department permission required 1st week.  
 2066010 2 MW 11:00-1:30  
 MEETS: AUG 26-DEC 20  
 Note: Department permission required 1st week.  
 2066015 3 MW 2:10-4:40  
 MEETS: AUG 26-DEC 20  
 Note: Department permission required 1st week.  
 2066020 4 MW 11:00-1:30  
 MEETS: AUG 26-DEC 20  
 Note: Department permission required 1st week.  
 2066025 5 MW 2:10-4:40  
 MEETS: AUG 26-DEC 20  
 Note: Department permission required 1st week.

RDG&LANG ARTS 4TH-6 EDUC 378 4 CREDITS  
 Prereq: EDUC 377; CONCURRENT ENROLLMENT IN  
 EDUC 449, EDUC 468B, EDUC 468D, AND EDUC 443  
 Note: CONCURRENT ENROLLMENT IN EDUC 443 & 449C  
 CONCURRENT ENROLLMENT IN EDUC 468B & 468D OR 468T  
 EL ED STUDENTS MUST ENROLL IN THE SAME SEC OF EDUC  
 443 & 449.  
 NO MEETINGS OCT. 1-24  
 Department permission required 1st week.  
 2078005 1 TR 8:00-10:30  
 MEETS: AUG 26-DEC 20  
 2078010 2 TR 11:00-1:30  
 MEETS: AUG 26-DEC 20

TCHG DISCPN LITERCY EDUC 395 3 CREDITS  
 Prereq: EDUC 204 AND JUNIOR CLASSIFICATION  
 9656005 1 TR 9:30-10:50  
 MEETS: AUG 26-DEC 20

SOC JUSTC ED:ECE&EL EDUC 405 3 CREDITS  
 Prereq: EDUC 201, EDUC 332, JUNIOR CLASSIFICATION  
 ADMISSION TO TEACHER EDUCATION PROGRAM  
 Note: CONCURRENT ENROLLMENT IN EDUC 377, 448, 468A &  
 468. EL ED STUDENTS MUST ENROLL IN SAME SEC OF  
 EDUC 377 & 448. NO MEETINGS OCT. 28-NOV. 20  
 Meets U.S. diversity regmt  
 8300005 1 MW 11:00-12:50  
 MEETS: AUG 26-DEC 20  
 8300010 2 MW 2:10-4:00  
 MEETS: AUG 26-DEC 20  
 8300015 3 MW 9:00-10:50  
 MEETS: AUG 26-DEC 20  
 8300020 4 MW 2:10-4:00  
 MEETS: AUG 26-DEC 20  
 8300025 5 MW 9:00-10:50  
 MEETS: AUG 26-DEC 20

EDUCATION (CONTINUED)

SOCIAL JUSTC ED:SEC EDUC 406 3 CREDITS  
 Prereq: EDUC 201 OR EDUC 202, EDUC 332 OR EDUC 333, JUNIOR CLASSIFICATION, ADMISSION TO TEACHER PREPARATION PROGRAM, RESTRICTED TO THOSE ENROLLED IN SECONDARY AND K-12 EDUCATION PROGRAMS  
 Note: Meets U.S. diversity reqmt  
 6292005 1 R 5:10-8:00PM  
 MEETS: AUG 26-DEC 20  
 6292010 2 MW 3:40-4:55  
 MEETS: AUG 26-DEC 20  
 6292015 3 TR 3:40-5:00  
 MEETS: AUG 26-DEC 20

PRIN DISTANCE LEARN EDUC 407 3 CREDITS  
 Prereq: EDUC 201 OR EDUC 202; CONVENIENT ACCESS TO THE WEB  
 4037005 1 M 4:10-7:00PM  
 ARRANGED  
 MEETS: AUG 26-DEC 20

SUPV STDT TCHG: K-3 EDUC 416A VAR. CREDITS  
 Prereq: GPA 2.5; FULL ADMISSION TO TEACHER EDUCATION; SENIOR CLASSIFICATION; 378, 443, 448, 449; RESERVATION REQUIRED  
 Note: RESTRICTED TO STUDENTS OF THE EDUCATOR PREP PROGRAM  
 Department permission required 1st week.  
 5054005 1A ARRANGED  
 MEETS: AUG 26-OCT 18  
 Note: SEC 1A OFFERED FOR 8 CREDITS. FOR STUDENTS TEACHING IN CENTRAL IOWA.  
 5054010 1R ARRANGED  
 MEETS: AUG 26-OCT 18  
 Note: SEC 1R OFFERED FOR 8 CREDITS. FOR STUDENTS TEACHING OUTSIDE CENTRAL IOWA.  
 5054015 2A ARRANGED  
 MEETS: OCT 21-DEC 20  
 Note: SEC 2A OFFERED FOR 8 CREDITS. FOR STUDENTS TEACHING IN CENTRAL IOWA.  
 5054020 2R ARRANGED  
 MEETS: OCT 21-DEC 20  
 Note: SEC 2R OFFERED FOR 8 CREDITS. FOR STUDENTS TEACHING OUTSIDE CENTRAL IOWA.

SUPV TCHG:GRADES4-6 EDUC 416B VAR. CREDITS  
 Prereq: GPA 2.5; FULL ADMISSION TO TEACHER EDUCATION; SENIOR CLASSIFICATION; 378, 443, 448, 449; RESERVATION REQUIRED  
 Note: RESTRICTED TO STUDENTS OF THE EDUCATOR PREP PROGRAM  
 Department permission required 1st week.  
 5056005 1A ARRANGED  
 MEETS: AUG 26-OCT 18  
 Note: SEC 1A FOR STUDENTS TEACHING IN CENTRAL IOWA. OFFERED FOR 8 CREDITS.  
 5056010 1R ARRANGED  
 MEETS: AUG 26-OCT 18  
 Note: SEC 1R FOR STUDENTS TEACHING OUTSIDE CENTRAL IOWA OFFERED FOR 8 CREDITS  
 5056015 2A ARRANGED  
 MEETS: OCT 21-DEC 20  
 Note: SEC 2A FOR STUDENTS TEACHING IN CENTRAL IOWA. OFFERED FOR 8 CREDITS.  
 5056020 2R ARRANGED  
 MEETS: OCT 21-DEC 20  
 Note: SEC 2R FOR STUDENTS TEACHING OUTSIDE CENTRAL IOWA OFFERED FOR 8 CREDITS

SUPV TCHG:WRLD LANG EDUC 416C VAR. CREDITS  
 Prereq: GPA 2.5; FULL ADMISSION TO TEACHER EDUCATION; SENIOR CLASSIFICATION; 378, 443, 448, 449; RESERVATION REQUIRED  
 Note: RESTRICTED TO STUDENTS OF THE EDUCATOR PREP PROGRAM  
 5057005 1A ARRANGED  
 MEETS: AUG 26-OCT 18  
 Note: SEC 1A FOR STUDENTS TEACHING IN CENTRAL IOWA  
 5057010 1R ARRANGED  
 MEETS: AUG 26-OCT 18  
 Note: SEC 1R FOR STUDENTS TEACHING OUTSIDE CENTRAL IOWA  
 5057015 2A ARRANGED  
 MEETS: OCT 21-DEC 20  
 Note: SEC 2A FOR STUDENTS TEACHING IN CENTRAL IOWA  
 5057020 2R ARRANGED  
 MEETS: OCT 21-DEC 20  
 Note: SEC 2R FOR STUDENTS TEACHING OUTSIDE CENTRAL IOWA

SUPV TCHG:INT'L K-3 EDUC 416D VAR. CREDITS  
 Prereq: GPA 2.5; FULL ADMISSION TO TEACHER EDUCATION; SENIOR CLASSIFICATION; 378, 443, 448, 449; RESERVATION REQUIRED  
 5053810 DE ARRANGED  
 MEETS: AUG 26-DEC 20  
 Note: SEC DE TAUGHT IN GERMANY. STUDENT TEACHING STUDY ABROAD FALL 2019  
 5053815 NZ ARRANGED  
 MEETS: AUG 26-DEC 20  
 Note: SECT NZ TAUGHT IN ALEXANDRA, NEW ZEALAND STUDENT TEACHING ABROAD FALL 2019.

EDUCATION (CONTINUED)

SUPV TCHG:INT'L 4-6 EDUC 416E VAR. CREDITS  
 Prereq: GPA 2.5; FULL ADMISSION TO TEACHER EDUCATION; SENIOR CLASSIFICATION; 378, 443, 448, 449; RESERVATION REQUIRED  
 6824810 DE ARRANGED  
 MEETS: AUG 26-DEC 20  
 Note: SEC DE TAUGHT IN GERMANY. STUDENT TEACHING STUDY ABROAD FALL 2019  
 6824815 NZ ARRANGED  
 MEETS: AUG 26-DEC 20  
 Note: SECT NZ TAUGHT IN ALEXANDRA, NEW ZEALAND STUDENT TEACHING ABROAD FALL 2019.  
 6824820 TW ARRANGED  
 MEETS: AUG 26-DEC 20  
 Note: SEC TW TAUGHT IN TAIWAN. STUDENT TEACHING STUDY ABROAD FALL 2019

SUPV TCHG: ESL ELEM EDUC 416Z VAR. CREDITS  
 Prereq: GPA 2.5; FULL ADMISSION TO TEACHER EDUCATION; SENIOR CLASSIFICATION; 378, 443, 448, 449; RESERVATION REQUIRED  
 Note: RESTRICTED TO STUDENTS OF THE EDUCATOR PREP PROGRAM  
 9510005 1A ARRANGED  
 MEETS: OCT 21-DEC 20  
 Note: SEC 1A FOR STUDENTS TEACHING IN CENTRAL IOWA  
 9510010 1R ARRANGED  
 MEETS: OCT 21-DEC 20  
 Note: SEC 1R FOR STUDENTS TEACHING OUTSIDE CENTRAL IOWA  
 9510015 2A ARRANGED  
 MEETS: AUG 26-DEC 20  
 Note: SEC 2A FOR STUDENTS TEACHING IN CENTRAL IOWA  
 9510020 2R ARRANGED  
 MEETS: AUG 26-DEC 20  
 Note: SEC 2R FOR STUDENTS TEACHING OUTSIDE CENTRAL IOWA

STDT TCH SOC ST MID EDUC 417A VAR. CREDITS  
 Prereq: MINIMUM GPA OF 2.5; ADMISSION TO TEACHER EDUCATION; APPROVAL OF COORDINATOR DURING SEMESTER BEFORE STUDENT TEACHING  
 Note: RESTRICTED TO STUDENTS OF THE EDUCATOR PREP PROGRAM  
 8046005 1A ARRANGED  
 MEETS: AUG 26-OCT 18  
 Note: SEC 1A FOR STUDENTS TEACHING IN CENTRAL IOWA. OFFERED FOR 8 CREDITS.  
 8046010 1R ARRANGED  
 MEETS: AUG 26-OCT 18  
 Note: SEC 1R OFFERED FOR 8 CREDITS. FOR STUDENTS TEACHING OUTSIDE CENTRAL IOWA.  
 8046015 2A ARRANGED  
 MEETS: OCT 21-DEC 20  
 Note: SEC 2A FOR STUDENTS TEACHING IN CENTRAL IOWA. OFFERED FOR 8 CREDITS.  
 8046020 2R ARRANGED  
 MEETS: OCT 21-DEC 20  
 Note: SEC 2R OFFERED FOR 8 CREDITS. FOR STUDENTS TEACHING OUTSIDE CENTRAL IOWA.

STUDENT TCH PHYS SCI EDUC 417B VAR. CREDITS  
 Prereq: ADMISSION TO TEACHER EDUC; APPROVAL OF COORDINATOR DURING SEMESTER BEFORE STUDENT TEACHING  
 Note: RESTRICTED TO STUDENTS OF THE EDUCATOR PREP PROGRAM  
 9044005 1A ARRANGED  
 MEETS: AUG 26-OCT 18  
 Note: SEC 1A FOR STUDENTS TEACHING IN CENTRAL IOWA. OFFERED FOR 8 CREDITS.  
 9044010 1R ARRANGED  
 MEETS: OCT 21-DEC 20  
 Note: SEC 1R OFFERED FOR 8 CREDITS. FOR STUDENTS TEACHING OUTSIDE CENTRAL IOWA.  
 9044015 2A ARRANGED  
 MEETS: AUG 26-OCT 18  
 Note: SEC 2A FOR STUDENTS TEACHING IN CENTRAL IOWA. OFFERED FOR 8 CREDITS.  
 9044020 2R ARRANGED  
 MEETS: OCT 21-DEC 20  
 Note: SEC 2R OFFERED FOR 8 CREDITS. FOR STUDENTS TEACHING OUTSIDE CENTRAL IOWA.

STUDENT TEACHING MATH EDUC 417C VAR. CREDITS  
 Prereq: ADMISSION TO TEACHER EDUC; APPROVAL OF COORDINATOR DURING SEMESTER BEFORE STUDENT TEACHING  
 Note: RESTRICTED TO STUDENTS OF THE EDUCATOR PREP PROGRAM  
 9045005 1A ARRANGED  
 MEETS: AUG 26-OCT 18  
 Note: SEC 1A FOR STUDENTS TEACHING IN CENTRAL IOWA  
 9045010 1R ARRANGED  
 MEETS: AUG 26-OCT 18  
 Note: SEC 1R FOR STUDENTS TEACHING OUTSIDE CENTRAL IOWA  
 9045015 2A ARRANGED  
 MEETS: OCT 21-DEC 20  
 Note: SEC 2A FOR STUDENTS TEACHING IN CENTRAL IOWA  
 9045020 2R ARRANGED  
 MEETS: OCT 21-DEC 20  
 Note: SEC 2R FOR STUDENTS TEACHING OUTSIDE CENTRAL IOWA

EDUCATION (CONTINUED)

STUDNT TCH BIOL SCI EDUC 417D VAR. CREDITS  
 Prereq: ADMISSION TO TEACHER EDUC; APPROVAL OF  
 COORDINATOR DURING SEMESTER BEFORE STUDENT TEACHING  
 Note: RESTRICTED TO STUDENTS OF THE EDUCATOR PREP  
 PROGRAM

9046005 1A ARRANGED  
 MEETS: AUG 26-OCT 18  
 Note: SEC 1A FOR STUDENTS TEACHING IN CENTRAL IOWA.  
 OFFERED FOR 8 CREDITS.

9046010 1R ARRANGED  
 MEETS: AUG 26-OCT 18  
 Note: SEC 1R OFFERED FOR 8 CREDITS. FOR STUDENTS  
 TEACHING OUTSIDE CENTRAL IOWA.

9046015 2A ARRANGED  
 MEETS: OCT 21-DEC 20  
 Note: SEC 2A FOR STUDENTS TEACHING IN CENTRAL IOWA.  
 OFFERED FOR 8 CREDITS.

9046020 2R ARRANGED  
 MEETS: OCT 21-DEC 20  
 Note: SEC 2R OFFERED FOR 8 CREDITS. FOR STUDENTS  
 TEACHING OUTSIDE CENTRAL IOWA.

STUDNT TCH ENGL&LIT EDUC 417E VAR. CREDITS  
 Prereq: ENGL 494, ADMISSION TO TEACHER EDUCATION,  
 APPROVAL OF COORDINATOR SEMESTER PRIOR TO STUDENT  
 TEACHING  
 Note: COURSE RESTRICTED TO ENGL SENIORS IN THE  
 EDUCATOR PREP PROGRAM.  
 PLEASE NOTE: A SPECIAL COURSE FEE WILL BE  
 ASSESSED FOR THIS COURSE. PLEASE BE ADVISED THAT  
 THIS FEE WILL BE ASSESSED LATER IN THE SEMESTER.

9047005 1A ARRANGED  
 MEETS: AUG 26-OCT 18

9047010 1R ARRANGED  
 MEETS: AUG 26-OCT 18  
 Note: SEC 1R OFFERED FOR 8 CREDITS. FOR STUDENTS  
 TEACHING OUTSIDE CENTRAL IOWA.

9047015 2A ARRANGED  
 MEETS: OCT 21-DEC 20

9047020 2R ARRANGED  
 MEETS: OCT 21-DEC 20  
 Note: SEC 2R OFFERED FOR 8 CREDITS. FOR STUDENTS  
 TEACHING OUTSIDE CENTRAL IOWA.

STDT TCH WORLD LANG EDUC 417G VAR. CREDITS  
 Prereq: MINIMUM GPA OF 2.5; ADMISSION TO TEACHER  
 EDUCATION; APPROVAL OF COORDINATOR DURING SEMESTER  
 BEFORE STUDENT TEACHING  
 Note: RESTRICTED TO STUDENTS OF THE EDUCATOR PREP  
 PROGRAM

9049005 1A ARRANGED  
 MEETS: AUG 26-OCT 18  
 Note: SEC 1A FOR STUDENTS TEACHING IN CENTRAL IOWA.  
 OFFERED FOR 8 CREDITS.

9049010 1R ARRANGED  
 MEETS: AUG 26-OCT 18  
 Note: SEC 1R OFFERED FOR 8 CREDITS. FOR STUDENTS  
 TEACHING OUTSIDE CENTRAL IOWA.

9049015 2A ARRANGED  
 MEETS: OCT 21-DEC 20  
 Note: SEC 1A FOR STUDENTS TEACHING IN CENTRAL IOWA.  
 OFFERED FOR 8 CREDITS.

9049020 2R ARRANGED  
 MEETS: OCT 21-DEC 20  
 Note: SEC 2R OFFERED FOR 8 CREDITS. FOR STUDENTS  
 TEACHING OUTSIDE CENTRAL IOWA.

STDNT TCH EARTH SCI EDUC 417J VAR. CREDITS  
 Prereq: ADMISSION TO TEACHER EDUC; APPROVAL OF  
 COORDINATOR DURING SEMESTER BEFORE STUDENT TEACHING  
 Note: RESTRICTED TO STUDENTS WITH FULL OR TENTATIVE  
 ADMISSION TO THE UNIVERSITY TEACHER EDUCATION PROGRAM

9051005 1A ARRANGED  
 MEETS: AUG 26-OCT 18  
 Note: SEC 1A FOR STUDENTS TEACHING IN CENTRAL IOWA.  
 OFFERED FOR 8 CREDITS.

9051010 1R ARRANGED  
 MEETS: AUG 26-OCT 18  
 Note: SEC 1R OFFERED FOR 8 CREDITS. FOR STUDENTS  
 TEACHING OUTSIDE CENTRAL IOWA.

9051015 2A ARRANGED  
 MEETS: AUG 26-OCT 18  
 Note: SEC 2A FOR STUDENTS TEACHING IN CENTRAL IOWA.  
 OFFERED FOR 8 CREDITS.

9051020 2R ARRANGED  
 MEETS: AUG 26-OCT 18  
 Note: SEC 2R OFFERED FOR 8 CREDITS. FOR STUDENTS  
 TEACHING OUTSIDE CENTRAL IOWA.

STDNT TCH BASIC SCI EDUC 417M VAR. CREDITS  
 Prereq: ADMISSION TO TEACHER EDUC; APPROVAL OF  
 COORDINATOR DURING SEMESTER BEFORE STUDENT TEACHING  
 Note: RESTRICTED TO STUDENTS OF THE EDUCATOR PREP  
 PROGRAM

9054005 1A ARRANGED  
 MEETS: AUG 26-OCT 18  
 Note: SEC 1A FOR STUDENTS TEACHING IN CENTRAL IOWA.  
 OFFERED FOR 8 CREDITS.

9054010 1R ARRANGED  
 MEETS: AUG 26-OCT 18  
 Note: SEC 1R OFFERED FOR 8 CREDITS. FOR STUDENTS  
 TEACHING OUTSIDE CENTRAL IOWA.

9054015 2A ARRANGED  
 MEETS: OCT 21-DEC 20  
 Note: SEC 2A FOR STUDENTS TEACHING IN CENTRAL IOWA.  
 OFFERED FOR 8 CREDITS.

EDUCATION (CONTINUED)

STDTNT TCH BASIC SCI EDUC 417M VAR. CREDITS  
 9054020 2R ARRANGED  
 MEETS: OCT 21-DEC 20  
 Note: SEC 2R OFFERED FOR 8 CREDITS. FOR STUDENTS  
 TEACHING OUTSIDE CENTRAL IOWA.

STUDENT TCHNG INT'L EDUC 417N VAR. CREDITS  
 Prereq: MINIMUM GPA OF 2.5; ADMISSION TO TEACHER  
 EDUCATION; APPROVAL OF COORDINATOR DURING SEMESTER  
 BEFORE STUDENT TEACHING

7301810 DE ARRANGED  
 MEETS: AUG 26-DEC 20  
 Note: SEC DE TAUGHT IN GERMANY. STUDENT TEACHING  
 STUDY ABROAD FALL 2019

7301800 NO ARRANGED  
 MEETS: AUG 26-DEC 20  
 Note: SECT NO TAUGHT IN ROSENDAL, NORWAY.  
 STUDENT TEACHING ABROAD FALL 2019

7301820 TW ARRANGED  
 MEETS: AUG 26-DEC 20  
 Note: SEC TW TAUGHT IN TAIWAN. STUDENT TEACHING  
 STUDY ABROAD FALL 2019

STDT TCH SOC STU HS EDUC 417P VAR. CREDITS  
 Prereq: ADMISSION TO TEACHER EDUC; APPROVAL OF  
 COORDINATOR DURING SEMESTER BEFORE STUDENT TEACHING  
 Note: RESTRICTED TO STUDENTS OF THE EDUCATOR PREP  
 PROGRAM

8612005 1A ARRANGED  
 MEETS: AUG 26-OCT 18  
 Note: SEC 1A OFFERED FOR 8 CREDITS. FOR STUDENTS  
 TEACHING IN CENTRAL IOWA.

8612010 1R ARRANGED  
 MEETS: AUG 26-OCT 18  
 Note: SEC 1R OFFERED FOR 8 CREDITS. FOR STUDENTS  
 TEACHING OUTSIDE CENTRAL IOWA.

8612015 2A ARRANGED  
 MEETS: OCT 21-DEC 20  
 Note: SEC 2A OFFERED FOR 8 CREDITS. FOR STUDENTS  
 TEACHING IN CENTRAL IOWA.

8612020 2R ARRANGED  
 MEETS: OCT 21-DEC 20  
 Note: SEC 2R OFFERED FOR 8 CREDITS. FOR STUDENTS  
 TEACHING OUTSIDE CENTRAL IOWA.

STUDNT TCH ELEM MUS EDUC 417R VAR. CREDITS  
 Prereq: MINIMUM GPA OF 2.5; ADMISSION TO TEACHER  
 EDUCATION; APPROVAL OF COORDINATOR DURING SEMESTER  
 BEFORE STUDENT TEACHING  
 Note: RESTRICTED TO STUDENTS OF THE EDUCATOR PREP  
 PROGRAM

6702005 1A ARRANGED  
 MEETS: AUG 26-OCT 18  
 Note: SEC 2A FOR STUDENTS TEACHING IN CENTRAL IOWA.  
 OFFERED FOR 8 CREDITS.

6702010 1R ARRANGED  
 MEETS: AUG 26-OCT 18  
 Note: SEC 1R OFFERED FOR 8 CREDITS. FOR STUDENTS  
 TEACHING OUTSIDE CENTRAL IOWA.

6702015 2A ARRANGED  
 MEETS: OCT 21-DEC 20  
 Note: SEC 2A FOR STUDENTS TEACHING IN CENTRAL IOWA.  
 OFFERED FOR 8 CREDITS.

6702020 2R ARRANGED  
 MEETS: OCT 21-DEC 20  
 Note: SEC 1R OFFERED FOR 8 CREDITS. FOR STUDENTS  
 TEACHING OUTSIDE CENTRAL IOWA.

STUDNT TCHG SEC MUS EDUC 417S VAR. CREDITS  
 Prereq: MINIMUM GPA OF 2.5; ADMISSION TO TEACHER  
 EDUCATION; APPROVAL OF COORDINATOR DURING SEMESTER  
 BEFORE STUDENT TEACHING  
 Note: RESTRICTED TO STUDENTS OF THE EDUCATOR PREP  
 PROGRAM

6682005 1A ARRANGED  
 MEETS: AUG 26-OCT 18  
 Note: SEC 1A FOR STUDENTS TEACHING IN CENTRAL IOWA.  
 OFFERED FOR 8 CREDITS.

6682010 1R ARRANGED  
 MEETS: AUG 26-OCT 18  
 Note: SEC 1R OFFERED FOR 8 CREDITS. FOR STUDENTS  
 TEACHING OUTSIDE CENTRAL IOWA.

6682015 2A ARRANGED  
 MEETS: OCT 21-DEC 20  
 Note: SEC 2A FOR STUDENTS TEACHING IN CENTRAL IOWA.  
 OFFERED FOR 8 CREDITS.

6682020 2R ARRANGED  
 MEETS: OCT 21-DEC 20  
 Note: SEC 2R OFFERED FOR 8 CREDITS. FOR STUDENTS  
 TEACHING OUTSIDE CENTRAL IOWA.

STDNT TCH ESL SEC DY EDUC 417Z VAR. CREDITS  
 Prereq: MINIMUM GPA OF 2.5; ADMISSION TO TEACHER  
 EDUCATION; APPROVAL OF COORDINATOR DURING SEMESTER  
 BEFORE STUDENT TEACHING  
 Note: RESTRICTED TO STUDENTS OF THE EDUCATOR PREP  
 PROGRAM

9512005 1A ARRANGED  
 MEETS: AUG 26-OCT 18  
 Note: SEC 1A FOR STUDENTS TEACHING IN CENTRAL IOWA.  
 OFFERED FOR 8 CREDITS.

9512010 1R ARRANGED  
 MEETS: AUG 26-OCT 18  
 Note: SEC 1R OFFERED FOR 8 CREDITS. FOR STUDENTS  
 TEACHING OUTSIDE CENTRAL IOWA.

EDUCATION (CONTINUED)

STDNT TCH ESL SECYD EDUC 417Z VAR. CREDITS  
 9512015 2A ARRANGED  
 MEETS: OCT 21-DEC 20  
 Note: SEC 2A FOR STUDENTS TEACHING IN CENTRAL IOWA.  
 OFFERED FOR 8 CREDITS.  
 9512020 2R ARRANGED  
 MEETS: OCT 21-DEC 20  
 Note: SEC 2R OFFERED FOR 8 CREDITS. FOR STUDENTS  
 TEACHING OUTSIDE CENTRAL IOWA.

SECNDRY SCI METHD I EDUC 418 3 CREDITS  
 Prereq: EDUC 280M OR EDUC 514; UNDERGRADUATE  
 STUDENTS MUST REGISTER CONCURRENTLY FOR EDUC 347 AND  
 EDUC 468J  
 Note: CONCURRENT ENROLLMENT IN 468J AND 347 REQUIRED  
 8268005 1 M 4:10-7:00PM  
 MEETS: AUG 26-DEC 20

BILINGUAL&U.S. MEXI EDUC 420 3 CREDITS  
 Prereq: EDUC 405 OR EDUC 406  
 8569005 1 F 1:10-4:00  
 MEETS: AUG 26-DEC 20

PRIN SECONDARY EDUC EDUC 426 3 CREDITS  
 Prereq: SENIOR CLASSIFICATION, ADMISSION TO  
 TEACHER EDUCATION PROGRAM  
 Note: RESTRICTED TO STUDENTS OF THE EDUCATOR PREP  
 PROGRAM  
 6293005 1 TR 12:40-2:00  
 MEETS: AUG 26-DEC 20  
 6293010 2 W 5:30-8:30PM  
 MEETS: AUG 26-DEC 20

SOC STDI PRIM GRADE EDUC 433 2 CREDITS  
 Prereq: EDUC 377, HD FS 224; CONCURRENT  
 ENROLLMENT IN EDUC 439, SP ED 355, SP ED 455, AND  
 EDUC 468I  
 Note: NO MEETINGS SEPT 24-OCT 19  
 4487005 1 M 8:00-10:30  
 MEETS: AUG 26-DEC 20  
 Note: NO MEETINGS SEPT 25-OCT 18

MATH IN PRIMRY GRDS EDUC 438 2 CREDITS  
 Prereq: C- OR BETTER IN MATH 195 AND MATH 196.  
 CONCURRENT ENROLLMENT IN EDUC 377, EDUC 468F, EDUC  
 468G, AND SP ED 368  
 Note: COURSE RESTRICTED TO ECE MAJORS  
 4489005 1 MW 11:00-12:15  
 MEETS: AUG 26-DEC 20

SCI IN PRIMARY GRDS EDUC 439 2 CREDITS  
 Prereq: EDUC 377, HD FS 224; CONCURRENT  
 ENROLLMENT IN EDUC 433, EDUC 468I, SP ED 355, SP ED  
 455  
 Note: COURSE RESTRICTED TO ECE MAJORS  
 NO MEETINGS SEPT 24-OCT 19  
 4491005 1 M 1:40-4:20  
 MEETS: AUG 26-DEC 20

TCHG OF SOC STUDIES EDUC 443 3 CREDITS  
 Prereq: EDUC 377, CONCURRENT ENROLLMENT IN  
 EDUC 378, EDUC 449, EDUC 468B, AND EDUC 468D (EL ED  
 MAJORS)  
 Note: CONCURRENT ENROLLMENT IN EDUC 378 & 449.  
 CONCURRENT ENROLLMENT IN EDUC 468B & 468D OR 468T  
 EL ED STUDENTS MUST ENROLL IN THE SAME SEC OF EDUC 37  
 NO MEETINGS OCT. 1-24  
 Department permission required 1st week.  
 3258005 1 TR 1:10-3:00  
 MEETS: AUG 26-DEC 20  
 3258010 2 TR 9:00-10:50  
 MEETS: AUG 26-DEC 20  
 3258015 3 TR 9:00-10:50  
 MEETS: AUG 26-DEC 20

TCHNG CHILDREN MATH EDUC 448 3 CREDITS  
 Prereq: C- OR BETTER IN MATH 195 AND MATH 196.  
 CONCURRENT ENROLLMENT IN EDUC 377, EDUC 468A, EDUC  
 468A, EDUC 468C, EDUC 405 (EL ED MAJORS) OR EDUC 377,  
 EDUC 468F, EDUC 468G (ECE MAJORS)  
 Note: CONCURRENT ENROLLMENT IN EDUC 377, 405, 468A &  
 468C. EL ED STUDENTS MUST ENROLL IN SAME SEC OF  
 EDUC 377 & 405. NO MEETINGS OCT. 28-NOV. 20  
 3260020 1 MW 1:10-3:00  
 MEETS: AUG 26-DEC 20  
 3260025 2 MW 9:00-10:50  
 MEETS: AUG 26-DEC 20  
 3260015 3 MW 11:00-12:50  
 MEETS: AUG 26-DEC 20  
 3260005 4 MW 9:00-10:50  
 MEETS: AUG 26-DEC 20  
 3260030 5 MW 11:00-12:50  
 MEETS: AUG 26-DEC 20

TEACHING OF SCIENCE EDUC 449 3 CREDITS  
 Prereq: EDUC 377, CONCURRENT ENROLLMENT IN  
 EDUC 378, EDUC 468B, EDUC 468D, EDUC 443.  
 Note: CONCURRENT ENROLLMENT IN EDUC 378 & 443.  
 CONCURRENT ENROLLMENT IN EDUC 468B & 468D OR 468T.  
 EL ED STUDENTS MUST ENROLL IN THE SAME SEC OF EDUC  
 378 & 443. NO MEETINGS OCT. 1-24  
 Department permission required 1st week.  
 3261005 1 TR 11:00-12:50  
 MEETS: AUG 26-DEC 20  
 3261010 2 TR 2:10-4:00  
 MEETS: AUG 26-DEC 20

EDUCATION (CONTINUED)

LITERCY&LRNG ASESMT EDUC 452 3 CREDITS  
 Prereq: EDUC 378 OR EQUIVALENT  
 Note: CONCURRENT ENROLLMENT IN SAME SEC OF  
 C I 488 REQUIRED  
 6584005 1 T 5:10-8:30PM  
 ARRANGED  
 MEETS: AUG 26-DEC 20  
 6584010 2 TR 12:40-2:00  
 ARRANGED  
 MEETS: AUG 26-DEC 20

EMERG TOPC DGTL TEC EDUC 454 1- 3 CREDITS  
 Prereq: EDUC 201 OR EDUC 202  
 Note: COURSE ONLY OFFERED FOR 1 CREDIT FALL 2019  
 9436005 1 ARRANGED  
 MEETS: AUG 26-DEC 20  
 9436010 2 ARRANGED  
 MEETS: AUG 26-DEC 20

LITRCY INTGRAT TECH EDUC 456 3 CREDITS  
 Prereq: EDUC 201 OR EDUC 202; EDUC 377  
 Note: Department permission required 1st week.  
 3257005 1 W 5:10-8:00PM  
 MEETS: AUG 26-DEC 20

CRIT APPRCH CH LIT EDUC 459 3 CREDITS  
 Prereq: ADMISSION TO TEACHER EDUCATION PROGRAM;  
 EDUC 377; CREDIT OR CONCURRENT ENROLLMENT IN EDUC 378  
 0029005 1 M 5:00-8:00PM  
 MEETS: AUG 26-DEC 20  
 0029010 2 W 5:00-8:00PM  
 MEETS: AUG 26-DEC 20

EXP II:PRI RDG&LANG EDUC 468A 1 CREDIT  
 Prereq: FULL ADMISSION TO THE UNIVERSITY  
 TEACHER EDUCATION PROGRAM  
 Note: CONCURRENTLY ENROLLMENT 377, 448, 405, 468C.  
 MANDATORY INFORMATIONAL MEETING WITH IN THE FIRST 2  
 WEEKS OF CLASS. MUST BE AVAILABLE ON MON & WED  
 7:30AM-4:30PM  
 Satisfactory-Fail Only.  
 3265005 1 ARRANGED  
 MEETS: AUG 26-DEC 20  
 3265010 2 MW 7:30-4:30  
 MEETS: AUG 26-DEC 20

EXP II:RDG&LANG 4-6 EDUC 468B 1 CREDIT  
 Prereq: FULL ADMISSION TO THE UNIVERSITY  
 TEACHER EDUCATION PROGRAM  
 Note: CONCURRENTLY ENROLLMENT 378, 443, 468D.  
 MANDATORY INFORMATIONAL MEETING WITHIN  
 THE FIRST 2 WEEKS OF CLASS.  
 Satisfactory-Fail Only.  
 3266005 1 TR 7:30-4:30, MEETS:

EXP II:MATH PRIMARY EDUC 468C 1 CREDIT  
 Prereq: FULL ADMISSION TO THE UNIVERSITY  
 TEACHER EDUCATION PROGRAM  
 Note: CONCURRENTLY ENROLLMENT 377, 448, 405, 468A.  
 MANDATORY INFORMATIONAL MEETING WITH IN THE FIRST 2  
 WEEKS OF CLASS.  
 Satisfactory-Fail Only.  
 3267005 1 ARRANGED  
 MEETS: AUG 26-DEC 20

EXPRNCE II: SCI 4-6 EDUC 468D 1 CREDIT  
 Prereq: FULL ADMISSION TO THE UNIVERSITY  
 TEACHER EDUCATION PROGRAM  
 Note: CONCURRENTLY ENROLLMENT 377, 443, 449, 468B.  
 MANDATORY INFORMATIONAL MEETING WITH IN THE FIRST  
 2 WEEKS OF CLASS.  
 Department permission required 1st week.  
 Satisfactory-Fail Only.  
 3268005 1 TR 7:30-4:30  
 MEETS: AUG 26-DEC 20

EXPER II:WLD LANGUA EDUC 468E 1 CREDIT  
 Prereq: FULL ADMISSION TO THE UNIVERSITY  
 TEACHER EDUCATION PROGRAM  
 Note: CONCURRENT ENROLLMENT IN WLC 486  
 Satisfactory-Fail Only.  
 9382005 1 F 7:30-4:00  
 MEETS: AUG 26-DEC 20  
 Note: NO MEETING OCT 19  
 9382010 2 F 7:30-4:00  
 MEETS: AUG 26-DEC 20  
 9382015 3 F 7:30-4:00  
 MEETS: AUG 26-DEC 20

EXP II:LITRCY PRMRY EDUC 468F 1 CREDIT  
 Prereq: FULL ADMISSION TO THE UNIVERSITY  
 TEACHER EDUCATION PROGRAM  
 Note: TAKE CONCURRENTLY WITH 377, 368, 438, 468G  
 RESTRICTED TO STUDENTS OF THE EDUCATOR PREP  
 PROGRAM  
 Satisfactory-Fail Only.  
 4518005 1 MW 7:30-4:30  
 MEETS: AUG 26-DEC 20

EDUCATION (CONTINUED)

EDUCATION (CONTINUED)

EXP II:MATH PRIMARY EDUC 468G 1 CREDIT  
 Prereq: FULL ADMISSION TO THE UNIVERSITY  
 TEACHER EDUCATION PROGRAM  
 Note: MUST ALSO REGISTER FOR 377,433,438,439,468I,  
 SP ED 355 & 455. RESTRICTED TO ECE MAJORS WITH FULL  
 OR TENTATIVE ADMISSION TO THE UNIVERSITY TEACHER  
 EDUCATION PROGRAM.  
 Satisfactory-Fail Only.  
 4524005 1 MW 7:30-4:30  
 MEETS: AUG 26-DEC 20

EXPER II:SCI PRIMRY EDUC 468I 1 CREDIT  
 Prereq: FULL ADMISSION TO THE UNIVERSITY  
 TEACHER EDUCATION PROGRAM  
 Note: MUST ALSO REGISTER FOR SP ED 355 & 455.  
 RESTRICTED TO ECE MAJORS WITH FULL OR TENTATIVE  
 ADMISSION TO THE UNIVERSITY TEACHER EDUCATION PROGRAM  
 Satisfactory-Fail Only.  
 4528005 1 MW 12:30-4:30  
 MEETS: AUG 26-DEC 20

EXPERC II:SEC SCI I EDUC 468J 2 CREDITS  
 Prereq: 245, 250, 268; ADMISSION TO TEACHER EDUC  
 Note: CONCURRENT ENROLLMENT IN C I 347 AND 418 IS  
 REQUIRED. RESTRICTED TO STUDENTS WITH FULL OR  
 TENTATIVE ADMISSION TO THE UNIVERSITY TEACHER  
 EDUCATION PROGRAM.  
 Satisfactory-Fail Only.  
 8222005 1 ARRANGED  
 MEETS: AUG 26-DEC 20

EXP II:READ ENDORSE EDUC 468R 1 CREDIT  
 Prereq: FULL ADMISSION TO UNIVERSITY TEACHER  
 EDUCATION PROGRAM; PERMISSION OF SCHOOL OF EDUCATION  
 REQUIRED; CONCURRENT ENROLLMENT IN EDUC 378  
 Note: RESTRICTED TO STUDENTS WITH FULL OR TENTATIVE  
 ADMISSION TO THE UNIVERSITY TEACHER EDUCATION PROGRAM  
 Department permission required 1st week.  
 Satisfactory-Fail Only.  
 4300005 1 TR 7:30-12:30  
 MEETS: AUG 26-DEC 20

EXPERC III:HIST/SOC EDUC 480A 2 CREDITS  
 Prereq: FULL ADMISSION TO THE UNIVERSITY  
 TEACHER EDUCATION PROGRAM  
 Note: COURSE RESTRICTED TO HIST, POL S MAJORS  
 WITH FULL OR TENTATIVE ADMISSION TO THE UNIVERSITY  
 EDUCATOR PREP PROGRAM  
 THERE IS A SPECIAL COURSE FEE OF \$90 FOR THIS  
 COURSE  
 6581005 1 ARRANGED BREMER J  
 MEETS: AUG 26-DEC 20

EXPERIENC III:MATH EDUC 480C .5- 2 CREDITS  
 Prereq: FULL ADMISSION TO THE UNIVERSITY  
 TEACHER EDUCATION PROGRAM  
 9057005 1 ARRANGED  
 MEETS: AUG 26-DEC 20  
 Note: SEC 1 OFFERED FOR 1-2 CREDITS

EXPERNC III:ENGLISH EDUC 480E 1- 2 CREDITS  
 Prereq: FULL ADMISSION TO THE UNIVERSITY  
 TEACHER EDUCATION PROGRAM  
 5062005 1 ARRANGED  
 MEETS: AUG 26-DEC 20

EXPERC III:WLD LANG EDUC 480G 1- 2 CREDITS  
 Prereq: FULL ADMISSION TO THE UNIVERSITY  
 TEACHER EDUCATION PROGRAM  
 5174005 1 ARRANGED  
 MEETS: AUG 26-DEC 20

EXPERNE III: MUSIC EDUC 480K 1 CREDIT  
 Prereq: FULL ADMISSION TO THE UNIVERSITY  
 TEACHER EDUCATION PROGRAM  
 Satisfactory-Fail Only.  
 9064005 1 ARRANGED  
 MEETS: AUG 26-DEC 20

EXPERIENCE III: ESL EDUC 480S 2 CREDITS  
 Prereq: EDUC 280S, ENGL 219/LING 219, ENGL 220/  
 LING 220, ENGL 511/LING 511, ADMISSION TO UNIVERSITY  
 TEACHER EDUCATION PROGRAM  
 Satisfactory-Fail Only.  
 7955005 1 ARRANGED  
 MEETS: AUG 26-DEC 20

WLD LANGU MTHDS SEC EDUC 487 3 CREDITS  
 Prereq: 25 CREDITS IN A WORLD LANGUAGE,  
 ADMISSION TO THE TEACHER EDUCATION PROGRAM  
 Note: RESTRICTED TO STUDENTS IN THE EDUCATOR PREP  
 PROGRAM  
 Instructor permission required.  
 4412005 1 R 6:10-8:50PM  
 MEETS: AUG 26-DEC 20

SUPVTS TUTOR READING EDUC 488 3 CREDITS  
 Prereq: CONCURRENT ENROLLMENT IN OR COMPLETION  
 OF ONE COURSE IN CORRECTIVE READING; DIAGNOSIS AND  
 CORRECTION OF READING PROBLEMS  
 Note: CONCURRENT ENROLLMNT IN SAME SEC OF  
 452.  
 9461005 1 R 5:10-8:30PM  
 MEETS: AUG 26-DEC 20  
 9461010 2 TR 3:30-5:00  
 MEETS: AUG 26-DEC 20

INDEP STDY MUSIC ED EDUC 490A VAR. CREDITS  
 Prereq: GPA OF 2.5 OR MORE FOR PRECEDING SEMESTER  
 Note: Instructor permission required 1st week.  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

IND STU CURR CONSTR EDUC 490C 1- 3 CREDITS  
 Prereq: GPA OF 2.5 OR MORE FOR PRECEDING SEMESTER  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

INDEP STU PRIN EDUC EDUC 490D 1- 3 CREDITS  
 Prereq: GPA OF 2.5 OR MORE FOR PRECEDING SEMESTER  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

IND STDY METHD TCHG EDUC 490E 1- 3 CREDITS  
 Prereq: GPA OF 2.5 OR MORE FOR PRECEDING SEMESTER  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

IND STDY EDUC PSYCH EDUC 490F 1- 3 CREDITS  
 Prereq: GPA OF 2.5 OR MORE FOR PRECEDING SEMESTER  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

IND STU DIGITL LRNG EDUC 490G 1- 3 CREDITS  
 Prereq: GPA OF 2.5 OR MORE FOR PRECEDING SEMESTER  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

INDEP STUDY HONORS EDUC 490H 1- 3 CREDITS  
 Prereq: GPA OF 2.5 OR MORE FOR PRECEDING SEMESTER  
 MEMBERSHIP IN UNIV HONORS PROGRAM  
 Note: COURSE RESTRICTED TO STUDENTS IN THE UNIVERSITY  
 HONORS PROGRAM ONLY  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

IND STU SOC&CULTURL EDUC 490J 1- 3 CREDITS  
 Prereq: GPA OF 2.5 OR MORE FOR PRECEDING SEMESTER  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

IND STU HIST/SOC SC EDUC 490K 1- 3 CREDITS  
 Prereq: GPA OF 2.5 OR MORE FOR PRECEDING SEMESTER  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

IND STU LITERACY ED EDUC 490L 1- 3 CREDITS  
 Prereq: GPA OF 2.5 OR MORE FOR PRECEDING SEMESTER  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

INDEP STU MATH EDUC EDUC 490M 1- 3 CREDITS  
 Prereq: GPA OF 2.5 OR MORE FOR PRECEDING SEMESTER  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

IND STU WORLD LANGU EDUC 490N 1- 3 CREDITS  
 Prereq: GPA OF 2.5 OR MORE FOR PRECEDING SEMESTER  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

IND STDY FOUND EDUC EDUC 490O 1- 3 CREDITS  
 Prereq: GPA OF 2.5 OR MORE FOR PRECEDING SEMESTER  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

INDEP STDY SCI EDUC EDUC 490P 1- 3 CREDITS  
 Prereq: GPA OF 2.5 OR MORE FOR PRECEDING SEMESTER  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

TEACH LIT SECONDARY EDUC 494 3 CREDITS  
 Prereq: ENGL 310, 397, 9 OTHER CREDITS IN ENGLISH  
 BEYOND 250, PSYCH 333, ADMISSION TO TEACHER EDUC PROG  
 Note: RESTRICTED TO STUDENTS IN THE EDUCATOR PREP  
 PROGRAM  
 6305005 1 TR 2:10-3:30  
 MEETS: AUG 26-DEC 20  
 Note: Instructor permission required.

TEACHING SPEECH EDUC 495B 3 CREDITS  
 Prereq: SP CM 313; 9 CREDITS IN SP CM;  
 MINIMUM GPA OF 2.50 IN SP CM COURSES  
 7217005 1 ARRANGED  
 MEETS: AUG 26-DEC 20  
 Note: Instructor permission required.

TEACH SEC SCHL MATH EDUC 497 3 CREDITS  
 Prereq: 15 CR IN COLLEGE MATH; IF IN A TEACHER  
 LICENSURE PROGRAM, CONCURRENT ENROLLMENT IN EDUC 426  
 OR EDUC 526  
 6307005 1 T 5:10-8:00PM  
 MEETS: AUG 26-DEC 20

MTHDS TCHG HIST/SOC EDUC 498 3 CREDITS  
 Prereq: CONCURRENT ENROLLMENT IN 480A; ADMISSION  
 TO TEACHER EDUC; 30 CREDITS IN SUBJECT-MATTER FIELD  
 Note: RESTRICTED TO HIST, POL S MAJORS IN THE  
 EDUCATOR PREP PROGRAM  
 8504005 1 M 6:10-9:00PM BREMER J  
 MEETS: AUG 26-DEC 20

EDUCATION (CONTINUED)

EDUCATION (CONTINUED)

FOUND EDUC TECNOLOGS EDUC 501 3 CREDITS  
 Prereq: GRADUATE CLASSIFICATION  
 Note: \$25 SPECIAL COURSE FEE WILL BE ASSESSED  
 2792005 1 M 5:10-8:00PM  
 MEETS: AUG 26-DEC 20

DSGN LEARNING ENVIR EDUC 503 3 CREDITS  
 Prereq: 501  
 2794005 1 ARRANGED  
 MEETS: AUG 26-DEC 20  
 Note: Course delivery is WWW

TCHNOL IN TEACH&LRN EDUC 505 3 CREDITS  
 Prereq: GRADUATE CLASSIFICATION  
 2796005 1 ARRANGED  
 MEETS: AUG 26-DEC 20  
 Note: Course delivery is WWW

ADV SOC JUSTIC EDUC EDUC 506 3 CREDITS  
 Prereq: 6 GRADUATE CREDITS IN EDUCATION  
 2797005 1 R 5:10-8:00PM  
 MEETS: AUG 26-DEC 20

PRIN DISTANCE LEARN EDUC 507 3 CREDITS  
 Prereq: EDUC 201 OR EDUC 202; CONVENIENT ACCESS  
 TO THE WEB  
 4384005 1 M 4:10-7:00PM  
 ARRANGED  
 MEETS: AUG 26-DEC 20

GEOMETRY K-12 CLSRM EDUC 509 3 CREDITS  
 Prereq: 6 CREDITS OF MATH; CREDIT OR ENROLLMENT  
 IN EDUC 448 OR EDUC 497 OR EDUC 597  
 4446005 1 M 5:10-8:00PM  
 MEETS: AUG 26-DEC 20

MATH PROB SOLV K-12 EDUC 513 3 CREDITS  
 Prereq: 6 CREDITS OF MATH; CREDIT OR ENROLLMENT  
 IN EDUC 448 OR EDUC 497 OR EDUC 597  
 6988005 1 W 5:10-8:00PM  
 MEETS: AUG 26-DEC 20

STUDNT TCH PHYS SCI EDUC 517B VAR. CREDITS  
 Prereq: ADMISSION TO TEACHER EDUC; APPROVAL OF  
 COORDINATOR DURING SEMESTER BEFORE STUDENT TEACHING  
 Note: RESTRICTED TO STUDENTS IN THE EDUCATOR PREP  
 PROGRAM  
 2460010 1 ARRANGED  
 MEETS: AUG 26-DEC 20  
 2460015 2 ARRANGED  
 MEETS: OCT 21-DEC 20

STUDNT TEACHNG MATH EDUC 517C VAR. CREDITS  
 Prereq: ADMISSION TO TEACHER EDUC; APPROVAL OF  
 COORDINATOR DURING SEMESTER BEFORE STUDENT TEACHING  
 Note: RESTRICTED TO STUDENTS TO THE EDUCATOR PREP  
 PROGRAM  
 2466005 1 ARRANGED  
 MEETS: AUG 26-DEC 20  
 2466010 2 ARRANGED  
 MEETS: AUG 26-DEC 20

STUDNT TCH BIOL SCI EDUC 517D VAR. CREDITS  
 Prereq: ADMISSION TO TEACHER EDUC; APPROVAL OF  
 COORDINATOR DURING SEMESTER BEFORE STUDENT TEACHING  
 2475005 1 ARRANGED  
 MEETS: AUG 26-DEC 20

SECNDRY SCI METHD I EDUC 518 3 CREDITS  
 Prereq: EDUC 280M OR EDUC 514; UNDERGRADUATE  
 STUDENTS MUST REGISTER CONCURRENTLY FOR EDUC 347 AND  
 EDUC 468J  
 8369005 1 M 4:10-7:00PM  
 MEETS: AUG 26-DEC 20

BILINGUAL&U.S. MEXI EDUC 520 3 CREDITS  
 Prereq: EDUC 405 OR EDUC 406  
 8570005 1 F 1:10-4:00  
 MEETS: AUG 26-DEC 20

PRIN SECONDARY EDUC EDUC 526 3 CREDITS  
 Prereq: SENIOR CLASSIFICATION, ADMISSION TO  
 TEACHER EDUCATION PROGRAM  
 7724005 1 TR 12:40-2:00  
 MEETS: AUG 26-DEC 20  
 7724010 2 W 5:30-8:30PM  
 MEETS: AUG 26-DEC 20

THEORIES OF LEARNNG EDUC 533 3 CREDITS  
 4363005 1 W 5:10-8:00PM  
 MEETS: AUG 26-DEC 20

CORRECTIVE READING EDUC 552 3 CREDITS  
 Prereq: EDUC 378 OR EQUIVALENT  
 Note: CONCURRENT ENROLLMENT IN SAME SEC OF  
 552.  
 3276005 1 T 5:10-8:30PM  
 MEETS: AUG 26-DEC 20

TCH STRUGL ADOL RDR EDUC 553 3 CREDITS  
 Prereq: TEACHING LICENSE OR SENIOR CLASSIFICATION  
 7267005 1 W 5:10-8:00PM  
 MEETS: AUG 26-DEC 20

TCHNOL IN READ&LANG EDUC 556 3 CREDITS  
 Prereq: TEACHING LICENSE  
 1285005 1 W 5:10-8:00PM  
 MEETS: AUG 26-DEC 20

STUDI FOUND ED U.S. EDUC 580 3 CREDITS  
 Prereq: ADMISSION TO GRADUATE LICENSURE PROGRAM  
 IN TEACHER EDUCATION OR PERMISSION OF INSTRUCTOR  
 0187005 1 W 5:10-8:00PM  
 MEETS: AUG 26-DEC 20

SUPVS TUTOR READING EDUC 588 3 CREDITS  
 Prereq: GRADUATE STATUS, TEACHING LICENSE AND  
 CONCURRENT ENROLLMENT IN OR COMPLETION OF ONE COURSE  
 CORRECTIVE READING; DIAGNOSIS AND CORRECTION OF  
 READING PROBLEMS  
 Note: CONCURRENT ENROLLMENT IN 552 REQUIRED  
 9245005 1 TR 5:10-8:30PM  
 ARRANGED  
 MEETS: AUG 26-DEC 20

SPCL TOP CURRICULUM EDUC 590A 1- 3 CREDITS  
 Prereq: 9 GRADUATE CREDITS IN EDUCATION  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

SPL TOP EDUC TECHNO EDUC 590B 1- 3 CREDITS  
 Prereq: 9 GRADUATE CREDITS IN EDUCATION  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

SP TOP SCIENCE EDUC EDUC 590C 1- 3 CREDITS  
 Prereq: 9 GRADUATE CREDITS IN EDUCATION  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

SPL TOPICS SEC EDUC EDUC 590D 1- 3 CREDITS  
 Prereq: 9 GRADUATE CREDITS IN EDUCATION  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

SP TOP SOC&CULTURAL EDUC 590F 1- 3 CREDITS  
 Prereq: 9 GRADUATE CREDITS IN EDUCATION  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

SPL TOPCS MATH EDUC EDUC 590G 1- 3 CREDITS  
 Prereq: 9 GRADUATE CREDITS IN EDUCATION  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

SPCL TOPICS ELEM ED EDUC 590I 1- 3 CREDITS  
 Prereq: 9 GRADUATE CREDITS IN EDUCATION  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

SPL TOP WORLD LANGU EDUC 590J 1- 3 CREDITS  
 Prereq: 9 GRADUATE CREDITS IN EDUCATION  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

SPL TOP EDUC PSYCH EDUC 590K 1- 3 CREDITS  
 Prereq: 9 GRADUATE CREDITS IN EDUCATION  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

SPL TOP SOCIAL STDI EDUC 590L 1- 3 CREDITS  
 Prereq: 9 GRADUATE CREDITS IN EDUCATION  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

SPL TOP LITERACY ED EDUC 590M 1- 3 CREDITS  
 Prereq: 9 GRADUATE CREDITS IN EDUCATION  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

FIELD EXP SECND SCI EDUC 591D 1- 4 CREDITS  
 Prereq: 15 GRADUATE CREDITS IN SPECIALTY AREA;  
 FULL ADMISSION TO TEACHER EDUCATION PROGRAM  
 5058005 1 ARRANGED  
 MEETS: AUG 26-DEC 20  
 Note: SECTION 1 IS OFFERED FOR 1-2 CREDITS.  
 FOR MATH STUDENTS.  
 5058010 2 ARRANGED  
 MEETS: AUG 26-DEC 20  
 Note: SEC 2 - 1-4 CREDITS

EXPERC:SECD MATH ED EDUC 591G 1- 4 CREDITS  
 Prereq: 15 GRADUATE CREDITS IN SPECIALTY AREA;  
 FULL ADMISSION TO TEACHER EDUCATION PROGRAM  
 2017005 1 ARRANGED  
 MEETS: AUG 26-DEC 20  
 Note: SEC 1 OFFERED FOR 2 CREDITS  
 2017010 2 ARRANGED  
 MEETS: AUG 26-DEC 20  
 Note: SEC 2 OFFERED FOR 4 CREDITS

EXPERC:COLLEGE TCHG EDUC 591N 1- 3 CREDITS  
 Prereq: 9 GRADUATE CREDITS  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

EDUCATION (CONTINUED)

SCIENCE EDUC WKSHOP EDUC 593C 1- 3 CREDITS  
 Prereq: 9 GRADUATE CREDITS IN EDUCATION  
 Note: COURSE ONLY OFFERED FOR 1 CREDIT FALL 2019.  
 FOR BETAL GROUP PARTICIPANTS ONLY.  
 2812005 1 ARRANGED  
 MEETS: AUG 26-DEC 20  
 Note: Tuition Category: Workshop  
 2812010 2 ARRANGED  
 MEETS: AUG 26-DEC 20  
 Note: SECTION 2 OFFERED FOR 1 CREDIT

TCHG DISCPN LITERCY EDUC 595 3 CREDITS  
 Prereq: GRADUATE STATUS AND TEACHING LICENSE  
 2932005 1 TR 9:30-10:50  
 MEETS: AUG 26-DEC 20  
 2932010 2 T 5:10-8:00PM  
 MEETS: AUG 26-DEC 20

TEACH SEC SCHL MATH EDUC 597 3 CREDITS  
 Prereq: 15 CREDITS IN COLLEGE MATH; IF IN A  
 TEACHER LICENSURE PROGRAM, CONCURRENT ENROLLMENT  
 IN EDUC 426 OR EDUC 526  
 8440005 1 T 5:10-8:00PM  
 MEETS: AUG 26-DEC 20

CRTV COMP CURRICULM EDUC 599A 1- 3 CREDITS  
 Prereq: 9 GRADUATE CREDITS IN EDUCATION  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

CR CMP EDUC TECHNOL EDUC 599B 1- 3 CREDITS  
 Prereq: 9 GRADUATE CREDITS IN EDUCATION  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

CRT COMP SCIENCE ED EDUC 599C 1- 3 CREDITS  
 Prereq: 9 GRADUATE CREDITS IN EDUCATION  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

CRTV COMP SECNDR ED EDUC 599D 1- 3 CREDITS  
 Prereq: 9 GRADUATE CREDITS IN EDUCATION  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

CR CMP SOC&CULTURAL EDUC 599F 1- 3 CREDITS  
 Prereq: 9 GRADUATE CREDITS IN EDUCATION  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

CRTV COMP MATH EDUC EDUC 599G 1- 3 CREDITS  
 Prereq: 9 GRADUATE CREDITS IN EDUCATION  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

CRTV COMPON ELEM ED EDUC 599I 1- 3 CREDITS  
 Prereq: 9 GRADUATE CREDITS IN EDUCATION  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

CR CMP WRLD LANG ED EDUC 599J 1- 3 CREDITS  
 Prereq: 9 GRADUATE CREDITS IN EDUCATION  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

CRTV COMP EDU PSYCH EDUC 599K 1- 3 CREDITS  
 Prereq: 9 GRADUATE CREDITS IN EDUCATION  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

CRTV COMP LITERC ED EDUC 599M 1- 3 CREDITS  
 Prereq: 9 GRADUATE CREDITS IN EDUCATION  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

ADV SPCL TOP CURRIC EDUC 690A VAR. CREDITS  
 Prereq: 9 GRADUATE CREDITS IN EDUCATION  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

ADV SP TOP EDUC TEC EDUC 690B VAR. CREDITS  
 Prereq: 9 GRADUATE CREDITS IN EDUCATION  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

ADV SPCL TOP SCI ED EDUC 690C VAR. CREDITS  
 Prereq: 9 GRADUATE CREDITS IN EDUCATION  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

ADV SPCL TOP SEC ED EDUC 690D VAR. CREDITS  
 Prereq: 9 GRADUATE CREDITS IN EDUCATION  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

ADV TOP SOC&CULTURL EDUC 690F VAR. CREDITS  
 Prereq: 9 GRADUATE CREDITS IN EDUCATION  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

ADV SPL TOP MATH ED EDUC 690G VAR. CREDITS  
 Prereq: 9 GRADUATE CREDITS IN EDUCATION  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

ADV SPL TP WRL LANG EDUC 690J VAR. CREDITS  
 Prereq: 9 GRADUATE CREDITS IN EDUCATION  
 Note: PERMISSION OF INSTRUCTOR REQUIRED TO ADD.  
 PROCESS APPROVED ADD SLIP IN 10 ENRL SC.  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

EDUCATION (CONTINUED)

ADV SPL TOP ED PSYC EDUC 690K VAR. CREDITS  
 Prereq: 9 GRADUATE CREDITS IN EDUCATION  
 Note: PERMISSION OF INSTRUCTOR REQUIRED TO ADD.  
 PROCESS APPROVED ADD SLIP IN 10 ENRL SC.  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

ADV SPL TOP SOC STU EDUC 690L VAR. CREDITS  
 Prereq: 9 GRADUATE CREDITS IN EDUCATION  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

ADV TOP LITERACY ED EDUC 690M VAR. CREDITS  
 Prereq: 9 GRADUATE CREDITS IN EDUCATION  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

RESEARCH CURRICULUM EDUC 699A VAR. CREDITS  
 Prereq: 9 GRADUATE CREDITS IN EDUCATION  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

RESRCH EDUC TECHNOL EDUC 699B VAR. CREDITS  
 Prereq: 9 GRADUATE CREDITS IN EDUCATION  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

RESRCH SCIENCE EDUC EDUC 699C VAR. CREDITS  
 Prereq: 9 GRADUATE CREDITS IN EDUCATION  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

RESRCH SECNDRY EDUC EDUC 699D VAR. CREDITS  
 Prereq: 9 GRADUATE CREDITS IN EDUCATION  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

RESRCH SOC&CULTURAL EDUC 699F VAR. CREDITS  
 Prereq: 9 GRADUATE CREDITS IN EDUCATION  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

RESEARCH MATH EDUC EDUC 699G VAR. CREDITS  
 Prereq: 9 GRADUATE CREDITS IN EDUCATION  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

RESEARCH ELEM EDUC EDUC 699I VAR. CREDITS  
 Prereq: 9 GRADUATE CREDITS IN EDUCATION  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

RSRCH WRLD LANGU ED EDUC 699J VAR. CREDITS  
 Prereq: 9 GRADUATE CREDITS IN EDUCATION  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

RESRCH EDUC PSYCHOL EDUC 699K VAR. CREDITS  
 Prereq: 9 GRADUATE CREDITS IN EDUCATION  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

RESRCH SOC STUDI ED EDUC 699L VAR. CREDITS  
 Prereq: 9 GRADUATE CREDITS IN EDUCATION  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

RESRCH LITERACY ED EDUC 699M VAR. CREDITS  
 Prereq: 9 GRADUATE CREDITS IN EDUCATION  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

**EDUCATIONAL ADMINISTRATION**

PRIN INCLUSV LDRSHP EDADM 541 3 CREDITS  
 Prereq: TEACHER LICENSURE & INSTRUCTOR PERMISSION  
 3210005 1 ARRANGED  
 MEETS: AUG 26-DEC 20

LEADING SCHL REFORM EDADM 554 3 CREDITS  
 Prereq: EDADM 541  
 7880005 1 ARRANGED  
 MEETS: AUG 26-DEC 20

SPECIAL TOPICS EDADM 590 1- 4 CREDITS  
 Prereq: 9 CREDITS IN EDUCATION  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

FLD EXP ELEM PRINCI EDADM 591A 1- 6 CREDITS  
 Prereq: EDADM 541, ADMISS TO PROGRAM & INSTR'S  
 APPROVAL  
 9422002 AM ARRANGED MICICH A  
 MEETS: AUG 26-DEC 20

FLD EXP SECOND PRIN EDADM 591B 1- 6 CREDITS  
 Prereq: EDADM 541, ADMISS TO PROGRAM & INSTR'S  
 APPROVAL  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

CREATV COMPON DEVEL EDADM 599 1- 3 CREDITS  
 Prereq: 9 CREDITS IN EDUCATIONAL ADMINISTRATION  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

ETHC,SPIRIT PRACTCE EDADM 651 3 CREDITS  
 9718005 1 M 5:30-8:30PM  
 MEETS: AUG 26-DEC 20

ADV SPECIAL TOPICS EDADM 690 1- 3 CREDITS  
 Prereq: 9 CREDITS IN EDUCATIONAL ADMINISTRATION  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS



EDUCATIONAL ADMINISTRATION (CONTINUED)

CLINCL DILEMM PRCTC EDADM 691 1- 3 CREDITS  
 Prereq: EDADM 541, ADMISSION TO PROGRAM, INSTR APPROVAL  
 Satisfactory-Fail Only.  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

DISSERTATN RESEARCH EDADM 699 VAR. CREDITS  
 Prereq: 9 CREDITS IN EDUCATION  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

**EDUCATIONAL LEADERSHIP & POLICY ST**

SOC JUSTC FIELD EXP EL PS 591 1- 3 CREDITS  
 Prereq: EL PS 620  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

CAPSTONE EXPERIENCE EL PS 616 3 CREDITS  
 Prereq: 4 CREDITS OF EL PS 615  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

EDUC FOR SOC JUSTCE EL PS 620 3 CREDITS  
 8898005 1 T 5:10-8:00PM  
 MEETS: AUG 26-DEC 20

PEDAGOGI OF DISSENT EL PS 621 3 CREDITS  
 Prereq: EL PS 620  
 8899005 1 T 5:10-8:00PM  
 MEETS: AUG 26-DEC 20

**ELECTRICAL ENGINEERING**

PRO PROG ORIENTATN E E 166 R CREDIT  
 Note: COURSE RESTRICTED TO E E, CPR E MAJORS ONLY  
 2887005 1 T 1:10-2:00  
 MEETS: OCT 21-DEC 20

INTR EE&PROB SOLV I E E 185 3 CREDITS  
 Prereq: MATH 143 OR SATISFACTORY SCORES ON MATHEMATICS PLACEMENT EXAMINATIONS; CREDIT OR ENROLLMENT IN MATH 165  
 Note: COURSE RESTRICTED TO E E MAJORS ONLY. CREDIT IN ONLY ONE OF THE FOLLOWING COURSES MAY BE APPLIED TOWARD GRADUATION: CPR E 185, E E 185, S E 185, M E 160, ENGR 160, AER E 160, C E 160, A B E 160, I E 148.

3880005 1 MW 10:00-10:50  
 M 2:10-4:00  
 MEETS: AUG 26-DEC 20  
 3880010 2 MW 10:00-10:50  
 R 8:00-9:50  
 MEETS: AUG 26-DEC 20  
 3880015 3 MW 10:00-10:50  
 R 10:00-11:50  
 MEETS: AUG 26-DEC 20  
 3880020 4 MW 10:00-10:50  
 R 12:10-2:00  
 MEETS: AUG 26-DEC 20  
 3880025 5 MW 10:00-10:50  
 M 4:10-6:00PM  
 MEETS: AUG 26-DEC 20

ELECTRIC CIRCUITS E E 201 4 CREDITS  
 Prereq: CR OR ENROLLMENT IN MATH 267 AND PHYS 222  
 Note: CREDIT FOR EITHER E E 201 OR E E 442, BUT NOT BOTH, MAY BE APPLIED TOWARD GRADUATION. RESTRICTED TO CPR E, E E MAJORS ONLY.  
 2120005 1 MWF 10:00-10:50  
 T 11:00-2:00  
 MEETS: AUG 26-DEC 20  
 2120010 2 MWF 10:00-10:50  
 T 2:10-5:00  
 MEETS: AUG 26-DEC 20  
 2120015 3 MWF 10:00-10:50  
 W 2:10-5:00  
 MEETS: AUG 26-DEC 20  
 2120020 4 MWF 10:00-10:50  
 W 5:10-8:00PM  
 MEETS: AUG 26-DEC 20  
 2120025 5 MWF 2:10-3:00  
 R 11:00-1:50  
 MEETS: AUG 26-DEC 20  
 2120030 6 MWF 2:10-3:00  
 R 2:10-5:00  
 MEETS: AUG 26-DEC 20  
 2120035 7 MWF 2:10-3:00  
 R 5:10-8:00PM  
 MEETS: AUG 26-DEC 20  
 2120040 8 MWF 2:10-3:00  
 F 11:00-1:50  
 MEETS: AUG 26-DEC 20  
 2120045 9 MWF 10:00-10:50  
 T 2:10-5:00  
 MEETS: AUG 26-DEC 20

ELECTRICAL ENGINEERING (CONTINUED)

SIGNALS & SYSTEMS I E E 224 4 CREDITS  
 Prereq: E E 201, MATH 267, PHYS 222  
 5064005 1 TR 4:10-5:30  
 W 4:10-7:00PM  
 MEETS: AUG 26-DEC 20  
 5064010 2 TR 4:10-5:30  
 T 10:00-12:50  
 MEETS: AUG 26-DEC 20  
 5064015 3 TR 4:10-5:30  
 R 1:10-4:00  
 MEETS: AUG 26-DEC 20  
 5064020 4 TR 4:10-5:30  
 T 1:10-4:00  
 MEETS: AUG 26-DEC 20

ELECTRON CIRCTS&SYS E E 230 4 CREDITS  
 Prereq: E E 201, MATH 267, PHYS 222  
 4639005 1 MWF 8:00-8:50  
 M 9:00-11:50  
 MEETS: AUG 26-DEC 20  
 4639010 2 MWF 8:00-8:50  
 T 5:10-8:00PM  
 MEETS: AUG 26-DEC 20  
 4639015 3 MWF 8:00-8:50  
 R 8:00-10:50  
 MEETS: AUG 26-DEC 20  
 4639020 4 MWF 8:00-8:50  
 W 11:00-1:50  
 MEETS: AUG 26-DEC 20  
 4639025 5 MWF 8:00-8:50  
 T 8:00-10:50  
 MEETS: AUG 26-DEC 20  
 4639030 6 MWF 8:00-8:50  
 T 11:00-1:50  
 MEETS: AUG 26-DEC 20

TRANSFER ORIENTATIO E E 261 R CREDIT  
 Satisfactory-Fail Only.  
 9197005 1 W 11:00-11:50  
 MEETS: AUG 26-DEC 20  
 9197010 2 T 11:00-11:50  
 MEETS: AUG 26-DEC 20

PROB SOLV MTHD&TOOL E E 285 4 CREDITS  
 2505005 1 MWF 12:10-1:00  
 T 8:00-9:50  
 MEETS: AUG 26-DEC 20  
 2505010 2 MWF 12:10-1:00  
 W 1:10-3:00  
 MEETS: AUG 26-DEC 20  
 2505015 3 MWF 12:10-1:00  
 R 4:10-6:00PM  
 MEETS: AUG 26-DEC 20  
 2505020 4 MWF 12:10-1:00  
 F 9:00-10:50  
 MEETS: AUG 26-DEC 20

PROGRAM DISCOVERY E E 294 R CREDIT  
 Prereq: E E 166 OR CPR E 166  
 Note: SEC A1,B1 ETC RESTRICTED TO CPR E. SEC A2,B2 ETC RESTRICTED TO E E.  
 Satisfactory-Fail Only.  
 5380005 A1 M 1:10-2:00  
 MEETS: AUG 26-OCT 18  
 5380010 A2 M 1:10-2:00  
 MEETS: AUG 26-OCT 18  
 5380015 A3 M 1:10-2:00  
 MEETS: AUG 26-OCT 18  
 5380020 B1 F 3:10-4:00  
 MEETS: AUG 26-OCT 18  
 5380025 B2 F 3:10-4:00  
 MEETS: AUG 26-OCT 18  
 5380030 B3 F 3:10-4:00  
 MEETS: AUG 26-OCT 18

ENRGY SYS&PWR ELTRN E E 303 3 CREDITS  
 Prereq: MATH 267, PHYS 222; CREDIT OR ENROLLMENT IN E E 230  
 3415005 1 TR 8:00-9:15  
 MEETS: AUG 26-DEC 20

ELECTROMG FLD&WAVES E E 311 4 CREDITS  
 Prereq: E E 201, MATH 265, PHYS 222, CREDIT OR ENROLLMENT IN MATH 267  
 2889005 1 MWRF 10:00-10:50  
 MEETS: AUG 26-DEC 20

ELECTMAG NON-EL ENG E E 314 3 CREDITS  
 Prereq: PHYS 222, E E 112, OR EQUIVALENT  
 8652005 1 MW 3:10-4:30  
 MEETS: AUG 26-DEC 20

COMMUNIC SYSTEMS I E E 321 3 CREDITS  
 Prereq: E E 224  
 2901005 1 MW 5:10-6:30PM  
 MEETS: AUG 26-DEC 20

ELECTRICAL ENGINEERING (CONTINUED)

ELECTRICAL ENGINEERING (CONTINUED)

PROBAB MTH,ELEC ENG E E 322 3 CREDITS  
 Prereq: E E 224  
 3424005 1 TR 11:00-12:15  
 MEETS: AUG 26-DEC 20

SIGNALS &SYSTEMS II E E 324 4 CREDITS  
 Prereq: E E 224  
 2192005 1 MWF 2:10-3:00  
 T 4:10-7:00PM  
 MEETS: AUG 26-DEC 20  
 2192010 2 MWF 2:10-3:00  
 W 8:00-10:50  
 MEETS: AUG 26-DEC 20  
 2192015 3 MWF 2:10-3:00  
 R 6:10-9:00PM  
 MEETS: AUG 26-DEC 20  
 2192020 4 MWF 2:10-3:00  
 M 6:10-9:00PM  
 MEETS: AUG 26-DEC 20

INTGRATED ELECTRNCS E E 330 4 CREDITS  
 Prereq: E E 201, CREDIT OR REGISTRATION IN E E  
 230, CPR E 281  
 Note: CREDIT FOR EITHER CPR E/E E 330 OR E E 331,  
 BUT NOT BOTH, MAY BE APPLIED TOWARD GRADUATION  
 5635005 1 MWF 12:10-1:00  
 T 8:00-10:50  
 MEETS: AUG 26-DEC 20  
 5635010 2 MWF 12:10-1:00  
 T 11:00-1:50  
 MEETS: AUG 26-DEC 20  
 5635015 3 MWF 12:10-1:00  
 W 5:10-8:00PM  
 MEETS: AUG 26-DEC 20  
 5635020 4 MWF 12:10-1:00  
 F 8:00-10:50  
 MEETS: AUG 26-DEC 20  
 5635025 5 MWF 12:10-1:00  
 R 8:00-10:50  
 MEETS: AUG 26-DEC 20

SEMICND MTRLS&DEVIC E E 332 3 CREDITS  
 Prereq: PHYS 222; ADDITIONAL PREREQ FOR MAT E  
 MAJORS: MAT E 317; ADDITIONAL PREREQ FOR E E AND  
 CPR E MAJORS: E E 230  
 2195005 1 TR 12:40-2:00  
 MEETS: AUG 26-DEC 20

ELECTRONC SYS DSIGN E E 333 4 CREDITS  
 Prereq: E E 230, CREDIT OR ENROLLMNT IN CPR E 288  
 8288005 1 MWF 11:00-11:50  
 R 2:10-5:00  
 MEETS: AUG 26-DEC 20  
 8288010 2 MWF 11:00-11:50  
 F 12:10-3:00  
 MEETS: AUG 26-DEC 20

SUSTNBL E&INT'L DEV E E 388 3 CREDITS  
 Prereq: JUNIOR CLASSIFICATION IN ENGINEERING  
 Note: COURSE RESTRICTED TO COLLEGE OF ENGINEERING  
 JUNIORS AND SENIORS  
 Meets international perspectives reqmt  
 8121005 1 MW 3:10-4:00  
 T 4:10-6:00PM  
 MEETS: AUG 26-DEC 20

OPEN LAB&DSIGN STDO E E 391 2 CREDITS  
 Prereq: E E 224  
 9639005 1 MW 1:10-3:00  
 MEETS: AUG 26-DEC 20

PROGRAM EXPLORATION E E 394 R CREDIT  
 Prereq: E E 294 OR CPR E 294  
 Note: SEC A1,B1 ETC RESTRICTED TO CPR E. SEC A2,B2 ETC  
 RESTRICTED TO E E.  
 Satisfactory-Fail Only.  
 5403005 A1 M 1:10-2:00  
 MEETS: OCT 21-DEC 20  
 5403010 A2 M 1:10-2:00  
 MEETS: OCT 21-DEC 20  
 5403015 A3 M 1:10-2:00  
 MEETS: OCT 21-DEC 20  
 5403020 B1 F 3:10-4:00  
 MEETS: OCT 21-DEC 20  
 5403025 B2 F 3:10-4:00  
 MEETS: OCT 21-DEC 20  
 5403030 B3 F 3:10-4:00  
 MEETS: OCT 21-DEC 20

COOPERATIVE EDUC E E 398 R CREDIT  
 Prereq: PERMISSION OF DEPARTMENT AND ENGINEERING  
 CAREER SERVICES  
 Satisfactory-Fail Only.  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

MICROWAVE ENGINEERG E E 414 4 CREDITS  
 Prereq: E E 230, E E 311  
 2897005 1 MWF 8:00-8:50  
 R 8:00-10:50  
 MEETS: AUG 26-DEC 20  
 2897010 2 MWF 8:00-8:50  
 F 11:00-1:50  
 MEETS: AUG 26-DEC 20

MAGNETSM&MGN MATRLS E E 419 3 CREDITS  
 9798005 1 MWF 2:10-3:00  
 MEETS: AUG 26-DEC 20

MICROELEC FABRICATN E E 432 4 CREDITS  
 Prereq: CREDIT OR ENROLLMENT IN E E 332  
 9222005 1 MW 12:10-1:00  
 ARRANGED  
 MEETS: AUG 26-DEC 20

INTR CIRCUIT&INSTRM E E 442 2 CREDITS  
 Prereq: PHYS 222, MATH 267  
 Note: CREDIT FOR EITHER E E 201 OR E E 442, BUT NOT  
 BOTH, MAY BE APPLIED TOWARD GRADUATION. CREDIT FOR  
 E E 442 MAY NOT BE APPLIED TOWARD A DEGREE IN E E  
 OR CPR E. RESTRICTED TO MAJORS OTHER THAN E E, CPR E,  
 E CPE.  
 4723005 1 MWF 4:10-5:00  
 M 8:00-9:50  
 MEETS: AUG 26-OCT 18  
 4723010 2 MWF 4:10-5:00  
 M 5:10-7:00PM  
 MEETS: AUG 26-OCT 18  
 4723015 3 MWF 4:10-5:00  
 F 2:10-4:00  
 MEETS: AUG 26-OCT 18  
 4723020 4 MWF 4:10-5:00  
 F 8:00-9:50  
 MEETS: AUG 26-OCT 18  
 4723025 5 MWF 4:10-5:00  
 R 3:10-5:00  
 MEETS: AUG 26-OCT 18  
 4723030 6 MWF 4:10-5:00  
 F 12:10-2:00  
 MEETS: AUG 26-OCT 18  
 4723035 7 MWF 4:10-5:00  
 F 10:00-11:50  
 MEETS: AUG 26-OCT 18  
 4723040 8 MWF 4:10-5:00  
 M 12:10-2:00  
 MEETS: AUG 26-OCT 18  
 4723045 9 MWF 4:10-5:00  
 M 7:10-9:00PM  
 MEETS: AUG 26-OCT 18  
 4723050 10 MWF 4:10-5:00  
 R 7:10-9:00PM  
 MEETS: AUG 26-OCT 18  
 4723055 11 MWF 4:10-5:00  
 M 10:00-11:50  
 MEETS: AUG 26-OCT 18  
 4723060 12 MWF 4:10-5:00  
 W 8:00-9:50  
 MEETS: AUG 26-OCT 18  
 4723070 13 MWF 4:10-5:00  
 M 2:10-4:00  
 MEETS: AUG 26-OCT 18  
 4723075 14 MWF 4:10-5:00  
 T 3:10-5:00  
 MEETS: AUG 26-OCT 18  
 4723080 15 MWF 4:10-5:00  
 W 5:10-7:00PM  
 MEETS: AUG 26-OCT 18  
 4723090 16 MWF 4:10-5:00  
 T 1:10-3:00  
 MEETS: AUG 26-OCT 18  
 4723095 17 MWF 4:10-5:00  
 W 10:00-11:50  
 MEETS: AUG 26-OCT 18  
 4723100 18 MWF 4:10-5:00  
 T 10:00-11:50  
 MEETS: AUG 26-OCT 18  
 4723105 19 MWF 4:10-5:00  
 R 8:00-9:50  
 MEETS: AUG 26-OCT 18  
 4723110 20 MWF 4:10-5:00  
 R 10:00-11:50  
 MEETS: AUG 26-OCT 18  
 4723115 21 MWF 4:10-5:00  
 W 12:10-2:00  
 MEETS: AUG 26-OCT 18

INTRO AC CIRC&MOTOR E E 448 2 CREDITS  
 Prereq: E E 442  
 Note: CREDIT FOR E E 448 MAY NOT BE APPLIED TOWARD A  
 DEGREE IN EITHER E E OR CPR E. COURSE RESTRICTED TO  
 MAJORS OTHER THAN E E, CPR E, E CPE.  
 4775005 1 MWF 4:10-5:00  
 M 8:00-9:50  
 MEETS: OCT 21-DEC 20  
 4775010 2 MWF 4:10-5:00  
 M 5:10-7:00PM  
 MEETS: OCT 21-DEC 20  
 4775015 3 MWF 4:10-5:00  
 F 2:10-4:00  
 MEETS: OCT 21-DEC 20

## ELECTRICAL ENGINEERING (CONTINUED)

INTRO AC CIRC&MOTOR E E 448 2 CREDITS  
 4775020 4 MWF 4:10-5:00  
 F 8:00-9:50  
 MEETS: OCT 21-DEC 20

4775025 5 MWF 4:10-5:00  
 R 3:10-5:00  
 MEETS: OCT 21-DEC 20

4775030 6 MWF 4:10-5:00  
 F 12:10-2:00  
 MEETS: OCT 21-DEC 20

4775035 7 MWF 4:10-5:00  
 F 10:00-11:50  
 MEETS: OCT 21-DEC 20

4775040 8 MWF 4:10-5:00  
 M 12:10-2:00  
 MEETS: OCT 21-DEC 20

4775045 9 MWF 4:10-5:00  
 M 7:10-9:00PM  
 MEETS: OCT 21-DEC 20

4775050 10 MWF 4:10-5:00  
 R 7:10-9:00PM  
 MEETS: OCT 21-DEC 20

4775055 11 MWF 4:10-5:00  
 M 10:00-11:50  
 MEETS: OCT 21-DEC 20

4775060 12 MWF 4:10-5:00  
 W 8:00-9:50  
 MEETS: OCT 21-DEC 20

4775075 13 MWF 4:10-5:00  
 M 2:10-4:00  
 MEETS: OCT 21-DEC 20

4775080 14 MWF 4:10-5:00  
 T 3:10-5:00  
 MEETS: OCT 21-DEC 20

4775085 15 MWF 4:10-5:00  
 W 5:10-7:00PM  
 MEETS: OCT 21-DEC 20

4775090 16 MWF 4:10-5:00  
 T 1:10-3:00  
 MEETS: OCT 21-DEC 20

4775095 17 MWF 4:10-5:00  
 W 10:00-11:50  
 MEETS: OCT 21-DEC 20

4775100 18 MWF 4:10-5:00  
 R 1:10-3:00  
 MEETS: OCT 21-DEC 20

4775105 19 MWF 4:10-5:00  
 R 8:00-9:50  
 MEETS: OCT 21-DEC 20

4775110 20 MWF 4:10-5:00  
 R 10:00-11:50  
 MEETS: OCT 21-DEC 20

INTRO ENRG DIST SYS E E 455 3 CREDITS  
 Prereq: E E 303, CREDIT OR REGISTRATN IN E E 324  
 6595005 1 TR 11:00-12:20  
 MEETS: AUG 26-DEC 20

POWER SYST ANALYS I E E 456 3 CREDITS  
 Prereq: E E 303, CREDIT OR REGISTRATN IN E E 324  
 2912005 1 TR 5:30-7:00PM  
 MEETS: AUG 26-DEC 20

ECON SYS ELEC POWER E E 458 3 CREDITS  
 Prereq: E E 303 OR ECON 301  
 5744005 1 MT 4:10-5:30  
 MEETS: AUG 26-DEC 20

DIGITAL VLSI DESIGN E E 465 4 CREDITS  
 Prereq: E E 330  
 8892005 1 TR 9:30-10:50  
 T 5:10-8:00PM  
 MEETS: AUG 26-DEC 20

8892010 2 TR 9:30-10:50  
 W 2:10-5:00  
 MEETS: AUG 26-DEC 20

8892015 3 TR 9:30-10:50  
 F 11:00-1:50  
 MEETS: AUG 26-DEC 20

8892020 4 TR 9:30-10:50  
 W 11:00-1:50  
 MEETS: AUG 26-DEC 20

MULTIDISC ENGR DSGN E E 466 3 CREDITS  
 Prereq: COURSE TO BE TAKEN WITHIN 2 SEMESTERS OF  
 GRADUATION, PERMISSION OF INSTRUCTOR  
 1900005 1 MWF 3:10-5:00  
 MEETS: AUG 26-DEC 20

AUTOMATC CONTRL SYS E E 475 3 CREDITS  
 Prereq: E E 324  
 2914005 1 MWF 11:00-11:50  
 MEETS: AUG 26-DEC 20

SURV REMOTE SNS TEC E E 489 3 CREDITS  
 Prereq: FOUR COURSES IN PHYSICAL OR BIOLOGICAL  
 SCIENCES OR ENGINEERING  
 Note: THE ARRANGED TIME REPRESENTS WWW LECTURE DELIVERY  
 9753005 1 MW 10:00-10:50  
 ARRANGED  
 MEETS: AUG 26-DEC 20

## ELECTRICAL ENGINEERING (CONTINUED)

SATELL RMT SENS LAB E E 489L 1 CREDIT  
 Prereq: CREDIT OR ENROLLMENT IN MTEOR 489  
 OR MTEOR 589 OR GEOL 489 OR GEOL 589 OR NREM 489  
 OR NREM 589 OR E E 489 OR E E 589  
 5436005 1 T 9:00-11:50  
 MEETS: AUG 26-DEC 20

INDEPENDENT STUDY E E 490 VAR. CREDITS  
 Prereq: SENIOR CLASSIFICATION IN ELECTRICAL ENGR  
 Note: Instructor permission required 1st week.  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

INDEP STUDY HONORS E E 490H VAR. CREDITS  
 Prereq: SENIOR CLASSIFICATION IN ELECTRICAL ENGR  
 MEMBERSHIP IN UNIV HONORS PROGRAM  
 Note: COURSE RESTRICTED TO STUDENTS IN THE UNIVERSITY  
 HONORS PROGRAM ONLY  
 Instructor permission required 1st week.  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

SR DESGN PROJ I&PRO E E 491 3 CREDITS  
 Prereq: CPR E 308 OR E E 322, COMPLETION OF 24  
 CREDITS IN THE E E CORE PROFESSIONAL PROGRAM OR 29  
 CREDITS IN THE CPR E CORE PROFESSIONAL PROGRAM, ENGL  
 314  
 Note: COURSE RESTRICTED TO CPR E, E E JUNIORS & SENIORS  
 Instructor permission required 1st week.  
 7230005 1 T 2:10-4:00, ARRANGED  
 MEETS: AUG 26-DEC 20

SR DESIGN PROJECT II E E 492 2 CREDITS  
 Prereq: E E 491  
 Note: COURSE RESTRICTED TO CPR E, E E JUNIORS & SENIORS  
 9515005 1 R 2:10-3:00, ARRANGED  
 MEETS: AUG 26-DEC 20

PORTFOLIO ASSESSMNT E E 494 R CREDIT  
 Prereq: CPR E/E E 394, CREDIT OR ENROLLMENT IN  
 CPR E/E E 491  
 Note: COURSE RESTRICTED TO CPR E, E E SENIORS ONLY  
 7347005 1 W 2:10-3:00  
 MEETS: AUG 26-DEC 20

7347010 2 R 3:10-4:00  
 MEETS: AUG 26-DEC 20

7347015 3 W 3:10-4:00  
 MEETS: AUG 26-DEC 20

7347020 4 R 2:10-3:00  
 MEETS: AUG 26-DEC 20

AN&MIXSIG VLSI TCNQ E E 501 4 CREDITS  
 Prereq: E E 435  
 5328005 1 MW 2:10-3:30  
 R 5:10-8:00PM  
 MEETS: AUG 26-DEC 20

5328010 2 MW 2:10-3:30  
 R 2:10-5:00  
 MEETS: AUG 26-DEC 20

FILTER DESIGN &APPL E E 508 4 CREDITS  
 Prereq: E E 501  
 1136005 1 MWF 10:00-10:50  
 T 2:10-5:00  
 MEETS: AUG 26-DEC 20

MICROWAVE ENGINEERG E E 514 4 CREDITS  
 Prereq: E E 230, E E 311  
 4791005 1 MWF 8:00-8:50  
 R 8:00-10:50  
 MEETS: AUG 26-DEC 20

4791010 2 MWF 8:00-8:50  
 F 11:00-1:50  
 MEETS: AUG 26-DEC 20

MAGNETISM&MGN MATRLS E E 519 3 CREDITS  
 Prereq: E E 311 OR MAT E 317 OR PHYS 364  
 6250005 1 MWF 2:10-3:00  
 MEETS: AUG 26-DEC 20

DIG SIGNAL PROCESS E E 524 3 CREDITS  
 Prereq: E E 322, E E 424, MATH 317  
 2939005 1 MWF 10:00-10:50  
 MEETS: AUG 26-DEC 20

MICROEL FABRIC TCHQ E E 532 4 CREDITS  
 Prereq: PHYS 222, MATH 265. E E 332 OR MAT E 331  
 RECOMMENDED  
 8880005 1 MW 12:10-1:00  
 ARRANGED  
 MEETS: AUG 26-DEC 20

SEMICONDUCTR PHYSICS E E 535 4 CREDITS  
 Prereq: E E 311 AND E E 332  
 2941005 1 MT 6:10-7:30PM  
 ARRANGED  
 MEETS: AUG 26-DEC 20

## ELECTRICAL ENGINEERING (CONTINUED)

INTRO CONVEX OPTIMZ E E 571 3 CREDITS  
2594005 1 MWF 2:10-3:00  
MEETS: AUG 26-DEC 20

RANDOM SIGNAL&KALMN E E 573 3 CREDITS  
Prereq: E E 324 OR AER E 331 OR M E 370 OR M E  
411 OR MATH 341 OR MATH 395  
8185005 1 MWF 12:10-1:00 SHERMAN P  
MEETS: AUG 26-DEC 20

LINEAR SYSTEMS E E 577 3 CREDITS  
Prereq: E E 324 OR AER E 331 OR MATH 415; AND  
MATH 207  
2954005 1 TR 2:10-3:30  
MEETS: AUG 26-DEC 20

SURV REMOTE SNS TEC E E 589 3 CREDITS  
Prereq: FOUR COURSES IN PHYSICAL OR BIOLOGICAL  
SCIENCES OR ENGINEERING  
Note: THE ARRANGED TIME REPRESENTS WWW LECTURE DELIVERY  
9758005 1 MW 10:00-10:50  
ARRANGED  
MEETS: AUG 26-DEC 20

SATELL RMT SENS LAB E E 589L 1 CREDIT  
Prereq: CREDIT OR ENROLLMENT IN MTEOR 489  
OR MTEOR 589 OR GEOL 489 OR GEOL 589 OR NREM 489  
OR NREM 589 OR E E 489 OR E E 589  
3759005 1 T 9:00-11:50  
MEETS: AUG 26-DEC 20

SPL TOP ELECMAG THY E E 590A 1- 6 CREDITS  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

SPL TOP CONTROL SYS E E 590B 1- 6 CREDITS  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

SPL TOP COMMUN SYS E E 590C 1- 6 CREDITS  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

SPL TOP COMPTR ENGR E E 590E 1- 6 CREDITS  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

SPL TOP ELECTRC PWR E E 590F 1- 6 CREDITS  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

SPL TOP ELEC MATRLS E E 590G 1- 6 CREDITS  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

SP TOP EL DEVIC&CIR E E 590H 1- 6 CREDITS  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

SPL TOP SIGNL PROCS E E 590I 1- 6 CREDITS  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

SEMINAR ELECTRONICS E E 591 1- 3 CREDITS  
Note: COURSE ONLY OFFERED FOR 1 CREDIT FALL 2019  
1920005 VD ARRANGED  
MEETS: AUG 26-DEC 20  
Note: Instructor permission required.

SEMN ELECTRIC POWER E E 594 1- 3 CREDITS  
Note: COURSE ONLY OFFERED FOR 1 CREDIT FALL 2019  
2964005 1 T 12:40-2:00  
MEETS: AUG 26-DEC 20

SEMN CONTROL SYSTEMS E E 596 1- 3 CREDITS  
Note: COURSE ONLY OFFERED FOR 1 CREDIT FALL 2019  
2973005 1 ARRANGED  
MEETS: AUG 26-DEC 20

SEM COMM&SIGNL PROC E E 597 1 CREDIT  
Satisfactory-Fail Only.  
7542005 1 ARRANGED  
MEETS: AUG 26-DEC 20

LEARNG COMMUNITY SEMN E E 598 R CREDIT  
Prereq: CLASSIFICATION AS AN E CPE MAJOR  
Satisfactory-Fail Only.  
9875005 1 F 4:10-5:30  
MEETS: AUG 26-DEC 20

CREATIVE COMPONENT E E 599 VAR. CREDITS  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

ADV TOP ELE PWR SYS E E 653 3 CREDITS  
Prereq: PERMISSION OF INSTRUCTOR  
2981005 1 TR 11:00-12:20  
MEETS: AUG 26-DEC 20

ENGINEERG INTERNSHP E E 697 R CREDIT  
Note: PERMISSN OF MANAGER OF E E STUDENT SERVICES REQ'D  
Satisfactory-Fail Only.  
5716005 1 ARRANGED  
MEETS: AUG 26-DEC 20  
Note: Department permission required.

## ELECTRICAL ENGINEERING (CONTINUED)

RESEARCH E E 699 VAR. CREDITS  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

ENGINEERING ORIENTN ENGR 101 R CREDIT  
Satisfactory-Fail Only.

3788005 1 F 9:00-9:50  
MEETS: AUG 26-DEC 20  
Note: SEC 1 RESTRICTED TO AER E MAJORS ONLY

3788010 2 F 11:00-11:50  
MEETS: AUG 26-DEC 20  
Note: SEC 2 RESTRICTED TO AER E MAJORS ONLY

3788015 3 F 1:10-2:00  
MEETS: AUG 26-DEC 20  
Note: SEC 3 RESTRICTED TO AER E MAJORS ONLY

3788020 4 F 10:00-10:50  
S 9:00-2:00  
MEETS: AUG 26-OCT 18  
Note: THE ONLY SATURDAY MEETING IS SEPT 7.

3788025 5 F 11:00-11:50  
S 9:00-2:00  
MEETS: AUG 26-OCT 18  
Note: THE ONLY SATURDAY MEETING IS SEPT 7.

3788030 6 T 11:00-11:50  
SEC 5 RESTRICTED TO A E, BSE MAJORS ONLY.  
MEETS: AUG 26-DEC 20  
Note: SEC 6 RESTRICTED TO C E MAJORS ONLY

3788035 7 R 4:10-5:00  
MEETS: AUG 26-DEC 20  
Note: SEC 7 RESTRICTED TO CON E MAJORS ONLY

3788040 8 W 9:00-9:50  
MEETS: AUG 26-DEC 20  
Note: SEC 8 RESTRICTED TO E E, CPR E, CYB E, MAJORS

3788045 9 W 3:10-4:00  
MEETS: AUG 26-DEC 20  
Note: SEC 9 RESTRICTED TO E E, CPR E, CYB E, MAJORS

3788050 10 T 9:00-9:50  
MEETS: AUG 26-DEC 20  
Note: SEC 10 RESTRICTED TO E E, CPR E, CYB E, MAJORS

3788055 11 T 10:00-10:50  
MEETS: AUG 26-DEC 20  
Note: SEC 11 RESTRICTED TO E E, CPR E, CYB E, MAJORS

3788060 12 W 10:00-10:50  
MEETS: AUG 26-DEC 20  
Note: SEC 12 RESTRICTED TO E E, CPR E, CYB E, MAJORS

3788065 13 R 9:00-9:50  
MEETS: AUG 26-DEC 20  
Note: SEC 13 RESTRICTED TO E E, CPR E, CYB E, MAJORS

3788070 14 R 10:00-10:50  
MEETS: AUG 26-DEC 20  
Note: SEC 14 RESTRICTED TO CPR E, E E MAJORS ONLY

3788075 15 MW 3:10-4:00  
MEETS: AUG 26-DEC 20  
Note: SEC 15 RESTRICTED TO I E MAJORS ONLY

3788080 16 MW 3:10-4:00  
MEETS: AUG 26-DEC 20  
Note: SEC 16 IS FOR I E TRANSFER STUDENTS ONLY.  
RESTRICTED TO I E SOPHOMORES, JUNIORS AND SENIORS -  
OTHERS BY SIGNATURE.

3788085 17 R 1:10-2:00  
MEETS: AUG 26-DEC 20  
Note: SEC 17 RESTRICTED TO MAT E MAJORS ONLY

3788090 18 R 2:10-3:00  
MEETS: AUG 26-DEC 20  
Note: SEC 18 RESTRICTED TO ENGR, OPEN, GENUS MAJORS

3788095 19 W 3:10-4:00  
MEETS: AUG 26-DEC 20  
Note: SEC 19 RESTRICTED TO ENGR, OPEN, GENUS MAJORS

3788100 20 T 3:40-4:30  
MEETS: AUG 26-DEC 20  
Note: SEC 20 RESTRICTED TO ENGR, OPEN, GENUS MAJORS

3788105 21 T 4:10-5:00  
MEETS: AUG 26-DEC 20  
Note: SEC 21 RESTRICTED TO M E MAJORS ONLY

3788110 22 W 8:00-8:50  
MEETS: AUG 26-DEC 20  
Note: SEC 22 RESTRICTED TO M E MAJORS ONLY

3788115 23 T 8:00-8:50  
MEETS: AUG 26-DEC 20  
Note: SEC 23 RESTRICTED TO M E MAJORS ONLY

3788120 24 W 4:10-5:00  
MEETS: AUG 26-DEC 20  
Note: SEC 24 RESTRICTED TO M E MAJORS ONLY

3788125 25 F 9:00-9:50  
MEETS: AUG 26-DEC 20  
Note: SEC 25 RESTRICTED TO AER E MAJORS ONLY

3788135 26 F 9:00-9:50  
MEETS: AUG 26-DEC 20  
Note: SEC 26 RESTRICTED TO AER E MAJORS ONLY

3788140 27 F 11:00-11:50  
MEETS: AUG 26-DEC 20  
Note: SEC 27 RESTRICTED TO AER E MAJORS ONLY

3788145 28 F 11:00-11:50  
MEETS: AUG 26-DEC 20  
Note: SEC 28 RESTRICTED TO AER E MAJORS ONLY

3788150 29 F 1:10-2:00  
MEETS: AUG 26-DEC 20  
Note: SEC 29 RESTRICTED TO AER E MAJORS ONLY

3788155 30 T 11:00-11:50  
MEETS: AUG 26-DEC 20  
Note: SEC 30 RESTRICTED TO M E MAJORS ONLY

3788160 31 R 11:00-11:50  
MEETS: AUG 26-DEC 20

## ENGINEERING

(CONTINUED)

ENGINEERING ORIENTN ENGR 101 R CREDIT  
 Note: SEC 39 RESTRICTED TO M E MAJORS ONLY  
 3788165 32 F 8:00-8:50  
 MEETS: AUG 26-DEC 20  
 Note: SEC 32 RESTRICTED TO M E MAJORS ONLY  
 3788170 33 W 2:10-3:00  
 MEETS: AUG 26-OCT 18  
 Note: SEC 33 RESTRICTED TO CH E MAJORS ONLY  
 3788175 34 M 2:10-3:00  
 MEETS: AUG 26-DEC 20  
 Note: SEC 34 RESTRICTED TO CH E MAJORS ONLY  
 3788180 35 F 2:10-3:00  
 MEETS: AUG 26-OCT 18  
 Note: SEC 35 RESTRICTED TO CH E MAJORS ONLY  
 3788185 36 W 8:00-8:50  
 MEETS: AUG 26-DEC 20  
 Note: SEC 36 FOR M E TRANSFER STUDENTS ONLY  
 3788190 37 W 3:10-4:00  
 MEETS: AUG 26-DEC 20  
 Note: SEC 37 FOR M E TRANSFER STUDENTS ONLY  
 3788195 38 M 3:10-4:00  
 MEETS: AUG 26-DEC 20  
 Note: SEC 38 RESTRICTED TO C E MAJORS ONLY  
 3788200 39 W 1:10-2:00  
 MEETS: AUG 26-DEC 20  
 Note: SEC 39 RESTRICTED TO C E MAJORS ONLY  
 3788205 40 T 10:00-10:50  
 MEETS: AUG 26-DEC 20  
 Note: SEC 40 RESTRICTED TO C E MAJORS ONLY

LEAD PROGRM ORIENTN ENGR 104 1 CREDIT  
 Satisfactory-Fail Only.  
 6594005 1 F 2:10-3:00  
 MEETS: AUG 26-DEC 20  
 Note: THIS SEC IS FOR STUDENTS IN THE LEAD  
 LEARNING COMMUNITY.

LEARNING COMM SEMNR ENGR 131 R CREDIT  
 Note: COURSE RESTRICTED TO ENGR MAJORS ONLY  
 Satisfactory-Fail Only.  
 7845005 1 W 1:10-2:00  
 MEETS: AUG 26-DEC 20  
 7845010 2 W 11:00-11:50  
 MEETS: AUG 26-DEC 20  
 7845015 3 R 11:00-11:50  
 MEETS: AUG 26-DEC 20  
 7845020 4 W 10:00-10:50  
 MEETS: AUG 26-DEC 20  
 7845025 5 T 11:00-11:50  
 MEETS: AUG 26-DEC 20  
 7845030 6 W 2:10-3:00  
 MEETS: AUG 26-DEC 20  
 7845035 7 T 10:00-10:50  
 MEETS: AUG 26-DEC 20  
 7845040 8 T 1:10-2:00  
 MEETS: AUG 26-DEC 20  
 7845045 9 R 10:00-10:50  
 MEETS: AUG 26-DEC 20  
 7845050 10 T 2:10-3:00  
 MEETS: AUG 26-DEC 20  
 7845055 11 R 3:10-4:00  
 MEETS: AUG 26-DEC 20  
 7845060 12 W 1:10-2:00  
 MEETS: AUG 26-DEC 20  
 7845065 13 R 1:10-2:00  
 MEETS: AUG 26-DEC 20  
 7845070 14 R 10:00-10:50  
 MEETS: AUG 26-DEC 20  
 7845075 15 R 2:10-3:00  
 MEETS: AUG 26-DEC 20  
 7845080 16 R 11:00-11:50  
 MEETS: AUG 26-DEC 20  
 7845085 17 T 2:10-3:00  
 MEETS: AUG 26-DEC 20  
 7845090 18 T 10:00-10:50  
 MEETS: AUG 26-DEC 20  
 7845095 19 T 1:10-2:00  
 MEETS: AUG 26-DEC 20  
 7845100 20 W 10:00-10:50  
 MEETS: AUG 26-DEC 20  
 7845105 21 W 11:00-11:50  
 MEETS: AUG 26-DEC 20  
 7845110 22 R 1:10-2:00  
 MEETS: AUG 26-DEC 20  
 7845115 23 T 11:00-11:50  
 MEETS: AUG 26-DEC 20  
 7845120 24 R 3:10-4:00  
 MEETS: AUG 26-DEC 20

FOUND LEADR DV&LRNG ENGR 150 1 CREDIT  
 Satisfactory-Fail Only.  
 8147005 1 M 3:10-5:00  
 MEETS: AUG 26-OCT 18

ENGR PROB & CPR LAB ENGR 160 3 CREDITS  
 Prereq: MATH 143 OR SATISFACTORY SCORES  
 ON MATHEMATICS PLACEMENT EXAMINATIONS  
 Note: COURSE RESTRICTED TO ENGR, MAT E MAJORS ONLY.  
 CREDIT IN ONLY ONE OF THE FOLLOWING COURSES  
 MAY BE APPLIED TOWARD GRADUATION: A B E 160, C E 160,  
 A E 160, ENGR 160, M E 160, CPR E 185, E E 185,  
 S E 185, I E 148  
 Night exams scheduled. For dates go to  
[http://www.registrar.iastate.edu/students/exams/  
 night-exams](http://www.registrar.iastate.edu/students/exams/night-exams).

## ENGINEERING

(CONTINUED)

ENGR PROB & CPR LAB ENGR 160 3 CREDITS  
 2946005 1 MW 8:00-9:50  
 MEETS: AUG 26-DEC 20  
 2946010 2 MW 10:00-11:50  
 MEETS: AUG 26-DEC 20  
 2946105 3 MW 12:10-2:00  
 MEETS: AUG 26-DEC 20  
 2946020 4 MW 2:10-4:00  
 MEETS: AUG 26-DEC 20  
 2946025 5 TR 8:00-9:50  
 MEETS: AUG 26-DEC 20  
 2946030 6 TR 10:00-11:50  
 MEETS: AUG 26-DEC 20  
 2946040 7 TR 12:10-2:00  
 MEETS: AUG 26-DEC 20  
 2946045 8 TR 2:10-4:00  
 MEETS: AUG 26-DEC 20  
 2946050 9 TR 4:10-6:00PM  
 MEETS: AUG 26-DEC 20  
 2946055 10 TR 4:10-6:00PM  
 MEETS: AUG 26-DEC 20  
 2946060 11 TR 10:00-11:50  
 MEETS: AUG 26-DEC 20

LEADRSHP ENGR TEAMS ENGR 250 1 CREDIT  
 8591005 1 M 3:10-5:30  
 MEETS: OCT 21-DEC 20

ENGR:THOT TO THING ENGR 260 3 CREDITS  
 Note: COURSE RESTRICTED TO COLLEGES OTHER THAN  
 ENGINEERING  
 5528005 1 TR 4:10-5:30  
 MEETS: AUG 26-DEC 20

SURV IMPCT OF ENGRG ENGR 265 3 CREDITS  
 2212005 1 ARRANGED  
 MEETS: AUG 26-DEC 20

INT'L EXPRNC REPORT ENGR 320 3 CREDITS  
 Prereq: SATISFACTORY COMPLETION OF INTERNATIONAL  
 WORK EXPERIENCE OF AT LEAST 10 WEEKS OR 9 CREDITS OF  
 APPROVED COURSE WORK TAKEN ABROAD  
 Note: Meets international perspectives reqmt  
 Satisfactory-Fail Only.  
 7283005 1 ARRANGED  
 MEETS: AUG 26-DEC 20  
 Note: College permission required.

DEANS LDRSHP SEMNAR ENGR 350 1 CREDIT  
 Prereq: SELECTION BASED ON DEMONSTRATED  
 COMMITMENT TO LEADERSHIP DEVELOPMNT. JUNIOR OR ABOVE.  
 Note: CREDIT IN ENGR 350 MAY NOT BE APPLIED TOWARD  
 A DEGREE IN ENGINEERING  
 Instructor permission required.  
 Satisfactory-Fail Only.  
 9494005 1 F 1:10-2:00  
 MEETS: AUG 26-DEC 20

MULTIDISC ENGR DSGN ENGR 466 3 CREDITS  
 Prereq: COURSE TO BE TAKEN WITHIN 2 SEMESTERS OF  
 GRADUATION, PERMISSION OF INSTRUCTOR  
 8893005 1 MWF 3:10-5:00  
 MEETS: AUG 26-DEC 20

IND STDY ENTREPRNSH ENGR 490E 1- 3 CREDITS  
 Prereq: JUNIOR OR SENIOR CLASSIFICATION IN  
 ENGINEERING, COLLEGE APPROVAL  
 Note: College permission required.  
 2529005 1 ARRANGED  
 MEETS: AUG 26-DEC 20

INDEP STU LEADRSHIP ENGR 490L 1- 3 CREDITS  
 Prereq: JUNIOR OR SENIOR CLASSIFICATION IN  
 ENGINEERING, COLLEGE APPROVAL  
 5006005 1 ARRANGED  
 MEETS: AUG 26-DEC 20

FOUND ENGEERNG EDUC ENGR 538X 3 CREDITS  
 Prereq: CLASSIFICATION AS AN ENGINEERING  
 GRADUATE STUDENT OR PERMISSION OF INSTRUCTOR  
 0207005 1 R 5:30-8:30PM AHN B  
 MEETS: AUG 26-DEC 20

## ENGINEERING MECHANICS

ENGINEERING STATICS E M 274 3 CREDITS  
 Prereq: PHYS 221, CREDIT OR ENROLLMNT IN MATH 166  
 Note: COURSE RESTRICTED TO ENGR COLLEGE MAJORS  
 CREDIT IN MAT E 319X, OR THE E M 274 AND E M 324  
 PAIR OF COURSES, BUT NOT BOTH, MAY BE APPLIED TOWARD  
 GRADUATION  
 Night exams scheduled. For dates go to  
[http://www.registrar.iastate.edu/students/exams/  
 night-exams](http://www.registrar.iastate.edu/students/exams/night-exams).

3004005 1 MWF 9:00-9:50  
 MEETS: AUG 26-DEC 20  
 3004010 2 MWF 12:10-1:00  
 MEETS: AUG 26-DEC 20  
 3004015 3 MWF 3:10-4:00  
 MEETS: AUG 26-DEC 20  
 3004020 4 MWF 3:10-4:00  
 MEETS: AUG 26-DEC 20  
 3004025 5 MWF 2:10-3:00  
 MEETS: AUG 26-DEC 20

## ENGINEERING MECHANICS (CONTINUED)

ENGINEERING STATICS E M 274 3 CREDITS  
 3004030 6 MWF 2:10-3:00  
 MEETS: AUG 26-DEC 20  
 3004035 7 MWF 4:10-5:00  
 MEETS: AUG 26-DEC 20  
 3004040 8 MWF 9:00-9:50  
 MEETS: AUG 26-DEC 20  
 3004045 9 MWF 1:10-2:00  
 MEETS: AUG 26-DEC 20

MECHAN OF MATERIALS E M 324 3 CREDITS

Prereq: E M 274

Note: COURSE RESTRICTED TO ENGR COLLEGE SOPHOMORES, JUNIORS AND SENIORS

Night exams scheduled. For dates go to

<http://www.registrar.iastate.edu/students/exams/night-exams>.

3007005 1 MWF 9:00-9:50 ZARECHNYY O  
 MEETS: AUG 26-DEC 20  
 3007010 2 MWF 12:10-1:00 STURGES L  
 MEETS: AUG 26-DEC 20  
 3007015 3 MWF 11:00-11:50 STURGES L  
 MEETS: AUG 26-DEC 20  
 3007020 4 MWF 12:10-1:00 ZARECHNYY O  
 MEETS: AUG 26-DEC 20  
 3007025 5 MWF 4:10-5:00 ZARECHNYY O  
 MEETS: AUG 26-DEC 20  
 3007030 6 MWF 2:10-3:00 STURGES L  
 MEETS: AUG 26-DEC 20

MECH OF MATERLS LAB E M 327 1 CREDIT

Prereq: E M 324

3008005 1 T 8:00-9:50  
 MEETS: AUG 26-DEC 20  
 3008010 2 T 10:00-11:50  
 MEETS: AUG 26-DEC 20  
 3008015 3 T 1:10-3:00  
 MEETS: AUG 26-DEC 20  
 3008020 4 T 3:10-5:00  
 MEETS: AUG 26-DEC 20  
 3008025 5 W 8:00-9:50  
 MEETS: AUG 26-DEC 20  
 3008030 6 W 10:00-11:50  
 MEETS: AUG 26-DEC 20  
 3008035 7 W 1:10-3:00  
 MEETS: AUG 26-DEC 20  
 3008040 8 R 8:00-9:50  
 MEETS: AUG 26-DEC 20  
 3008045 9 R 10:00-11:50  
 MEETS: AUG 26-DEC 20  
 3008050 10 R 1:10-3:00  
 MEETS: AUG 26-DEC 20  
 3008055 11 R 3:10-5:00  
 MEETS: AUG 26-DEC 20

ENGINEERING DYNAMICS E M 345 3 CREDITS

Prereq: E M 274, CR OR ENROLLMENT IN MATH 266 OR MATH 267

Note: COURSE RESTRICTED TO ENGR COLLEGE SOPHOMORES, JUNIORS AND SENIORS

Night exams scheduled. For dates go to

<http://www.registrar.iastate.edu/students/exams/night-exams>.

3010005 1 MWF 9:00-9:50  
 MEETS: AUG 26-DEC 20  
 3010010 2 MWF 9:00-9:50  
 MEETS: AUG 26-DEC 20  
 3010015 3 MWF 12:10-1:00  
 MEETS: AUG 26-DEC 20  
 3010020 4 MWF 2:10-3:00  
 MEETS: AUG 26-DEC 20  
 3010025 5 MWF 11:00-11:50  
 MEETS: AUG 26-DEC 20

PRIN NONDESTRC TEST E M 362 3 CREDITS

Prereq: PHYS 112 OR PHYS 222

3011005 1 MWF 10:00-10:50 BOND L  
 MEETS: AUG 26-DEC 20

NONDESTRUC TEST LAB E M 362L 1 CREDIT

Prereq: CREDIT OR ENROLLMENT IN MAT E 362

3012005 1 T 2:10-5:00 BOND L  
 MEETS: AUG 26-DEC 20  
 3012010 2 R 2:10-5:00 BOND L  
 MEETS: AUG 26-DEC 20

MECHANICS OF FLUIDS E M 378 3 CREDITS

Prereq: E M 274

Note: LECTURE ONLY MEETS TWICE DURING WEEKS WHEN LAB IS HELD. RESTRICTED TO ENGR COLLEGE SOPHOMORES, JUNIORS AND SENIORS.

Night exams scheduled. For dates go to

<http://www.registrar.iastate.edu/students/exams/night-exams>.

3013005 1 MWF 10:00-10:50 SCHAEFER J  
 T 8:00-9:50  
 MEETS: AUG 26-DEC 20  
 3013010 2 MWF 10:00-10:50 SCHAEFER J  
 R 10:00-11:50  
 MEETS: AUG 26-DEC 20  
 3013015 3 MWF 10:00-10:50 SCHAEFER J  
 W 11:00-1:00  
 MEETS: AUG 26-DEC 20  
 3013020 4 MWF 10:00-10:50 SCHAEFER J  
 R 3:10-5:00  
 MEETS: AUG 26-DEC 20

## ENGINEERING MECHANICS (CONTINUED)

MECHANICS OF FLUIDS E M 378 3 CREDITS  
 3013025 5 MWF 10:00-10:50 SCHAEFER J  
 T 1:10-3:00  
 MEETS: AUG 26-DEC 20

3013030 6 MWF 9:00-9:50 SCHAEFER J  
 T 3:10-5:00  
 MEETS: AUG 26-DEC 20

3013035 7 MWF 9:00-9:50 SCHAEFER J  
 R 8:00-9:50  
 MEETS: AUG 26-DEC 20

3013040 8 MWF 9:00-9:50 SCHAEFER J  
 R 1:10-3:00  
 MEETS: AUG 26-DEC 20

3013045 9 MWF 9:00-9:50 SCHAEFER J  
 T 10:00-11:50  
 MEETS: AUG 26-DEC 20

3013055 10 MWF 9:00-9:50 SCHAEFER J  
 W 3:10-5:00  
 MEETS: AUG 26-DEC 20

3013060 11 MWF 9:00-9:50 SCHAEFER J  
 W 1:10-3:00  
 MEETS: AUG 26-DEC 20

3013065 12 MWF 10:00-10:50 SCHAEFER J  
 W 1:10-3:00  
 MEETS: AUG 26-DEC 20

EXPERIMTL MECHANICS E M 417 3 CREDITS

Prereq: E M 324, MAT E 273

3017005 1 MWF 12:10-1:00 BASTAWROS A  
 MEETS: AUG 26-DEC 20

INDEPENDENT STUDY E M 490 VAR. CREDITS

Prereq: PERMISSION OF INSTRUCTOR

\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

INDEP STUDY HONORS E M 490H VAR. CREDITS

Prereq: INSTR PERMISSION, HONORS PROG MEMBERSHIP

Note: COURSE RESTRICTED TO STUDENTS IN THE UNIVERSITY

HONORS PROGRAM ONLY

\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

CONTINUUM MECHANICS E M 510 3 CREDITS

Prereq: MATH 385

3026005 1 MWF 11:00-11:50 SHEIDAEI A  
 MEETS: AUG 26-DEC 20

EXPERIMNTL MECHANCS E M 517 3 CREDITS

Prereq: E M 510 OR E M 514 OR E M 516

3030005 1 MWF 12:10-1:00 BASTAWROS A  
 MEETS: AUG 26-DEC 20

PHASE TRNSFM ELASTC E M 566 3 CREDITS

Prereq: E M 510 OR E M 516 OR E M 514

3086005 1 TR 10:00-11:50 LEVITAS V  
 MEETS: AUG 26-DEC 20

SPL TOPC THIN FILMS E M 590H 1- 4 CREDITS

Prereq: PERMISSION OF INSTRUCTOR

Note: Instructor permission required.

\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

SPL TOP CELULR MDIA E M 590I 1- 4 CREDITS

Prereq: PERMISSION OF INSTRUCTOR

Note: Instructor permission required.

\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

SPECIAL TOPICS E M 590J 1- 4 CREDITS

Prereq: PERMISSION OF INSTRUCTOR

Note: Instructor permission required.

\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

CREATIVE COMPONENT E M 599 VAR. CREDITS

\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

SPL TOP ADV EXP MTH E M 690N 1- 6 CREDITS

Prereq: PERMISSION OF INSTRUCTOR

Note: Instructor permission required.

\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

SP TOP ADV WAV PROP E M 690O 1- 6 CREDITS

Prereq: PERMISSION OF INSTRUCTOR

Note: Instructor permission required.

\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

SPL TOP ADV MATERLS E M 690P 1- 6 CREDITS

Prereq: PERMISSION OF INSTRUCTOR

Note: Instructor permission required.

\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

SP TOP ADV COMP MTH E M 690Q 1- 6 CREDITS

Prereq: PERMISSION OF INSTRUCTOR

Note: Instructor permission required.

\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

SPL TOP RELIAB&FAIL E M 690R 1- 6 CREDITS

Prereq: PERMISSION OF INSTRUCTOR

Note: Instructor permission required.

\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

ENGINEERING MECHANICS (CONTINUED)

SPECIAL TOPICS E M 690S 1- 6 CREDITS  
 Prereq: PERMISSION OF INSTRUCTOR  
 Note: Instructor permission required.  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

ENGINEERG INTERNSHP E M 697 R CREDIT  
 Prereq: PERMISSION OF DOGE, GRAD CLASSIFICATION  
 Satisfactory-Fail Only.  
 8134005 1 ARRANGED  
 MEETS: AUG 26-DEC 20

RESEARCH E M 699 VAR. CREDITS  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

**ENGLISH**

IEOP READING:BEGINR ENGL 11A 0 CREDITS  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

IEOP READG:LO-INTMD ENGL 11B 0 CREDITS  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

IEOP READING:INTMED ENGL 11C 0 CREDITS  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

IEOP READ:HI-INTRMD ENGL 11D 0 CREDITS  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

IEOP READING: HIGH ENGL 11E 0 CREDITS  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

IEOP READING:ADVANC ENGL 11F 0 CREDITS  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

IEOP WRITING:BEGINR ENGL 12A 0 CREDITS  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

IEOP WRIT:LO-INTRMD ENGL 12B 0 CREDITS  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

IEOP WRITING:INTRMD ENGL 12C 0 CREDITS  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

IEOP WRIT:HI INTRMD ENGL 12D 0 CREDITS  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

IEOP WRITING: HIGH ENGL 12E 0 CREDITS  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

IEOP WRITING:ADVANC ENGL 12F 0 CREDITS  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

IEOP LISTN-SPK:BEGN ENGL 13A 0 CREDITS  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

IEOP LIST-SPK:LO-IN ENGL 13B 0 CREDITS  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

IEOP LISTN-SPK:INTM ENGL 13C 0 CREDITS  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

IEOP LIST-SPK:HI-IN ENGL 13D 0 CREDITS  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

IEOP LISTEN-SPK: HI ENGL 13E 0 CREDITS  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

IEOP LISTEN-SPK:ADV ENGL 13F 0 CREDITS  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

IEOP GRAMMAR:BEGINR ENGL 14A 0 CREDITS  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

IEOP GRAMMAR:LO-INT ENGL 14B 0 CREDITS  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

IEOP GRAMMAR:INTRMD ENGL 14C 0 CREDITS  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

IEOP GRAMMAR:HI-INT ENGL 14D 0 CREDITS  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

IEOP GRAMMAR: HIGH ENGL 14E 0 CREDITS  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

IEOP GRAMMAR:ADVANC ENGL 14F 0 CREDITS  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

IEOP EXIT ACAD SKIL ENGL 15 0 CREDITS  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

IEOP EXIT ORIENTATN ENGL 16 0 CREDITS  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

ENGLISH (CONTINUED)

IEOP EXIT TECHNOLGY ENGL 17 0 CREDITS  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

IEOP BUSNSS LIST-SP ENGL 18 0 CREDITS  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

IEOP BUSNSS READ-WR ENGL 19 0 CREDITS  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

IEOP OPTIONL SEMNAR ENGL 20 0 CREDITS  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

NONNATIVE SPEAKING ENGL 99S 0 CREDITS  
 Prereq: RECOMMENDATION OF ENGLISH DEPARTMENT  
 Note: DEVELOPMENTAL ENGLISH FEE APPLIES. SEE TUITION  
 AND FEES WEBSITE FOR MORE INFORMATION ON FEE.

9180005 1 MWF 10:00-10:50  
 MEETS: AUG 26-DEC 20

9180010 2 MWF 10:00-10:50  
 MEETS: AUG 26-DEC 20

9180015 3 MWF 11:00-11:50  
 MEETS: AUG 26-DEC 20

9180020 4 MWF 11:00-11:50  
 MEETS: AUG 26-DEC 20

9180025 5 MWF 11:00-11:50  
 MEETS: AUG 26-DEC 20

9180030 6 MWF 2:10-3:00  
 MEETS: AUG 26-DEC 20

9180035 7 MWF 2:10-3:00  
 MEETS: AUG 26-DEC 20

ENGLISH NONNATIVE I ENGL 101B 3 CREDITS  
 Prereq: RECOMMENDATION OF ENGL DEPT; PLACEMENT IN  
 VARIOUS SECTIONS DETERMINED BY EXAMINATION  
 Note: ENGL 101B DOES NOT APPLY TOWARD GRADUATION

3294005 1 MWF 9:00-9:50  
 MEETS: AUG 26-DEC 20

3294010 2 MWF 11:00-11:50  
 MEETS: AUG 26-DEC 20

3294015 3 MWF 12:10-1:00  
 MEETS: AUG 26-DEC 20

3294020 4 TR 11:00-12:20  
 MEETS: AUG 26-DEC 20

3294025 5 TR 8:00-9:20  
 MEETS: AUG 26-DEC 20

ENGLISH NONNATIV II ENGL 101C 3 CREDITS  
 Prereq: RECOMMENDATION OF ENGL DEPT; PLACEMENT IN  
 VARIOUS SECTIONS DETERMINED BY EXAMINATION  
 Note: ENGL 101C DOES NOT APPLY TOWARD GRADUATION

3295005 1 MWF 9:00-9:50  
 MEETS: AUG 26-DEC 20

3295010 2 MWF 11:00-11:50  
 MEETS: AUG 26-DEC 20

3295015 3 MWF 12:10-1:00  
 MEETS: AUG 26-DEC 20

3295020 4 MWF 2:10-3:00  
 MEETS: AUG 26-DEC 20

3295025 5 TR 12:40-2:00  
 MEETS: AUG 26-DEC 20

3295030 6 TR 8:00-9:20  
 MEETS: AUG 26-DEC 20

3295035 7 TR 11:00-12:20  
 MEETS: AUG 26-DEC 20

ENGLISH NONNATIV II ENGL 101D 3 CREDITS  
 Prereq: RECOMMENDATION OF ENGL DEPT; PLACEMENT IN  
 VARIOUS SECTIONS DETERMINED BY EXAMINATION  
 Note: ENGL 101D DOES NOT APPLY TOWARD GRADUATION.  
 COURSE RESTRICTED TO GRADUATE STUDENTS ONLY.

3296005 1 MF 10:00-10:50  
 W 10:00-10:50  
 MEETS: AUG 26-DEC 20

3296010 2 T 8:00-9:20  
 R 8:00-9:20  
 MEETS: AUG 26-DEC 20

3296015 3 T 11:00-12:20  
 R 11:00-12:20  
 MEETS: AUG 26-DEC 20

3296020 4 MF 12:10-1:00  
 W 12:10-1:00  
 MEETS: AUG 26-DEC 20

COMPUTERS &LANGUAGE ENGL 120 3 CREDITS  
 6170005 1 MF 12:10-1:00  
 W 12:10-1:00  
 MEETS: AUG 26-DEC 20

CRITCL THINK&CMUNIC ENGL 150 3 CREDITS  
 Prereq: CONCURRENT ENROLLMENT IN LIB 160  
 IS RECOMMENDED

Note: EVERY SECTION MEETS IN A COMPUTER WRITING LAB  
 ONE DAY PER WEEK. THE OTHER MEETING(S) WILL BE IN A  
 TRADITIONAL CLASSROOM.

3298100 DA M 10:00-10:50  
 WF 10:00-10:50  
 MEETS: AUG 26-DEC 20

Note: SEC. DA IS LIKELY TO MEET ON MONDAYS IN A  
 ROSS HALL COMPUTER LAB

3298105 DB M 11:00-11:50  
 WF 11:00-11:50  
 MEETS: AUG 26-DEC 20

Note: SEC. DB IS LIKELY TO MEET ON MONDAYS IN A  
 ROSS HALL COMPUTER LAB

## ENGLISH

(CONTINUED)

CRITCL THINK&CMUNIC ENGL 150 3 CREDITS  
 3298110 DC M 12:10-1:00  
 WF 12:10-1:00  
 MEETS: AUG 26-DEC 20  
 Note: SEC. DC IS LIKELY TO MEET ON MONDAYS IN A ROSS HALL COMPUTER LAB

3298115 DD MW 3:10-6:00PM  
 MEETS: AUG 26-OCT 18  
 Note: SEC. DD IS A FIRST-HALF SEMESTER SECTION THAT STARTS ON AUGUST 20. DUE TO THE CONDENSED NATURE OF THIS SECTION (8 WKS), REGULAR ATTENDANCE IS CRITICAL. SEC. DD IS LIKELY TO MEET IN A ROSS HALL COMPUTER ROOM. TO ADD THIS SECTION DURING THE FIRST WEEK OF CLASSES, OBTAIN SIGNATURE FROM DEANNA STUMBO, 229 ROSS HALL.  
 Department permission required 1st week.

3298120 DE MW 3:10-6:00PM  
 MEETS: OCT 21-DEC 20  
 Note: SEC. DE IS A SECOND-HALF SEMESTER SECTION THAT STARTS ON OCTOBER 15. DUE TO THE CONDENSED NATURE OF THIS SECTION (8 WKS), REGULAR ATTENDANCE IS CRITICAL. SEC. DE IS LIKELY TO MEET IN A ROSS HALL COMPUTER ROOM. TO ADD THIS SECTION DURING THE FIRST WEEK OF CLASSES, OBTAIN SIGNATURE FROM DEANNA STUMBO, 229 ROSS HALL.  
 Department permission required 1st week.

3298125 DF TR 3:40-6:20PM  
 MEETS: AUG 26-OCT 18  
 Note: SEC. DF IS A FIRST-HALF SEMESTER SECTION THAT STARTS ON AUGUST 21. DUE TO THE CONDENSED NATURE OF THIS SECTION (8 WKS), REGULAR ATTENDANCE IS CRITICAL. SEC. DF IS LIKELY TO MEET IN A ROSS HALL COMPUTER ROOM. TO ADD THIS SECTION DURING THE FIRST WEEK OF CLASSES, OBTAIN SIGNATURE FROM DEANNA STUMBO, 229 ROSS HALL.  
 Department permission required 1st week.

3298130 DG TR 3:40-6:20PM  
 MEETS: OCT 21-DEC 20  
 Note: SEC. DG IS A SECOND-HALF SEMESTER SECTION THAT STARTS ON OCTOBER 16. DUE TO THE CONDENSED NATURE OF THIS SECTION (8 WKS), REGULAR ATTENDANCE IS CRITICAL. SEC. DG IS LIKELY TO MEET IN A ROSS HALL COMPUTER ROOM. TO ADD THIS SECTION DURING THE FIRST WEEK OF CLASSES, OBTAIN SIGNATURE FROM DEANNA STUMBO, 229 ROSS HALL.  
 Department permission required 1st week.

3298135 DH MF 11:00-11:50  
 W 11:00-11:50  
 MEETS: AUG 26-DEC 20  
 Note: SEC. DH IS LIKELY TO MEET SOME OF THE WEDNESDAYS IN A ROSS HALL COMPUTER LAB

3298136 DJ MF 12:10-1:00  
 W 12:10-1:00  
 MEETS: AUG 26-DEC 20  
 Note: SEC. DJ IS LIKELY TO MEET SOME OF THE WEDNESDAYS IN THE ROSS HALL COMPUTER LAB.

3298140 DK MF 8:00-8:50  
 W 8:00-8:50  
 MEETS: AUG 26-DEC 20  
 Note: SEC. DK IS LIKELY TO MEET SOME OF THE WEDNESDAYS IN A ROSS HALL COMPUTER LAB.

3298150 DL MF 2:10-3:00  
 W 2:10-3:00  
 MEETS: AUG 26-DEC 20  
 Note: SEC. DL IS LIKELY TO MEET SOME OF THE WEDNESDAYS IN A ROSS HALL COMPUTER LAB  
 RESTRICTED TO THE COLLEGE OF ENGR MAJORS ONLY

3298155 DM T 8:00-9:20  
 R 8:00-9:20  
 MEETS: AUG 26-DEC 20  
 Note: SEC. DA IS LIKELY TO MEET ON THURSDAYS IN A ROSS HALL COMPUTER LAB

3298300 FA M 9:00-9:50  
 WF 9:00-9:50  
 MEETS: AUG 26-DEC 20  
 Note: SEC. FA IS LIKELY TO MEET IN THE FRILEY HALL COMPUTER ROOM ON MONDAYS  
 RESTRICTED TO AG B, AG SY, AGRON, AG X, AGLSE, AST, HORT MAJORS

3298305 FB M 10:00-10:50  
 WF 10:00-10:50  
 MEETS: AUG 26-DEC 20  
 Note: SEC. FB IS LIKELY TO MEET IN THE FRILEY HALL COMPUTER ROOM ON MONDAYS  
 RESTRICTED TO AGRON, AG ST, AGEDS, AG SO, AN S, AG B, A ECL, BIOL, BIOLA, ENSCA, ENSCS, HORT, NREM, FOR, MAJORS ONLY

3298310 FC MF 11:00-11:50  
 W 11:00-11:50  
 MEETS: AUG 26-DEC 20  
 Note: SEC. FC IS LIKELY TO MEET IN THE FRILEY HALL COMPUTER ROOM ON WEDNESDAYS

3298315 FE T 11:00-12:20  
 R 11:00-12:20  
 MEETS: AUG 26-DEC 20  
 Note: SEC. FE IS LIKELY TO MEET IN THE FRILEY HALL COMPUTER ROOM ON TUESDAYS  
 RESTRICTED TO A ECL, AN S, ANSPV, BIOL, BIOLA, GEN, GEN S, NREM, GENPV MAJORS

3298320 FF T 9:30-10:50  
 R 9:30-10:50  
 MEETS: AUG 26-DEC 20  
 Note: SEC. FF IS LIKELY TO MEET IN THE FRILEY HALL COMPUTER ROOM ON TUESDAYS  
 RESTRICTED TO A ECL, AN S, ANSPV, BIOL, BIOLA, DY S, DYSPV, GEN, GEN S, NREM, GENPV MAJORS

## ENGLISH

(CONTINUED)

CRITCL THINK&CMUNIC ENGL 150 3 CREDITS  
 3298335 FG T 12:40-2:00  
 R 12:40-2:00  
 MEETS: AUG 26-DEC 20  
 Note: SEC. FG IS LIKELY TO MEET IN THE FRILEY HALL COMPUTER ROOM ON TUESDAYS  
 RESTRICTED TO AG BIO, BIOL, BIOLA, BIOCHEM, GEN, GEN S, MICRO MAJORS ONLY

3298340 FH T 2:10-3:30  
 R 2:10-3:30  
 MEETS: AUG 26-DEC 20  
 Note: SEC. FH IS LIKELY TO MEET IN THE FRILEY HALL COMPUTER ROOM ON TUESDAYS  
 RESTRICTED TO ADVRT, FS A, JL MC, MKT, MGMT, P R, P BUS, TCOMM MAJORS

3298355 FK T 11:00-12:20  
 R 11:00-12:20  
 MEETS: AUG 26-DEC 20  
 Note: SEC. FK IS LIKELY TO MEET IN THE FRILEY HALL COMPUTER ROOM ON THURSDAYS  
 RESTRICTED TO CH FS. ECE, E C P, FCEDS MAJORS.

3298360 FL T 2:10-3:30  
 R 2:10-3:30  
 MEETS: AUG 26-DEC 20  
 Note: SEC. FL IS LIKELY TO MEET IN THE FRILEY HALL COMPUTER ROOM ON THURSDAYS  
 RESTRICTED TO CH FS. ECE, E C P, FCEDS MAJORS.

3298205 FM T 3:40-5:00  
 R 3:40-5:00  
 MEETS: AUG 26-DEC 20  
 Note: SEC. FM IS LIKELY TO MEET IN THE FRILEY HALL COMPUTER ROOM ON THURSDAYS  
 RESTRICTED TO ADVRT, EVENT, JL MC, P BUS, P ID, P IND, P ISA, P R MAJORS

3298370 FP MF 9:00-9:50  
 W 9:00-9:50  
 MEETS: AUG 26-DEC 20  
 Note: SEC. FP IS LIKELY TO MEET IN THE FRILEY HALL COMPUTER ROOM ON WEDNESDAYS  
 RESTRICTED TO COLLEGE OF ENGR MAJORS

3298380 FR T 12:40-2:00  
 R 12:40-2:00  
 MEETS: AUG 26-DEC 20  
 Note: SEC. FR IS LIKELY TO MEET IN THE FRILEY HALL COMPUTER ROOM ON THURSDAYS  
 RESTRICTED TO CH FS. ECE, E C P, FCEDS MAJORS.

3298270 LB M 9:00-9:50  
 WF 9:00-9:50  
 MEETS: AUG 26-DEC 20  
 Note: SEC. LB IS LIKELY TO MEET IN A MAPLE-WILLOW-LARCH COMMONS COMPUTER ROOM ON MONDAYS

3298600 LC M 10:00-10:50  
 WF 10:00-10:50  
 MEETS: AUG 26-DEC 20  
 Note: SEC. LC IS LIKELY TO MEET IN A MAPLE-WILLOW-LARCH COMMONS COMPUTER ROOM ON MONDAYS

3298605 LD MF 11:00-11:50  
 W 11:00-11:50  
 MEETS: AUG 26-DEC 20  
 Note: SEC. LD IS LIKELY TO MEET IN A MAPLE-WILLOW-LARCH COMMONS COMPUTER ROOM ON WEDNESDAYS

3298620 LG MF 12:10-1:00  
 W 12:10-1:00  
 MEETS: AUG 26-DEC 20  
 Note: SEC. LG IS LIKELY TO MEET IN A MAPLE-WILLOW-LARCH COMMONS COMPUTER ROOM ON WEDNESDAYS

3298625 LH WF 11:00-11:50  
 M 11:00-11:50  
 MEETS: AUG 26-DEC 20  
 Note: SEC. LH IS LIKELY TO MEET IN A MAPLE-WILLOW-LARCH COMMONS COMPUTER ROOM ON MONDAYS.

3298345 LJ MF 2:10-3:00  
 W 2:10-3:00  
 MEETS: AUG 26-DEC 20  
 Note: SEC. LJ IS LIKELY TO MEET IN A MAPLE-WILLOW-LARCH COMMONS COMPUTER ROOM ON WEDNESDAYS

3298630 LL T 12:40-2:00  
 R 12:40-2:00  
 MEETS: AUG 26-DEC 20  
 Note: SEC. LL IS LIKELY TO MEET IN A MAPLE-WILLOW-LARCH COMMONS COMPUTER ROOM ON TUESDAYS

3298635 LM T 2:10-3:30  
 R 2:10-3:30  
 MEETS: AUG 26-DEC 20  
 Note: SEC. LM IS LIKELY TO MEET IN A MAPLE-WILLOW-LARCH COMPUTER ROOM ON TUESDAYS

3298645 LP MF 10:00-10:50  
 W 10:00-10:50  
 MEETS: AUG 26-DEC 20  
 Note: SEC. LP IS LIKELY TO MEET IN A MAPLE-WILLOW-LARCH COMMONS COMPUTER ROOM ON WEDNESDAYS

3298646 LQ M 12:10-1:00  
 WF 12:10-1:00  
 MEETS: AUG 26-DEC 20  
 Note: SEC. LQ IS LIKELY TO MEET IN A MAPLE-WILLOW-LARCH COMMONS COMPUTER ROOM ON MONDAYS

3298653 MA M 8:00-8:50  
 WF 8:00-8:50  
 MEETS: AUG 26-DEC 20  
 Note: SEC. MA IS LIKELY TO MEET IN A MAPLE-WILLOW-LARCH COMMONS COMPUTER ROOM ON MONDAYS  
 RESTRICTED TO THE COLLEGE OF AG MAJORS

3298655 MB M 9:00-9:50  
 WF 9:00-9:50  
 MEETS: AUG 26-DEC 20  
 Note: SEC. MB IS LIKELY TO MEET IN A MAPLE-WILLOW-LARCH



## ENGLISH

(CONTINUED)

CRITCL THINK&CMUNIC ENGL 150 3 CREDITS  
COMMONS COMPUTER ROOM ON MONDAYS  
3298665 MD M 12:10-1:00  
WF 12:10-1:00  
MEETS: AUG 26-DEC 20  
Note: SEC. MD IS LIKELY TO MEET IN A MAPLE-WILLOW-LARCH  
COMMONS COMPUTER ROOM ON MONDAYS  
3298670 ME T 12:40-2:00  
R 12:40-2:00  
MEETS: AUG 26-DEC 20  
Note: SEC. ME IS LIKELY TO MEET IN A MAPLE-WILLOW-LARCH  
COMMONS COMPUTER ROOM ON TUESDAYS  
3298675 MF T 2:10-3:30  
R 2:10-3:30  
MEETS: AUG 26-DEC 20  
Note: SEC. MF IS LIKELY TO MEET IN A MAPLE-WILLOW-LARCH  
COMMONS COMPUTER ROOM ON TUESDAYS  
3298680 MG T 2:10-3:30  
R 2:10-3:30  
MEETS: AUG 26-DEC 20  
Note: SEC. MG IS LIKELY TO MEET IN A MAPLE-WILLOW-LARCH  
COMMONS COMPUTER ROOM ON THURSDAYS  
3298690 MJ MF 9:00-9:50  
W 9:00-9:50  
MEETS: AUG 26-DEC 20  
Note: SEC. MJ IS LIKELY TO MEET IN A MAPLE-WILLOW-LARCH  
COMMONS COMPUTER ROOM ON WEDNESDAYS  
3298695 MK MF 10:00-10:50  
W 10:00-10:50  
MEETS: AUG 26-DEC 20  
Note: SEC. MK IS LIKELY TO MEET IN A MAPLE-WILLOW-LARCH  
COMMONS COMPUTER ROOM ON WEDNESDAYS  
3298700 ML T 11:00-12:20  
R 11:00-12:20  
MEETS: AUG 26-DEC 20  
Note: SEC. ML IS LIKELY TO MEET IN A MAPLE-WILLOW-LARCH  
COMMONS COMPUTER ROOM ON TUESDAYS  
3298701 MM R 12:40-2:00  
T 12:40-2:00  
MEETS: AUG 26-DEC 20  
Note: SEC. MM IS LIKELY TO MEET IN A MAPLE-WILLOW-LARCH  
COMPUTER ROOM ON THURSDAYS  
3298710 MQ M 11:00-11:50  
WF 11:00-11:50  
MEETS: AUG 26-DEC 20  
Note: SEC. MQ IS LIKELY TO MEET IN A MAPLE-WILLOW-LARCH  
COMMONS COMPUTER ROOM ON MONDAYS  
3298755 TA MF 12:10-1:00  
W 12:10-1:00  
MEETS: AUG 26-DEC 20  
Note: SEC. TA IS LIKELY TO MEET IN A ROSS HALL  
COMPUTER ROOM ON WEDNESDAYS  
3298760 TB M 2:10-3:00  
WF 2:10-3:00  
MEETS: AUG 26-DEC 20  
Note: SEC. TB IS LIKELY TO MEET IN A ROSS HALL  
COMPUTER ROOM ON MONDAYS  
RESTRICTED TO A ECL, AN S, ANSPV, BIOL, BIOLA,  
DY S, DYSPV, GEN, GEN S, NREM, GENPV MAJORS  
3298765 TC T 8:00-9:20  
R 8:00-9:20  
MEETS: AUG 26-DEC 20  
Note: SEC. TC IS LIKELY TO MEET IN A ROSS HALL  
COMPUTER ROOM ON THURSDAYS  
3298790 TE MF 8:00-8:50  
W 8:00-8:50  
MEETS: AUG 26-DEC 20  
Note: SEC. TE IS LIKELY TO MEET IN A ROSS HALL  
COMPUTER ROOM ON WEDNESDAYS  
3298805 TG T 9:30-10:50  
R 9:30-10:50  
MEETS: AUG 26-DEC 20  
Note: SEC. TG IS LIKELY TO MEET IN A ROSS HALL  
COMPUTER LAB ON THURSDAYS  
RESTRICTED TO ADVRT, EVENT, JL MC, P BUS, P ID,  
P IND, P ISA, P R MAJORS  
3298801 TH MW 11:00-11:50  
F 11:00-11:50  
MEETS: AUG 26-DEC 20  
Note: SEC. TH IS LIKELY TO MEET IN A ROSS HALL  
COMPUTER ROOM ON FRIDAYS  
3298815 TJ MW 12:10-1:00  
F 12:10-1:00  
MEETS: AUG 26-DEC 20  
Note: SEC. TJ IS LIKELY TO MEET IN A ROSS HALL  
COMPUTER ROOM ON FRIDAYS  
3298820 TK M 11:00-11:50  
WF 11:00-11:50  
MEETS: AUG 26-DEC 20  
Note: SEC. TK IS LIKELY TO MEET IN A ROSS HALL  
COMPUTER ROOM ON MONDAYS  
3298825 TL MF 11:00-11:50  
W 11:00-11:50  
MEETS: AUG 26-DEC 20  
Note: SEC. TL IS LIKELY TO MEET IN A ROSS HALL  
COMPUTER ROOM ON WEDNESDAYS  
3298835 TN MF 2:10-3:00  
W 2:10-3:00  
MEETS: AUG 26-DEC 20  
Note: SEC. TN IS LIKELY TO MEET IN A ROSS HALL  
COMPUTER ROOM ON WEDNESDAYS  
3298840 TP WF 12:10-1:00  
M 12:10-1:00  
MEETS: AUG 26-DEC 20  
Note: SEC. TP IS LIKELY TO MEET IN A ROSS HALL  
COMPUTER ROOM ON MONDAYS.

## ENGLISH

(CONTINUED)

CRITCL THINK&CMUNIC ENGL 150 3 CREDITS  
RESTRICTED TO A ECL, AN S, ANSPV, BIOL, BIOLA,  
DY S, DYSPV, GEN, GEN S, NREM, GENPV MAJORS  
3298890 VA MF 10:00-10:50  
W 10:00-10:50  
MEETS: AUG 26-DEC 20  
Note: SEC. VA IS LIKELY TO MEET IN A ROSS HALL  
COMPUTER ROOM ON WEDNESDAYS  
RESTRICTED TO CUFSA, CUFSH, FS A, FS H, NS A, NS H,  
P DTA, P DTH, PDEXA, PFEHX MAJORS ONLY  
3298895 VB R 3:40-5:00  
T 3:40-5:00  
MEETS: AUG 26-DEC 20  
Note: SEC. VB IS LIKELY TO MEET IN A ROSS HALL  
COMPUTER ROOM ON TUESDAYS

SPEAKG FOR INT'L TA ENGL 180A 3 CREDITS  
Prereq: NO MORE THAN ONE SECTION OF ENGL 180 MAY  
BE TAKEN PER SEMESTER; UP TO TWO SECTIONS TOTAL  
Note: ENGL 180A DOES NOT APPLY TOWARD GRADUATION.  
FOR TEACHING ASSISTANTS. GET ADD SLIP SIGNED  
IN THE CENTER FOR COMMUNICATION EXCELLENCE,  
1137 PEARSON HALL.  
Satisfactory-Fail Only.  
3579005 1 MW 3:10-4:30  
MEETS: AUG 26-DEC 20  
Note: Instructor permission required.  
3579010 2 TR 2:10-3:30  
MEETS: AUG 26-DEC 20  
Note: Instructor permission required.

INTMED ENGL INTL TA ENGL 180B 3 CREDITS  
Prereq: NO MORE THAN ONE SECTION OF ENGL 180 MAY  
BE TAKEN PER SEMESTER; UP TO TWO SECTIONS TOTAL  
Note: ENGL 180B DOES NOT APPLY TOWARD GRADUATION.  
FOR TEACHING ASSISTANTS. GET ADD SLIP SIGNED  
IN THE CENTER FOR COMMUNICATION EXCELLENCE,  
1137 PEARSON HALL.  
Satisfactory-Fail Only.  
3580005 1 TR 12:40-2:00  
MEETS: AUG 26-DEC 20  
3580010 2 MW 3:10-4:30  
MEETS: AUG 26-DEC 20

PRESNTATNS INT'L TA ENGL 180D 3 CREDITS  
Prereq: NO MORE THAN ONE SECTION OF ENGL 180 MAY  
BE TAKEN PER SEMESTER; UP TO TWO SECTIONS TOTAL  
Note: ENGL 180D DOES NOT APPLY TOWARD GRADUATION.  
FOR TEACHING ASSISTANTS. GET ADD SLIP SIGNED  
IN THE CENTER FOR COMMUNICATION EXCELLENCE,  
1137 PEARSON HALL.  
Satisfactory-Fail Only.  
3593005 1 TR 3:10-4:30  
MEETS: AUG 26-DEC 20  
Note: Instructor permission required.  
3593010 2 MW 3:10-4:30  
MEETS: AUG 26-DEC 20  
Note: Instructor permission required.  
3593015 3 TR 12:40-2:00  
MEETS: AUG 26-DEC 20  
Note: Instructor permission required.

INTRO TO LITERATURE ENGL 201 3 CREDITS  
Prereq: CREDIT IN OR EXEMPTION FROM ENGL 150  
3303005 A1 MWF 12:10-1:00  
MEETS: AUG 26-DEC 20  
Note: SECTION A1 RESTRICTED TO ENGL, TCOMM MAJORS ONLY  
3303010 A2 MWF 12:10-1:00  
MEETS: AUG 26-DEC 20  
Note: SECTION A2 RESTRICTED TO MAJORS OTHER THAN ENGL,  
TCOMM

INTRO TECH COMMUNIC ENGL 214 3 CREDITS  
Prereq: ENGL 150  
7570005 1 MWF 12:10-1:00  
MEETS: AUG 26-DEC 20

INTRO LINGUISTICS ENGL 219 3 CREDITS  
Prereq: SOPHOMORE CLASSIFICATION  
Note: SECTION A RESTRICTED TO SOPHOMORES, JUNIORS  
AND SENIORS ONLY  
TE: SECTION C RESTRICTED TO SOPHOMORES, JUNIORS  
AND SENIORS ONLY  
3307005 1 MWF 8:00-8:50  
MEETS: AUG 26-DEC 20  
Note: SECT 1 RESTRICTED TO SOPHOMORES, JUNIORS  
AND SENIORS ONLY  
3307010 2 MWF 2:10-3:00  
MEETS: AUG 26-DEC 20  
Note: SECT 2 RESTRICTED TO ENGL, LING SOPHOMORES  
JUNIORS, AND SENIORS  
3307015 3 TR 2:10-3:30  
MEETS: AUG 26-DEC 20  
Note: SECT 3 RESTRICTED TO SOPHOMORES, JUNIORS  
AND SENIORS ONLY  
3307020 4 TR 12:40-2:00  
MEETS: AUG 26-DEC 20  
Note: SECT 4 RESTRICTED TO SOPHOMORES, JUNIORS  
AND SENIORS ONLY

ENGLISH (CONTINUED)

ENGLISH (CONTINUED)

DESCRIP ENGL GRAMMAR ENGL 220 3 CREDITS  
 Prereq: ENGL 250  
 Note: SECTIONS A1,B1,ETC. RESTRICTED TO ENGL, TCOMM, LING MAJORS ONLY. SECTIONS A2,B2,ETC. RESTRICTED TO MAJORS OTHER THAN ENGL, TCOMM, LING.

3308005 A1 TR 2:10-3:30  
 MEETS: AUG 26-DEC 20

3308010 A2 TR 2:10-3:30  
 MEETS: AUG 26-DEC 20

3308015 B1 MWF 10:00-10:50  
 MEETS: AUG 26-DEC 20

3308020 B2 MWF 10:00-10:50  
 MEETS: AUG 26-DEC 20

3308025 C1 MWF 9:00-9:50  
 MEETS: AUG 26-DEC 20

3308030 C2 MWF 9:00-9:50  
 MEETS: AUG 26-DEC 20

BRITISH LIT TO 1800 ENGL 225 3 CREDITS  
 Prereq: ENGL 250

5349005 A1 MWF 9:00-9:50  
 MEETS: AUG 26-DEC 20  
 Note: SECTION A1 RESTRICTED TO ENGL, TCOMM MAJORS ONLY

5349010 A2 MWF 9:00-9:50  
 MEETS: AUG 26-DEC 20  
 Note: SECTION A2 RESTRICTED TO MAJORS OTHER THAN ENGL, TCOMM

AMERICAN LIT TO 1865 ENGL 227 3 CREDITS  
 Prereq: ENGL 250  
 Note: SEC A1,B1 RESTRICTED TO ENGL, TCOMM MAJORS ONLY. A2,B2 RESTRICTED TO MAJORS OTHER THAN ENGL, TCOMM.

5356005 A1 TR 11:00-12:20  
 MEETS: AUG 26-DEC 20

5356010 A2 TR 11:00-12:20  
 MEETS: AUG 26-DEC 20

5356015 B1 MWF 10:00-10:50  
 MEETS: AUG 26-DEC 20

5356020 B2 MWF 10:00-10:50  
 MEETS: AUG 26-DEC 20

INTRO AM INDIAN LIT ENGL 240 3 CREDITS  
 Prereq: CREDIT IN OR EXEMPTION FROM ENGL 150  
 Note: Meets U.S. diversity reqmt

8244005 1 TR 12:40-2:00  
 MEETS: AUG 26-DEC 20

WRIT,ORAL,EL COMPOS ENGL 250 3 CREDITS  
 Prereq: ENGL 150 OR EXEMPTION FROM ENGL 150;  
 CREDIT FOR OR CONCURRENT ENROLLMENT IN LIB 160  
 Note: THE UNIVERSITY REQUIRES A MINIMUM GRADE OF C IN ENGL 250 TO MEET THE COMMUNICATION PROFICIENCY GRADUATION REQUIREMENT; SOME MAJORS/DEGREE PROGRAMS MAY SET HIGHER STANDARDS.  
 EVERY SECTION MEETS IN A COMPUTER LAB AT LEAST ONE DAY PER WEEK. EXCEPT FOR THE LAPTOP SECTIONS, THE OTHER MEETING(S) WILL BE IN A TRADITIONAL CLASSROOM.

3299005 CA MWF 8:00-8:50  
 MEETS: AUG 26-DEC 20  
 Note: SEC. CA IS LIKELY TO MEET ALL DAYS IN THE COMM BLDG LAPTOP LAB. LAPTOP COMPUTERS ARE PROVIDED.

3299010 CB MWF 11:00-11:50  
 MEETS: AUG 26-DEC 20  
 Note: SEC. CB IS LIKELY TO MEET ALL DAYS IN THE COMM BLDG LAPTOP LAB. LAPTOP COMPUTERS ARE PROVIDED.

3299015 CC MWF 2:10-3:00  
 MEETS: AUG 26-DEC 20  
 Note: SEC. CC IS LIKELY TO MEET ALL DAYS IN THE COMM BLDG LAPTOP LAB. LAPTOP COMPUTERS ARE PROVIDED. RESTRICTED TO COLLEGE OF ENGR MAJORS ONLY

3299020 CD MWF 3:10-4:00  
 MEETS: AUG 26-DEC 20  
 Note: SEC. CD IS LIKELY TO MEET ALL DAYS IN THE COMM BLDG LAPTOP LAB. LAPTOP COMPUTERS ARE PROVIDED.

3299030 CF TR 11:00-12:20  
 MEETS: AUG 26-DEC 20  
 Note: SEC. CF IS LIKELY TO MEET ALL DAYS IN THE COMM BLDG LAPTOP LAB. LAPTOP COMPUTERS ARE PROVIDED.

3299035 CG TR 12:40-2:00  
 MEETS: AUG 26-DEC 20  
 Note: SEC. CG IS LIKELY TO MEET BOTH DAYS IN THE COMM BLDG LAPTOP LAB. LAPTOP COMPUTERS ARE PROVIDED.

3299070 MA T 3:40-5:00  
 R 3:40-5:00  
 MEETS: AUG 26-DEC 20  
 Note: SEC. MA WILL LIKELY MEET IN A MAPLE-WILLOW -LARCH COMPUTER LAB ON THURSDAYS

3299075 MB T 2:10-3:30  
 R 2:10-3:30  
 MEETS: AUG 26-DEC 20  
 Note: SEC. MB WILL LIKELY MEET IN A MAPLE-WILLOW -LARCH COMPUTER LAB ON THURSDAYS

3299080 NA MWF 8:00-8:50  
 MEETS: AUG 26-DEC 20  
 Note: SEC. NA MEETS ALL DAYS IN ROSS HALL LAPTOP LAB. LAPTOP COMPUTERS ARE PROVIDED. RESTRICTED TO C E MAJORS

3299085 NB MWF 9:00-9:50  
 MEETS: AUG 26-DEC 20  
 Note: SEC. NB MEETS ALL DAYS IN ROSS HALL LAPTOP LAB. LAPTOP COMPUTERS ARE PROVIDED. RESTRICTED TO A ECL, AN S, ANSPV, BIOL, BIOLA, DY S, DYSPV, GEN, GEN S, NREM, GENPV MAJORS

3299090 NC MWF 10:00-10:50  
 MEETS: AUG 26-DEC 20  
 Note: SEC. NC MEETS ALL DAYS IN ROSS HALL LAPTOP LAB.

WRIT,ORAL,EL COMPOS ENGL 250 3 CREDITS  
 LAPTOP COMPUTERS ARE PROVIDED.  
 RESTRICTED TO A ECL, AN S, ANSPV, BIOL, BIOLA, DY S, DYSPV, GEN, GEN S, NREM, GENPV MAJORS

3299095 ND MWF 11:00-11:50  
 MEETS: AUG 26-DEC 20  
 Note: SEC. ND MEETS ALL DAYS IN ROSS HALL LAPTOP LAB. LAPTOP COMPUTERS ARE PROVIDED.

3299100 NE MWF 12:10-1:00  
 MEETS: AUG 26-DEC 20  
 Note: LEC. NE MEETS ALL DAYS IN ROSS HALL LAPTOP LAB. LAPTOP COMPUTERS ARE PROVIDED. SPECIAL TOPIC: COR

3299110 NG MWF 2:10-3:00  
 MEETS: AUG 26-DEC 20  
 Note: SEC. NG MEETS ALL DAYS IN ROSS HALL LAPTOP LAB. LAPTOP COMPUTERS ARE PROVIDED.

3299115 NH MWF 3:10-4:00  
 MEETS: AUG 26-DEC 20  
 Note: SEC. NH MEETS ALL DAYS IN ROSS HALL LAPTOP LAB. LAPTOP COMPUTERS ARE PROVIDED.

3299120 NJ MWF 4:10-5:00  
 MEETS: AUG 26-DEC 20  
 Note: SEC. NJ MEETS ALL DAYS IN ROSS HALL LAPTOP LAB. LAPTOP COMPUTERS ARE PROVIDED.

3299125 NK TR 8:00-9:20  
 MEETS: AUG 26-DEC 20  
 Note: SEC. NK MEETS BOTH DAYS IN ROSS HALL LAPTOP LAB. LAPTOP COMPUTERS ARE PROVIDED.

3299130 NL TR 9:30-10:50  
 MEETS: AUG 26-DEC 20  
 Note: SEC. NL MEETS BOTH DAYS IN ROSS HALL LAPTOP LAB. LAPTOP COMPUTERS ARE PROVIDED. RESTRICTED TO ADVRT, COMST, JL MC, P R MAJORS

3299135 NM TR 11:00-12:20  
 MEETS: AUG 26-DEC 20  
 Note: SEC. NM MEETS BOTH DAYS IN ROSS HALL LAPTOP LAB. LAPTOP COMPUTERS ARE PROVIDED. RESTRICTED TO AGBIO, BIOCH, BIOL, BIOLA, GEN, GEN S, GENET, MICR MAJORS

3299140 NN TR 12:40-2:00  
 MEETS: AUG 26-DEC 20  
 Note: SEC. NN MEETS BOTH DAYS IN ROSS HALL LAPTOP LAB. LAPTOP COMPUTERS ARE PROVIDED.

3299145 NP TR 2:10-3:30  
 MEETS: AUG 26-DEC 20  
 Note: SEC. NP MEETS BOTH DAYS IN ROSS HALL LAPTOP LAB. LAPTOP COMPUTERS ARE PROVIDED.

3299150 NQ TR 3:40-5:00  
 MEETS: AUG 26-DEC 20  
 Note: SEC. NQ MEETS BOTH DAYS IN ROSS HALL LAPTOP LAB. LAPTOP COMPUTERS ARE PROVIDED.

3299550 PA TR 8:00-9:20  
 MEETS: AUG 26-DEC 20  
 Note: SEC. PA MEETS BOTH DAYS IN ROSS HALL LAPTOP LAB. LAPTOP COMPUTERS ARE PROVIDED.

3299560 PB TR 3:40-6:20PM  
 MEETS: AUG 26-OCT 18  
 Note: SEC. PB IS A FIRST-HALF SEMESTER SECTION THAT STARTS ON AUGUST 22. DUE TO THE CONDENSED NATURE OF THIS SECTION (8 WKS), REGULAR ATTENDANCE IS CRITICAL. SEC. PB IS LIKELY TO MEET BOTH DAYS IN ROSS HALL COMPUTER ROOM. TO ADD THIS SECTION DURING THE FIRST WEEK OF CLASSES, OBTAIN SIGNATURE FROM DEANNA STUMBO, 229 ROSS HALL. Department permission required 1st week.

3299565 PC TR 3:40-6:20PM  
 MEETS: OCT 21-DEC 20  
 Note: SEC. PC IS A SECOND-HALF SEMESTER SECTION THAT STARTS ON OCTOBER 16. DUE TO THE CONDENSED NATURE OF THIS SECTION (8 WKS), REGULAR ATTENDANCE IS CRITICAL. SEC. PC IS LIKELY TO MEET BOTH DAYS IN ROSS HALL COMPUTER ROOM. TO ADD THIS SECTION DURING THE FIRST WEEK OF CLASSES, OBTAIN SIGNATURE FROM DEANNA STUMBO, 229 ROSS HALL. Department permission required 1st week.

3299570 PD MWF 9:00-9:50  
 MEETS: AUG 26-DEC 20  
 Note: SEC. PD MEETS ALL DAYS IN ROSS HALL LAPTOP LAB. LAPTOP COMPUTERS ARE PROVIDED. RESTRICTED TO BIOL, BIOLA, BPM I, ENGL, JL MC, TCOMM

3299575 PE MWF 11:00-11:50  
 MEETS: AUG 26-DEC 20  
 Note: SEC. PE MEETS ALL DAYS IN THE ROSS HALL LAPTOP LAB. COMPUTERS ARE PROVIDED. RESTRICTED TO COM S, CPR E, E E, S E MAJORS

3299580 PF MWF 12:10-1:00  
 MEETS: AUG 26-DEC 20  
 Note: SEC PF MEETS ALL DAYS IN THE ROSS HALL LAPTOP LAB. COMPUTERS ARE PROVIDED. RESTRICTED TO COM S, CPR E, E E, S E MAJORS

3299585 PG MWF 10:00-10:50  
 MEETS: AUG 26-DEC 20  
 Note: SEC PG MEETS ALL DAYS IN ROSS HALL LAPTOP LAB. LAPTOP COMPUTERS ARE PROVIDED.

3299595 PJ MWF 2:10-3:00  
 MEETS: AUG 26-DEC 20  
 Note: SEC PJ MEETS ALL DAYS IN ROSS HALL LAPTOP LAB. LAPTOP COMPUTERS ARE PROVIDED.

3299600 PK MW 3:10-6:00PM  
 MEETS: AUG 26-OCT 18  
 Note: SEC PK IS A FIRST-HALF SEMESTER SECTION THAT STARTS ON AUGUST 20. DUE TO THE CONDENSED NATURE OF THIS SECTION (8 WKS), REGULAR ATTENDANCE IS CRITICAL.

ENGLISH

(CONTINUED)

WRIT,ORAL,EL COMPOS ENGL 250 3 CREDITS  
 SEC. PK IS LIKELY TO MEET BOTH DAYS IN ROSS HALL  
 LAPTOP LAB. TO ADD THIS SECTION DURING THE FIRST  
 WEEK OF CLASSES, OBTAIN SIGNATURE FROM DEANNA  
 STUMBO, 229 ROSS HALL.  
 Department permission required 1st week.  
 3299605 PL MW 3:10-6:00PM  
 MEETS: OCT 21-DEC 20  
 Note: SEC PL IS A SECOND-HALF SEMESTER SECTION THAT  
 STARTS ON OCTOBER 15. DUE TO THE CONDENSED NATURE OF  
 THIS SECTION (8 WKS), REGULAR ATTENDANCE IS CRITICAL.  
 SEC. PL IS LIKELY TO MEET BOTH DAYS IN ROSS HALL  
 LAPTOP LAB. TO ADD THIS SECTION DURING THE FIRST  
 WEEK OF CLASSES, OBTAIN SIGNATURE FROM DEANNA  
 STUMBO, 229 ROSS HALL.  
 Department permission required 1st week.  
 3299610 PM MWF 8:00-8:50  
 MEETS: AUG 26-DEC 20  
 Note: SEC PM MEETS ALL DAYS IN ROSS HALL LAPTOP LAB.  
 LAPTOP COMPUTERS ARE PROVIDED.  
 3299650 RA MWF 8:00-8:50  
 MEETS: AUG 26-DEC 20  
 Note: SEC RA MEETS ALL DAYS IN ROSS HALL LAPTOP LAB.  
 LAPTOP COMPUTERS ARE PROVIDED.  
 3299655 RB MWF 9:00-9:50  
 MEETS: AUG 26-DEC 20  
 Note: SEC RB MEETS ALL DAYS IN ROSS HALL LAPTOP LAB.  
 LAPTOP COMPUTERS ARE PROVIDED.  
 RESTRICTED TO AN S, A ECL, DY S, DYSVP, BIOL, BIOLA,  
 NREM, P VET MAJORS ONLY  
 3299660 RC MWF 10:00-10:50  
 MEETS: AUG 26-DEC 20  
 Note: SEC RC MEETS ALL DAYS IN ROSS HALL LAPTOP LAB.  
 LAPTOP COMPUTERS ARE PROVIDED.  
 3299665 RD MWF 12:10-1:00  
 MEETS: AUG 26-DEC 20  
 Note: SEC RD MEETS ALL DAYS IN ROSS HALL LAPTOP LAB.  
 LAPTOP COMPUTERS ARE PROVIDED.  
 RESTRICTED TO AN S, A ECL, DY S, DYSVP, BIOL, BIOLA,  
 NREM, P VET MAJORS ONLY  
 3299675 RF MWF 2:10-3:00  
 MEETS: AUG 26-DEC 20  
 Note: SEC RF MEETS ALL DAYS IN ROSS HALL LAPTOP LAB.  
 LAPTOP COMPUTERS ARE PROVIDED.  
 3299680 RG MWF 3:10-4:00  
 MEETS: AUG 26-DEC 20  
 Note: SEC RG MEETS ALL DAYS IN ROSS HALL LAPTOP LAB.  
 LAPTOP COMPUTERS ARE PROVIDED.  
 3299685 RH MWF 4:10-5:00  
 MEETS: AUG 26-DEC 20  
 Note: SEC RH MEETS ALL DAYS IN ROSS HALL LAPTOP LAB.  
 LAPTOP COMPUTERS ARE PROVIDED.  
 3299690 RJ TR 8:00-9:20  
 MEETS: AUG 26-DEC 20  
 Note: SEC RJ MEETS BOTH DAYS IN ROSS HALL LAPTOP LAB.  
 LAPTOP COMPUTERS ARE PROVIDED.  
 3299695 RK TR 11:00-12:20  
 MEETS: AUG 26-DEC 20  
 Note: SEC RK MEETS BOTH DAYS IN ROSS HALL LAPTOP LAB.  
 LAPTOP COMPUTERS ARE PROVIDED.  
 RESTRICTED TO ANSPV, BIOCH, BIOL, BIOLA, GEN, GEN S,  
 MICR, MICRO, P MED, GENPV, P VET MAJORS  
 3299700 RL TR 12:40-2:00  
 MEETS: AUG 26-DEC 20  
 Note: SEC RL MEETS BOTH DAYS IN ROSS HALL LAPTOP LAB.  
 LAPTOP COMPUTERS ARE PROVIDED.  
 3299705 RM TR 2:10-3:30  
 MEETS: AUG 26-DEC 20  
 Note: SEC RM MEETS BOTH DAYS IN ROSS HALL LAPTOP LAB.  
 LAPTOP COMPUTERS ARE PROVIDED.  
 3299710 RN TR 3:40-5:00  
 MEETS: AUG 26-DEC 20  
 Note: SEC RN MEETS BOTH DAYS IN ROSS HALL LAPTOP LAB.  
 LAPTOP COMPUTERS ARE PROVIDED.  
 3299715 RP TR 9:30-10:50  
 MEETS: AUG 26-DEC 20  
 Note: SEC RP MEETS BOTH DAYS IN ROSS HALL LAPTOP LAB.  
 LAPTOP COMPUTERS ARE PROVIDED.  
 3299750 SA MWF 11:00-11:50  
 MEETS: AUG 26-DEC 20  
 Note: SEC SA MEETS ALL DAYS IN ROSS HALL LAPTOP LAB.  
 LAPTOP COMPUTERS ARE PROVIDED.  
 3299760 SC MWF 4:10-5:00  
 MEETS: AUG 26-DEC 20  
 Note: SEC SC MEETS ALL DAYS IN ROSS HALL LAPTOP LAB.  
 LAPTOP COMPUTERS ARE PROVIDED.  
 3299765 SD MWF 8:00-8:50  
 MEETS: AUG 26-DEC 20  
 Note: SEC SD MEETS ALL DAYS IN ROSS HALL LAPTOP LAB.  
 LAPTOP COMPUTERS ARE PROVIDED.  
 3299770 SE MWF 9:00-9:50  
 MEETS: AUG 26-DEC 20  
 Note: SEC SE MEETS ALL DAYS IN ROSS HALL LAPTOP LAB.  
 LAPTOP COMPUTERS ARE PROVIDED.  
 3299775 SF TR 2:10-3:30  
 MEETS: AUG 26-DEC 20  
 Note: SEC SF MEETS BOTH DAYS IN ROSS HALL LAPTOP LAB.  
 LAPTOP COMPUTERS ARE PROVIDED.  
 3299780 SG TR 3:40-5:00  
 MEETS: AUG 26-DEC 20  
 Note: SEC SG MEETS BOTH DAYS IN ROSS HALL LAPTOP LAB.  
 LAPTOP COMPUTERS ARE PROVIDED.  
 3299785 SH TR 9:30-10:50  
 MEETS: AUG 26-DEC 20  
 Note: SEC SH MEETS BOTH DAYS IN ROSS HALL LAPTOP LAB.  
 LAPTOP COMPUTERS ARE PROVIDED.

ENGLISH

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WRIT,ORAL,EL COMPOS ENGL 250 3 CREDITS  
 3299795 SK MWF 12:10-1:00  
 MEETS: AUG 26-DEC 20  
 Note: SEC SK MEETS BOTH DAYS IN ROSS HALL LAPTOP LAB.  
 LAPTOP COMPUTERS ARE PROVIDED.  
 3299796 SL T 11:00-12:20  
 R 11:00-12:20  
 MEETS: AUG 26-DEC 20  
 Note: SEC SL MEETS BOTH DAYS IN ROSS HALL LAPTOP LAB.  
 LAPTOP COMPUTERS ARE PROVIDED.  
 3299797 SM T 12:40-2:00  
 R 12:40-2:00  
 MEETS: AUG 26-DEC 20  
 Note: SEC SM MEETS BOTH DAYS IN ROSS HALL LAPTOP LAB.  
 LAPTOP COMPUTERS ARE PROVIDED.  
 3299798 SN T 8:00-9:20  
 R 8:00-9:20  
 MEETS: AUG 26-DEC 20  
 Note: SEC SN MEETS BOTH DAYS IN ROSS HALL LAPTOP LAB.  
 LAPTOP COMPUTERS ARE PROVIDED.  
 3299799 SP MWF 2:10-3:00  
 MEETS: AUG 26-DEC 20  
 Note: SEC SP MEETS ALL DAYS IN ROSS HALL LAPTOP LAB.  
 LAPTOP COMPUTERS ARE PROVIDED.  
 3299801 SQ MWF 3:10-4:00  
 MEETS: AUG 26-DEC 20  
 Note: SEC SQ MEETS ALL DAYS IN ROSS HALL LAPTOP LAB.  
 LAPTOP COMPUTERS ARE PROVIDED.  
 3299170 VA T 8:00-9:20  
 R 8:00-9:20  
 MEETS: AUG 26-DEC 20  
 Note: SEC VA IS LIKELY TO MEET THURSDAYS IN A  
 ROSS HALL COMPUTER LAB  
 3299860 VB T 2:10-3:30  
 R 2:10-3:30  
 MEETS: AUG 26-DEC 20  
 Note: SEC VB IS LIKELY TO MEET IN A ROSS HALL  
 COMPUTER LAB ON THURSDAYS  
 3299865 VC T 3:40-5:00  
 R 3:40-5:00  
 MEETS: AUG 26-DEC 20  
 Note: SEC VC IS LIKELY TO MEET IN A ROSS HALL  
 COMPUTER LAB ON THURSDAYS  
 3299870 VD T 3:40-5:00  
 R 3:40-5:00  
 MEETS: AUG 26-DEC 20  
 Note: SEC VD IS LIKELY TO MEET IN A ROSS HALL  
 COMPUTER LAB ON WEDNESDAYS  
 3299875 VF MF 9:00-9:50  
 W 9:00-9:50  
 MEETS: AUG 26-DEC 20  
 Note: SEC VF IS LIKELY TO MEET IN A ROSS HALL  
 COMPUTER LAB ON WEDNESDAYS  
 3299895 VK T 11:00-12:20  
 R 11:00-12:20  
 MEETS: AUG 26-DEC 20  
 Note: SEC VK IS LIKELY TO MEET THURSDAYS IN A  
 ROSS HALL COMPUTER LAB  
 HONORS WRI,ELE COMP ENGL 250H 3 CREDITS  
 Prereq: EXEMPTION FROM ENGL 150, ADMISSION TO  
 FRESHMAN HONORS PROGRAM; CREDIT FOR OR CONCURRENT  
 IN LIB 160  
 Note: THE UNIVERSITY REQUIRES A MINIMUM GRADE OF C IN  
 ENGL 250 TO MEET THE COMMUNICATION PROFICIENCY  
 GRADUATION REQUIREMENT; SOME MAJORS/DEGREE PROGRAMS  
 MAY SET HIGHER STANDARDS.  
 EVERY SECTION MEETS IN A COMPUTER LAB AT LEAST ONE  
 DAY PER WEEK. EXCEPT FOR THE LABTOP SECTIONS, THE  
 OTHER MEETING(S) WILL BE IN A TRADITIONAL CLASSROOM.  
 RESTRICTED TO MEMBERS OF THE UNIVERSITY HONORS  
 PROGRAM ONLY.  
 3300100 PA TR 12:40-2:00  
 MEETS: AUG 26-DEC 20  
 Note: SEC PA MEETS BOTH DAYS IN ROSS HALL LAPTOP LAB.  
 LAPTOP COMPUTERS ARE PROVIDED.  
 3300110 PB TR 9:30-10:50  
 MEETS: AUG 26-DEC 20  
 Note: SEC PB MEETS BOTH DAYS IN ROSS HALL LAPTOP LAB.  
 LAPTOP COMPUTERS ARE PROVIDED.  
 3300120 PC TR 2:10-3:30  
 MEETS: AUG 26-DEC 20  
 Note: SEC PC MEETS BOTH DAYS IN ROSS HALL LAPTOP LAB.  
 LAPTOP COMPUTERS ARE PROVIDED.  
 3300125 PD TR 11:00-12:20  
 MEETS: AUG 26-DEC 20  
 Note: SEC PD MEETS BOTH DAYS IN ROSS HALL LAPTOP LAB.  
 LAPTOP COMPUTERS ARE PROVIDED.  
 3300205 RA MWF 11:00-11:50  
 MEETS: AUG 26-DEC 20  
 Note: SEC RA MEETS ALL DAYS IN ROSS HALL LAPTOP LAB.  
 LAPTOP COMPUTERS ARE PROVIDED.  
 3300300 SA MWF 10:00-10:50  
 MEETS: AUG 26-DEC 20  
 3300400 TA M 9:00-9:50  
 WF 9:00-9:50  
 MEETS: AUG 26-DEC 20  
 Note: SEC TA IS LIKELY TO MEET IN A ROSS HALL  
 COMPUTER ROOM ON MONDAYS  
 3300405 TB M 10:00-10:50  
 WF 10:00-10:50  
 MEETS: AUG 26-DEC 20  
 Note: SEC TB IS LIKELY TO MEET IN A ROSS HALL  
 COMPUTER ROOM ON MONDAYS

## ENGLISH

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HONORS WRI,ELE COMP ENGL 250H 3 CREDITS  
 3300410 TC T 9:30-10:50  
 R 9:30-10:50  
 MEETS: AUG 26-DEC 20  
 Note: SEC. TC IS LIKELY TO MEET IN A ROSS HALL  
 COMPUTER ROOM ON TUESDAYS

3300415 TD T 11:00-12:20  
 R 11:00-12:20  
 MEETS: AUG 26-DEC 20  
 Note: SEC. TD IS LIKELY TO MEET IN A ROSS HALL  
 COMPUTER ROOM ON TUESDAYS

3300420 TE T 12:40-2:00  
 R 12:40-2:00  
 MEETS: AUG 26-DEC 20  
 Note: SEC. TE IS LIKELY TO MEET IN A ROSS HALL  
 COMPUTER ROOM ON TUESDAYS

3300220 VA M 2:10-3:00  
 WF 2:10-3:00  
 MEETS: AUG 26-DEC 20  
 Note: SEC. VA IS LIKELY TO MEET IN A ROSS HALL  
 COMPUTER ROOM ON MONDAYS

3300225 VB M 3:10-4:00  
 WF 3:10-4:00  
 MEETS: AUG 26-DEC 20  
 Note: SEC. VB IS LIKELY TO MEET IN A ROSS HALL  
 COMPUTER ROOM ON MONDAYS

3300235 VD T 2:10-3:30  
 R 2:10-3:30  
 MEETS: AUG 26-DEC 20  
 Note: SEC. VD IS LIKELY TO MEET IN A ROSS HALL  
 COMPUTER ROOM ON TUESDAYS

INTRO LITERARY STDY ENGL 260 3 CREDITS  
 Prereq: CREDIT IN OR EXEMPTION FROM ENGL 150

3306005 A1 TR 2:10-3:30  
 MEETS: AUG 26-DEC 20  
 Note: SEC A1 RESTRICTED TO ENGL, TCOMM MAJORS ONLY

3306020 A2 TR 2:10-3:30  
 MEETS: AUG 26-DEC 20  
 Note: SEC A2 RESTRICTED TO MAJORS OTHER THAN ENGL,  
 TCOMM

ANLYS POP CULTR TXT ENGL 275 3 CREDITS  
 Prereq: ENGL 250 OR EQUIVALENT

3305005 1 TR 8:00-9:20  
 MEETS: AUG 26-DEC 20

3305010 2 MWF 11:00-11:50  
 MEETS: AUG 26-DEC 20

BUSINESS COMMUNICAT ENGL 302 3 CREDITS  
 Prereq: ENGL 250, JUNIOR CLASSIFICATION  
 Note: MOST SEC WILL MEET IN A COMPUTER LAB  
 AT LEAST ONE DAY PER WEEK. COURSE RESTRICTED TO  
 JUNIORS AND ABOVE.

3314005 1 M 8:00-8:50  
 WF 8:00-8:50  
 MEETS: AUG 26-DEC 20  
 Note: SEC 1 IS LIKELY TO MEET IN A ROSS HALL  
 COMPUTER ROOM ON MONDAYS

3314010 2 MW 8:00-8:50  
 F 8:00-8:50  
 MEETS: AUG 26-DEC 20  
 Note: SEC 2 IS LIKELY TO MEET IN A ROSS HALL  
 COMPUTER ROOM ON FRIDAYS

3314015 3 M 9:00-9:50  
 WF 9:00-9:50  
 MEETS: AUG 26-DEC 20  
 Note: SEC 3 IS LIKELY TO MEET IN A ROSS HALL  
 COMPUTER ROOM ON MONDAYS  
 THIS SECTION IS RESTRICTED TO BUSINESS COLLEGE  
 JUNIORS & SENIORS

3314020 4 MWF 9:00-9:50  
 MEETS: AUG 26-DEC 20  
 Note: SEC 4 IS LIKELY TO MEET ALL DAYS IN  
 THE COMMUNICATIONS BLDG. RESTRICTED TO BUSINESS  
 COLLEGE JUNIORS AND SENIORS.

3314025 5 M 10:00-10:50  
 WF 10:00-10:50  
 MEETS: AUG 26-DEC 20  
 Note: SEC 5 IS LIKELY TO MEET IN A ROSS HALL  
 COMPUTER ROOM ON MONDAYS  
 RESTRICTED TO COLLEGE OF BUSINESS JUNIORS  
 & ABOVE

3314030 6 MWF 10:00-10:50  
 MEETS: AUG 26-DEC 20  
 Note: SEC 6 IS LIKELY TO MEET ALL DAYS IN  
 THE COMMUNICATIONS BLDG. RESTRICTED TO BUSINESS  
 COLLEGE JUNIORS AND SENIORS.

3314035 7 MW 11:00-11:50  
 F 11:00-11:50  
 MEETS: AUG 26-DEC 20  
 Note: SEC 7 IS LIKELY TO MEET IN A ROSS  
 COMPUTER ROOM ON MONDAYS

3314040 8 MW 11:00-11:50  
 F 11:00-11:50  
 MEETS: AUG 26-DEC 20  
 Note: SEC 8 IS LIKELY TO MEET IN A ROSS HALL  
 COMPUTER ROOM ON FRIDAYS

3314045 9 MW 12:10-1:00  
 F 12:10-1:00  
 MEETS: AUG 26-DEC 20  
 Note: SEC 9 IS LIKELY TO MEET IN THE  
 COMMUNICATIONS BLDG. RESTRICTED TO BUSINESS  
 COLLEGE JUNIORS AND SENIORS.

## ENGLISH

(CONTINUED)

BUSINESS COMMUNICAT ENGL 302 3 CREDITS  
 3314050 10 MW 12:10-1:00  
 F 12:10-1:00  
 MEETS: AUG 26-DEC 20  
 Note: SEC 11 IS LIKELY TO MEET IN A ROSS  
 COMPUTER ROOM ON FRIDAYS

3314055 11 MW 2:10-3:00  
 F 2:10-3:00  
 MEETS: AUG 26-DEC 20  
 Note: SEC 11 IS LIKELY TO MEET IN A ROSS  
 COMPUTER ROOM ON FRIDAYS

3314060 12 WF 2:10-3:00  
 M 2:10-3:00  
 MEETS: AUG 26-DEC 20  
 Note: SEC 11 IS LIKELY TO MEET IN A ROSS M  
 COMPUTER ROOM ON MONDAYS

3314065 13 MW 2:10-3:00  
 F 2:10-3:00  
 MEETS: AUG 26-DEC 20  
 Note: SEC 13 IS LIKELY TO MEET IN A ROSS HALL  
 COMPUTER ROOM ON FRIDAYS

3314070 14 MW 3:10-4:00  
 F 3:10-4:00  
 MEETS: AUG 26-DEC 20  
 Note: SEC 14 IS LIKELY TO MEET IN A ROSS  
 COMPUTER ROOM ON FRIDAYS. RESTRICTED TO  
 BUSINESS JUNIORS & SENIORS ONLY

3314075 15 T 8:00-9:20  
 R 8:00-9:20  
 MEETS: AUG 26-DEC 20  
 Note: SEC 15 IS LIKELY TO MEET IN A ROSS HALL  
 COMPUTER ROOM ON TUESDAYS

3314080 16 TR 8:00-9:20  
 MEETS: AUG 26-DEC 20  
 Note: SEC 16 IS LIKELY TO MEET BOTH DAYS IN  
 THE COMMUNICATIONS BUILDING. RESTRICTED TO  
 JUNIORS & SENIORS

3314085 17 T 9:30-10:50  
 R 9:30-10:50  
 MEETS: AUG 26-DEC 20  
 Note: SEC 17 IS LIKELY TO MEET IN A ROSS  
 COMPUTER ROOM ON TUESDAYS

3314090 18 TR 8:00-9:20  
 MEETS: AUG 26-DEC 20  
 Note: SEC 18 IS LIKELY TO MEET BOTH DAYS IN  
 THE COMMUNICATIONS BUILDING. RESTRICTED TO  
 BUSINESS COLLEGE JUNIORS AND SENIORS.

3314095 19 T 11:00-12:20  
 R 11:00-12:20  
 MEETS: AUG 26-DEC 20  
 Note: SEC 19 IS LIKELY TO MEET IN A ROSS HALL  
 COMPUTER ROOM ON TUESDAYS

3314100 20 T 11:00-12:20  
 R 11:00-12:20  
 MEETS: AUG 26-DEC 20  
 Note: SEC 20 IS LIKELY TO MEET IN A ROSS HALL  
 COMPUTER ROOM ON THURSDAYS

3314105 21 WF 12:10-1:00  
 M 12:10-1:00  
 MEETS: AUG 26-DEC 20  
 Note: SEC 21 IS LIKELY TO MEET IN A ROSS HALL  
 COMPUTER ROOM ON MONDAYS  
 RESTRICTED TO COLLEGE OF BUSINESS JUNIORS  
 & ABOVE

3314110 22 T 12:40-2:00  
 R 12:40-2:50  
 MEETS: AUG 26-DEC 20  
 Note: SEC 22 IS LIKELY TO MEET IN A ROSS HALL  
 COMPUTER ROOM ON THURSDAYS

3314115 23 R 12:40-2:00  
 T 12:40-2:00  
 MEETS: AUG 26-DEC 20  
 Note: SEC 23 IS LIKELY TO MEET IN A ROSS  
 COMPUTERE ROOM ON TUESDAYS. RESTRICTED TO  
 BUSINESS COLLEGE JUNIORS AND SENIORS.

3314120 24 R 11:00-12:40  
 T 11:00-12:40  
 MEETS: AUG 26-DEC 20  
 Note: SEC 24 IS LIKELY TO MEET IN A ROSS HALL  
 COMPUTER ROOM ON TUESDAYS

3314125 25 R 2:10-3:30  
 T 2:10-3:30  
 MEETS: AUG 26-DEC 20  
 Note: SEC 25 IS LIKELY TO MEET IN A ROSS HALL  
 COMPUTER ROOM ON TUESDAYS

3314130 26 TR 2:10-3:30  
 MEETS: AUG 26-DEC 20  
 Note: SEC 26 IS LIKELY TO MEET ALL DAYS IN  
 THE COMMUNICATIONS BLDG. RESTRICTED TO BUSINESS  
 COLLEGE JUNIORS AND SENIORS.

3314135 27 R 3:40-5:00  
 T 3:40-5:00  
 MEETS: AUG 26-DEC 20  
 Note: SEC 27 IS LIKELY TO MEET IN A ROSS HALL  
 COMPUTER ROOM ON TUESDAYS

3314140 28 R 12:40-2:00  
 T 12:40-2:00  
 MEETS: AUG 26-DEC 20  
 Note: SEC 28 IS LIKELY TO MEET IN A ROSS HALL  
 COMPUTER ROOM ON THURSDAYS

3314145 29 WF 9:00-9:50  
 M 9:00-9:50  
 MEETS: AUG 26-DEC 20  
 Note: SEC 29 IS LIKELY TO MEET IN A ROSS HALL  
 COMPUTER ROOM ON WEDNESDAY.

## ENGLISH (CONTINUED)

BUSINESS COMMUNICAT ENGL 302 3 CREDITS  
 3314150 30 MF 10:00-10:50  
 W 10:00-10:50  
 MEETS: AUG 26-DEC 20  
 Note: SEC 30 IS LIKELY TO MEET IN A ROSS HALL  
 COMPUTER ROOM ON WEDNESDAYS. RESTRICTED TO  
 BUSINESS COLLEGE JUNIORS & SENIORS  
 3314155 31 TR 3:40-5:00  
 MEETS: AUG 26-DEC 20  
 Note: SEC 31 IS LIKELY TO MEET ALL DAYS IN  
 THE COMMUNICATIONS BLDG. RESTRICTED TO BUSINESS  
 COLLEGE JUNIORS AND SENIORS.  
 3314160 32 MF 11:00-11:50  
 W 11:00-11:50  
 MEETS: AUG 26-DEC 20  
 Note: SEC 32 IS LIKELY TO MEET IN A ROSS HALL  
 COMPUTER ROOM ON WEDNESDAYS  
 3314165 33 MF 8:00-8:50  
 W 8:00-8:50  
 MEETS: AUG 26-DEC 20  
 Note: SEC 33 IS LIKELY TO MEET IN A ROSS HALL  
 COMPUTER ROOM ON WEDNESDAYS  
 3314170 34 MF 9:00-9:50  
 W 9:00-9:50  
 MEETS: AUG 26-DEC 20  
 Note: SEC 34 IS LIKELY TO MEET IN A ROSS HALL  
 COMPUTER ROOM ON WEDNESDAYS  
 3314185 35 MW 9:00-9:50  
 F 9:00-9:50  
 MEETS: AUG 26-DEC 20  
 Note: SEC 35 IS LIKELY TO MEET IN A ROSS HALL  
 COMPUTER ROOM ON FRIDAYS

HONORS BUS COMMUNIC ENGL 302H 3 CREDITS  
 Prereq: ENGL 250, JR CLASSIFICATION. FOR UNIV  
 HONORS PROGRAM STUDENTS ONLY.  
 Note: COURSE RESTRICTED TO JUNIORS AND SENIORS WHO  
 ARE MEMBERS OF THE UNIVERSITY HONORS PROGRAM. OTHER  
 QUALIFIED STUDENTS MAY CONTACT THE DEPARTMENT FOR  
 PERMISSION TO REGISTER.  
 7402005 1 MW 9:00-9:50  
 F 9:00-9:50  
 MEETS: AUG 26-DEC 20

CREAT WRITING:FICTN ENGL 304 3 CREDITS  
 Prereq: ENGL 250, NOT OPEN TO FRESHMEN  
 Note: COURSE NOT OPEN TO FRESHMEN  
 3316005 1 TR 12:40-2:00  
 MEETS: AUG 26-DEC 20  
 3316010 2 TR 2:10-3:30  
 MEETS: AUG 26-DEC 20

CREAT WRITING:NON-F ENGL 305 3 CREDITS  
 Prereq: ENGL 250, NOT OPEN TO FRESHMEN  
 Note: COURSE RESTRICTED TO SOPHOMORES AND ABOVE  
 3317005 1 MW 3:40-5:00  
 MEETS: AUG 26-DEC 20

CREAT WRITING:POET ENGL 306 3 CREDITS  
 Prereq: ENGL 250, NOT OPEN TO FRESHMEN  
 Note: COURSE RESTRICTED TO SOPHOMORES AND ABOVE  
 3318005 1 TR 2:10-3:30  
 MEETS: AUG 26-DEC 20

WRITE LIKE A WOMAN ENGL 308 3 CREDITS  
 Prereq: ENGL 250  
 Note: COURSE NOT OPEN TO FRESHMEN  
 8473005 1 MWF 10:00-10:50  
 MEETS: AUG 26-DEC 20

PROPOS&RPRT WRITNG ENGL 309 3 CREDITS  
 Prereq: ENGL 250, JUNIOR CLASSIFICATION  
 8089005 A1 WF 9:00-9:50  
 M 9:00-9:50  
 MEETS: AUG 26-DEC 20  
 Note: SEC A1 WILL LIKELY MEET IN A ROSS HALL  
 COMPUTER ROOM ON MONDAYS. RESTRICTED TO ENGL, TCOMM  
 MAJORS ONLY.  
 8089010 A2 WF 9:00-9:50  
 M 9:00-9:50  
 MEETS: AUG 26-DEC 20  
 Note: SEC A2 WILL LIKELY MEET IN A ROSS HALL  
 COMPUTER ROOM ON MONDAYS. RESTRICTED TO MAJORS  
 OTHER THAN ENGL, TCOMM.  
 8089020 B2 R 9:30-10:50  
 T 9:30-10:50  
 MEETS: AUG 26-DEC 20  
 Note: SEC B2 WILL LIKELY MEET IN A ROSS HALL  
 COMPUTER ROOM ON TUESDAYS  
 8089025 C1 R 12:40-2:00  
 T 12:40-2:00  
 MEETS: AUG 26-DEC 20  
 Note: SEC C1 WILL LIKELY MEET IN A ROSS HALL  
 COMPUTER ROOM ON TUESDAYS.  
 8089030 C2 R 12:40-2:00  
 T 12:40-2:00  
 MEETS: AUG 26-DEC 20  
 Note: SEC C2 WILL LIKELY MEET IN A ROSS HALL  
 COMPUTER ROOM ON TUESDAYS.  
 8089035 D1 MF 12:10-1:00  
 W 12:10-1:00  
 MEETS: AUG 26-DEC 20  
 Note: SEC D1 WILL LIKELY MEET IN A ROSS HALL  
 COMPUTER ROOM ON WEDNESDAYS. RESTRICTED TO ENGL, MM  
 TCOMM MAJORS ONLY.

## ENGLISH (CONTINUED)

PROPOS&RPRT WRITNG ENGL 309 3 CREDITS  
 8089040 D2 MF 12:10-1:00  
 W 12:10-1:00  
 MEETS: AUG 26-DEC 20  
 Note: SEC D2 WILL LIKELY MEET IN A ROSS HALL  
 COMPUTER ROOM ON WEDNESDAYS. RESTRICTED TO MAJORS  
 OTHER THAN ENGL, TCOMM.  
 8089045 E1 R 11:00-12:20  
 T 11:00-12:20  
 MEETS: AUG 26-DEC 20  
 Note: SEC E1 WILL LIKELY MEET IN A ROSS HALL  
 COMPUTER ROOM ON TUESDAYS. RESTRICTED TO ENGL, TCOMM  
 MAJORS ONLY.  
 8089050 E2 R 11:00-12:20  
 T 11:00-12:20  
 MEETS: AUG 26-DEC 20  
 Note: SEC E2 WILL LIKELY MEET IN A ROSS HALL  
 COMPUTER ROOM ON TUESDAYS. RESTRICTED TO MAJORS  
 OTHER THAN ENGL, TCOMM.  
 8089055 F1 MF 2:10-3:00  
 W 2:10-3:00  
 MEETS: AUG 26-DEC 20  
 Note: SEC F1 WILL LIKELY MEET IN A ROSS HALL  
 COMPUTER ROOM ON WEDNESDAYS. RESTRICTED TO MAJORS  
 OTHER THAN ENGL, TCOMM.  
 8089060 F2 MF 2:10-3:00  
 W 2:10-3:00  
 MEETS: AUG 26-DEC 20  
 Note: SEC F2 WILL LIKELY MEET IN A ROSS HALL  
 COMPUTER ROOM ON WEDNESDAYS. RESTRICTED TO MAJORS  
 OTHER THAN ENGL, TCOMM.  
 8089065 G1 WF 10:00-10:50  
 M 10:00-10:50  
 MEETS: AUG 26-DEC 20  
 Note: SEC G1 WILL LIKELY MEET IN A ROSS HALL  
 COMPUTER ROOM ON MONDAYS. RESTRICTED TO ENGL, TCOMM  
 MAJORS ONLY.  
 8089070 G2 WF 10:00-10:50  
 M 10:00-10:50  
 MEETS: AUG 26-DEC 20  
 Note: SEC G2 WILL LIKELY MEET IN A ROSS HALL  
 COMPUTER ROOM ON MONDAYS. RESTRICTED TO MAJORS  
 OTHER THAN ENGL, TCOMM.

RHETORICAL ANALYSIS ENGL 310 3 CREDITS  
 Prereq: ENGL 250  
 Note: SEC A1,B1 RESTRICTED TO ENGL, TCOMM, SP CM MAJORS  
 ONLY. A2,B2 RESTRICTED TO MAJORS OTHER THAN ENGL,  
 TCOMM, SP CM  
 8308005 A1 TR 2:10-3:30  
 MEETS: AUG 26-DEC 20  
 8308010 A2 TR 2:10-3:30  
 MEETS: AUG 26-DEC 20  
 8308015 B1 TR 11:00-12:20  
 MEETS: AUG 26-DEC 20  
 8308020 B2 TR 11:00-12:20  
 MEETS: AUG 26-DEC 20

BIOLOGICL COMMUNICA ENGL 312 3 CREDITS  
 Prereq: ENGL 250  
 6971005 1 T 2:10-3:30  
 R 2:10-3:30  
 MEETS: AUG 26-DEC 20  
 Note: SEC 1 WILL LIKELY MEET IN A ROSS HALL  
 COMPUTER ROOM ON THURSDAYS. RESTRICTED TO A ECL,  
 AGRON, AN S, BBMBS, BCBIO, BIOCH, BIOL, BIOLA, BIOPH,  
 BPM I, ENSCA, ENSCS, ENV S, FOR, GEN, GEN S, HORT,  
 6971010 2 T 12:40-2:00  
 R 12:40-2:00  
 MEETS: AUG 26-DEC 20  
 Note: SEC 2 WILL LIKELY MEET IN A ROSS HALL  
 COMPUTER ROOM ON THURSDAYS. RESTRICTED TO A ECL,  
 AGRON, AN S, BBMBS, BCBIO, BIOCH, BIOL, BIOLA, BIOPH,  
 BPM I, ENSCA, ENSCS, ENV S, FOR, GEN, GEN S, HORT,  
 INSCI, MICR, MICRO, PBPPI MAJORS ONLY.  
 6971015 3 MW 9:00-9:50  
 F 9:00-9:50  
 MEETS: AUG 26-DEC 20  
 Note: SEC 3 WILL LIKELY MEET IN A ROSS HALL  
 COMPUTER ROOM ON FRIDAYS. RESTRICTED TO THE FOLLOWING  
 MAJORS ANSPV, BIOL, BIOLA, BIOCH, GEN, GEN S, GENPV,  
 MICR, P MED, P VET MAJORS  
 6971020 4 MW 9:00-9:50  
 F 9:00-9:50  
 MEETS: AUG 26-DEC 20  
 Note: SEC 4 WILL LIKELY MEET IN A ROSS HALL  
 COMPUTER ROOM ON FRIDAYS. RESTRICTED TO A ECL,  
 AGRON, AN S, BBMBS, BCBIO, BIOCH, BIOL, BIOLA, BIOPH,  
 BPM I, ENSCA, ENSCS, ENV S, FOR, GEN, GEN S, HORT,  
 INSCI, MICR, MICRO, PBPPI MAJORS ONLY.

RHETORCL WEBSTE DSN ENGL 313 3 CREDITS  
 Prereq: ENGL 250  
 5597005 A1 MWF 11:00-11:50  
 MEETS: AUG 26-DEC 20  
 Note: SEC A1 RESTRICTED TO ENGL, TCOMM MAJORS ONLY  
 5597015 A2 MWF 11:00-11:50  
 MEETS: AUG 26-DEC 20  
 Note: SEC A2 RESTRICTED TO MAJORS OTHER THAN ENGL,  
 TCOMM

## ENGLISH

(CONTINUED)

TECHNICAL COMMUNCTN ENGL 314 3 CREDITS  
Prereq: ENGL 250, JUNIOR CLASSIFICATION  
Note: MOST SEC WILL BE TAUGHT IN A COMPUTER LAB.  
COURSE RESTRICTED TO JUNIORS AND ABOVE.

3356005 1 MW 8:00-8:50  
F 8:00-8:50  
MEETS: AUG 26-DEC 20  
Note: SEC 1 WILL LIKELY MEET IN A DURHAM CENTER  
COMPUTER ROOM ON FRIDAYS

3356010 2 MW 9:00-9:50  
F 9:00-9:50  
MEETS: AUG 26-DEC 20  
Note: SEC 2 WILL LIKELY MEET IN A DURHAM CENTER  
COMPUTER ROOM ON FRIDAYS

3356015 3 MW 1:10-2:00  
F 1:10-2:00  
MEETS: AUG 26-DEC 20  
Note: SEC 3 WILL LIKELY MEET IN A DURHAM CENTER  
COMPUTER ROOM ON FRIDAYS

3356020 4 WF 10:00-10:50  
M 10:00-10:50  
MEETS: AUG 26-DEC 20  
Note: SEC 4 WILL LIKELY MEET IN A DURHAM CENTER  
COMPUTER ROOM ON MONDAYS

3356025 5 MW 12:10-1:00  
F 12:10-1:00  
MEETS: AUG 26-DEC 20  
Note: SEC 5 WILL LIKELY MEET IN A DURHAM CENTER  
COMPUTER ROOM ON FRIDAYS

3356030 6 WF 2:10-3:00  
M 2:10-3:00  
MEETS: AUG 26-DEC 20  
Note: SEC 6 WILL LIKELY MEET IN A DURHAM CENTER  
COMPUTER ROOM ON FRIDAYS

3356035 7 WF 12:10-1:00  
M 12:10-1:00  
MEETS: AUG 26-DEC 20  
Note: SEC 7 WILL LIKELY MEET IN A DURHAM CENTER  
COMPUTER ROOM ON MONDAYS

3356040 8 T 8:00-9:20  
R 8:00-9:20  
MEETS: AUG 26-DEC 20  
Note: SEC 8 WILL LIKELY MEET IN A DURHAM HALL  
COMPUTER ROOM ON THURSDAYS

3356045 9 T 9:30-10:50  
R 9:30-10:50  
MEETS: AUG 26-DEC 20  
Note: SEC 9 WILL LIKELY MEET IN A DURHAM CENTER  
LAB ON THURSDAYS  
RESTRICTED TO CH E MAJORS ONLY

3356050 10 T 11:00-12:20  
R 11:00-12:20  
MEETS: AUG 26-DEC 20  
Note: SEC 10 WILL LIKELY MEET IN A DURHAM CENTER  
LAB ON THURSDAYS  
RESTRICTED TO CH E MAJORS ONLY

3356055 11 R 11:00-12:30  
T 11:00-12:30  
MEETS: AUG 26-DEC 20  
Note: SEC 11 WILL LIKELY MEET IN A DURHAM CENTER  
COMPUTER ROOM ON TUESDAY

3356060 12 T 2:10-3:30  
R 2:10-3:30  
MEETS: AUG 26-DEC 20  
Note: SEC 12 WILL LIKELY MEET IN A DURHAM CENTER  
COMPUTER ROOM ON THURSDAYS

3356065 13 T 3:40-5:00  
R 3:40-5:00  
MEETS: AUG 26-DEC 20  
Note: SEC 13 WILL LIKELY MEET IN A DURHAM CENTER  
COMPUTER ROOM ON THURSDAYS

3356070 14 R 8:00-9:20  
T 8:00-9:20  
MEETS: AUG 26-DEC 20  
Note: SEC 14 WILL LIKELY MEET IN A DURHAM CENTER  
COMPUTER ROOM ON TUESDAYS

3356075 15 T 9:30-10:50  
R 9:30-10:50  
MEETS: AUG 26-DEC 20  
Note: SEC 15 WILL LIKELY MEET IN A DURHAM CENTER  
COMPUTER ROOM ON TUESDAYS

3356080 16 T 2:10-3:30  
R 2:10-3:30  
MEETS: AUG 26-DEC 20  
Note: SEC 16 WILL LIKELY MEET IN A DURHAM CENTER  
COMPUTER ROOM ON TUESDAYS

3356085 17 MF 10:00-10:50  
W 10:00-10:50  
MEETS: AUG 26-DEC 20  
Note: SEC 17 WILL LIKELY MEET IN A DURHAM CENTER  
COMPUTER ROOM ON WEDNESDAYS

3356090 18 R 3:40-5:00  
T 3:40-5:00  
MEETS: AUG 26-DEC 20  
Note: SEC 18 WILL LIKELY MEET IN A DURHAM CENTER  
COMPUTER ROOM ON TUESDAYS

3356095 19 MW 2:10-3:00  
F 2:10-3:00  
MEETS: AUG 26-DEC 20  
Note: SEC 19 WILL LIKELY MEET IN A ROSS HALL  
COMPUTER ROOM ON TUESDAYS

3356100 20 MW 5:10-6:30PM  
MEETS: AUG 26-DEC 20  
Note: SEC 20 WILL MEET BOTH DAYS IN A DURHAM  
CENTER COMPUTER ROOM

## ENGLISH

(CONTINUED)

TECHNICAL COMMUNCTN ENGL 314 3 CREDITS  
3356105 21 TR 5:10-6:30PM  
MEETS: AUG 26-DEC 20  
Note: SEC 21 WILL MEET BOTH DAYS IN A DURHAM  
CENTER COMPUTER ROOM

3356110 22 MF 8:00-8:50  
W 8:00-8:50  
MEETS: AUG 26-DEC 20  
Note: SEC 22 WILL LIKELY MEET IN A DURHAM CENTER  
COMPUTER ROOM ON WEDNESDAYS

3356115 23 MF 9:00-9:50  
W 9:00-9:50  
MEETS: AUG 26-DEC 20  
Note: SEC 23 WILL LIKELY MEET IN A DURHAM CENTER  
COMPUTER ROOM ON WEDNESDAYS

3356120 24 MW 3:10-4:00  
F 3:10-4:00  
MEETS: AUG 26-DEC 20  
Note: SEC 24 WILL LIKELY MEET IN A DURHAM CENTER  
COMPUTER ROOM ON FRIDAYS

3356125 25 WF 8:00-8:50  
M 8:00-8:50  
MEETS: AUG 26-DEC 20  
Note: SEC 25 WILL LIKELY MEET IN A DURHAM CENTER  
COMPUTER ROOM ON MONDAYS

3356130 26 WF 9:00-9:50  
M 9:00-9:50  
MEETS: AUG 26-DEC 20  
Note: SEC 26 WILL LIKELY MEET IN A DURHAM CENTER  
COMPUTER ROOM ON MONDAYS

3356135 27 WF 10:00-10:50  
M 10:00-10:50  
MEETS: AUG 26-DEC 20

3356140 28 WF 12:10-1:00  
M 12:10-1:00  
MEETS: AUG 26-DEC 20

CRTV WRT:SCREENPLAY ENGL 315 3 CREDITS  
Prereq: ENGL 250, NOT OPEN TO FRESHMEN  
Note: COURSE NOT OPEN TO FRESHMEN

3320005 1 MWF 12:10-1:00  
MEETS: AUG 26-DEC 20

INTRO ESL MTHDS&MAT ENGL 318 3 CREDITS  
Prereq: ENGL 219 OR LING 219

8993005 1 R 6:10-7:30PM  
ARRANGED  
MEETS: AUG 26-DEC 20

INTR TCHG ESL LTRCY ENGL 324 3 CREDITS  
Prereq: ENGL 219 OR LING 219

7207005 1 TR 11:00-12:20  
MEETS: AUG 26-DEC 20

STU 19TH C AMER LIT ENGL 362 3 CREDITS  
Prereq: ENGL 250; SOPHOMORE CLASSIFICATION

3336005 A1 TR 9:30-10:50  
MEETS: AUG 26-DEC 20  
Note: SEC A1 RESTRICTED TO ENGL, TCOMM MAJORS ONLY

3336010 A2 TR 9:30-10:50  
MEETS: AUG 26-DEC 20  
Note: SEC A2 FOR MAJORS OTHER ENGL, TCOMM

SHAKESPEARE ENGL 370 3 CREDITS  
Prereq: ENGL 250  
Note: Meets international perspectives reqmt

3341005 A1 TR 12:40-2:00  
MEETS: AUG 26-DEC 20  
Note: SEC A1 RESTRICTED TO ENGL, TCOMM MAJORS ONLY

3341010 A2 TR 12:40-2:00  
MEETS: AUG 26-DEC 20  
Note: SEC A2 FOR MAJORS OTHER ENGL, TCOMM

POSTCOLONIAL LIT ENGL 389 3 CREDITS  
Prereq: ENGL 250; SOPHOMORE CLASSIFICATION  
Note: Meets international perspectives reqmt

3349005 A1 MWF 2:10-3:00  
MEETS: AUG 26-DEC 20  
Note: SEC A1 RESTRICTED TO ENGL, TCOMM MAJORS ONLY

3349010 A2 MWF 2:10-3:00  
MEETS: AUG 26-DEC 20  
Note: SEC A2 FOR MAJORS OTHER THAN ENGL, TCOMM

TCH RDNG OF YNG LIT ENGL 396 3 CREDITS  
Prereq: ENGL 250

3350005 A1 TR 9:30-10:50  
MEETS: AUG 26-DEC 20  
Note: SEC A1 RESTRICTED TO ENGL, TCOMM MAJORS ONLY

3350010 A2 TR 9:30-10:50  
MEETS: AUG 26-DEC 20  
Note: SEC A2 RESTRICTED TO EL ED MAJORS ONLY

TEACHNG WRITING SEC ENGL 397 3 CREDITS  
Prereq: ENGL 219 OR ENGL 220; BEGIN APP PROCESS  
FOR ADMISSN TO UNIV TEACHER ED PROGRAM; INITIATE A  
STATE OF IA DEPT OF CRIMINAL INVESTIGATN BACKGROUND  
CHECK; CONCURRENT ENROLLMENT IN C I 280 (2 CR.).

3381005 1 TR 11:00-12:20  
MEETS: AUG 26-DEC 20

## ENGLISH

(CONTINUED)

CR WRIT WKSH: FICTN ENGL 404 3 CREDITS  
Prereq: ENGL 304  
3353005 1 MW 3:40-5:00  
MEETS: AUG 26-DEC 20

TECHNL, RHET, PRO CMM ENGL 411 3 CREDITS  
Prereq: ENGL 310, ENGL 302, ENGL 309, ENGL 313,  
OR ENGL 314; JUNIOR CLASSIFICATION  
3020005 1 TR 12:40-2:00  
MEETS: AUG 26-DEC 20

VISUAL ASPECT BUS CMM ENGL 416 3 CREDITS  
Prereq: ENGL 302, ENGL 309, OR ENGL 314; JUNIOR  
CLASSIFICATION  
9078005 A1 TR 8:00-9:20  
MEETS: AUG 26-DEC 20  
Note: SEC A1 RESTRICTED TO ENGL, TCOMM MAJORS ONLY  
9078010 A2 TR 8:00-9:20  
MEETS: AUG 26-DEC 20  
Note: SEC A2 RESTRICTED TO MAJORS OTHER THAN  
ENGL, TCOMM

STUDNT TCH ENGL&LIT ENGL 417E VAR. CREDITS  
Prereq: ENGL 494, ADMISSION TO TEACHER EDUCATION,  
APPROVAL OF COORDINATOR SEMESTER PRIOR TO STUDENT  
TEACHING  
Note: COURSE RESTRICTED TO ENGL SENIORS IN THE  
EDUCATOR PREP PROGRAM.  
PLEASE NOTE: A SPECIAL COURSE FEE WILL BE  
ASSESSED FOR THIS COURSE. PLEASE BE ADVISED THAT  
THIS FEE WILL BE ASSESSED LATER IN THE SEMESTER.  
7786005 1A ARRANGED  
MEETS: AUG 26-OCT 18  
Note: SEC 1A FOR STUDENTS TEACHING IN CENTRAL IOWA.  
OFFERED FOR 8 CREDITS.  
7786010 1R ARRANGED  
MEETS: AUG 26-OCT 18  
7786015 2A ARRANGED  
MEETS: OCT 21-DEC 20  
Note: SEC 2A FOR STUDENTS TEACHING IN CENTRAL IOWA.  
OFFERED FOR 8 CREDITS.  
7786020 2R ARRANGED  
MEETS: OCT 21-DEC 20

HIST OF ENGLISH LANG ENGL 420 3 CREDITS  
Prereq: ENGL/LING 219, ENGL/LING 220  
Note: COURSE NOT OPEN TO FRESHMEN OR SOPHOMORES  
3360005 1 MWF 3:10-4:00  
MEETS: AUG 26-DEC 20

2ND LANG LRNG&TCHNG ENGL 425 3 CREDITS  
Prereq: ENGL/LING 219, JUNIOR CLASSIFICATION  
9321005 1 MW 4:10-5:30  
MEETS: AUG 26-DEC 20

GRAMMATICAL ANALYSI ENGL 437 3 CREDITS  
Prereq: ENGL/LING 220; ENGL/LING 219 OR  
INTRODUCTORY COURSE IN LINGUISTICS; JUNIOR  
CLASSIFICATION  
Note: COURSE NOT OPEN TO FRESHMEN OR SOPHOMORES  
3359005 1 TR 9:30-10:50  
MEETS: AUG 26-DEC 20

INTERN BUS, PRO COMM ENGL 487 1- 3 CREDITS  
Prereq: JUNIOR CLASSIF; PERMISSN OF COORDINATOR;  
9 CR IN ENGL 302, ENGL 309, ENGL 313, ENGL 314, ENGL  
415 (PREFERRED), ENGL 416, OR ENGL 477.  
Note: Department permission required.  
9099005 1 ARRANGED  
MEETS: AUG 26-DEC 20

IND STDY LITERATURE ENGL 490A VAR. CREDITS  
Prereq: 9 CR IN ENGL BEYOND ENGL 250 APPROPRIATE  
TO LITERATURE, JR CLASSIFICATION, PERMISSION  
OF UNDERGRADUATE STUDIES COMMITTEE  
Note: NO MORE THAN 9 CREDITS OF ENGL 490 MAY BE  
APPLIED TOWARD GRADUATION  
Department permission required.  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

IND STU LINGUISTICS ENGL 490B VAR. CREDITS  
Prereq: 9 CR IN ENGL BEYOND ENGL 250 APPROPRIATE  
TO LINGUISTICS, JR CLASSIFICATION, PERMISSION OF  
UNDERGRAD STUDIES COMMITTEE OR LINGUISTICS ADVISER  
Note: NO MORE THAN 9 CREDITS OF ENGL 490 MAY BE  
APPLIED TOWARD GRADUATION  
Department permission required.  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

INDEP STDY RHETORIC ENGL 490C VAR. CREDITS  
Prereq: 9 CR IN ENGL BEYOND ENGL 250 APPROPRIATE  
TO RHETORIC, JR CLASSIFICATION, PERMISSION OF  
UNDERGRADUATE STUDIES COMMITTEE  
Note: NO MORE THAN 9 CREDITS OF ENGL 490 MAY BE  
APPLIED TOWARD GRADUATION  
Department permission required.  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

## ENGLISH

(CONTINUED)

IND STU CRITICI LIT ENGL 490D VAR. CREDITS  
Prereq: 9 CR IN ENGL BEYOND ENGL 250 APPROPRIATE  
TO CRITICISM & THEORY OF LIT, JR CLASSIFICATION,  
PERMISSION OF UNDERGRADUATE STUDIES COMMITTEE  
Note: NO MORE THAN 9 CREDITS OF ENGL 490 MAY BE  
APPLIED TOWARD GRADUATION  
Department permission required.  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

IND STU INSTRUC MTH ENGL 490E VAR. CREDITS  
Prereq: 9 CR IN ENGL BEYOND ENGL 250 APPROPRIATE  
TO INSTRUCTIONAL METHODS AND RESEARCH, JUNIOR  
CLASSIFICATION, PERMISSION OF UNDERGRAD STUDIES COMM  
Note: NO MORE THAN 9 CREDITS OF ENGL 490 MAY BE  
APPLIED TOWARD GRADUATION  
Department permission required.  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

IND STU CREATV WRIT ENGL 490F VAR. CREDITS  
Prereq: 9 CR IN ENGL BEYOND ENGL 250 APPROPRIATE  
TO CREATIVE WRITING, JR CLASSIFICATION, PERMISSION  
OF UNDERGRADUATE STUDIES COMMITTEE  
Note: NO MORE THAN 9 CREDITS OF ENGL 490 MAY BE  
APPLIED TOWARD GRADUATION  
Department permission required.  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

IND STU BUS/TCH CMM ENGL 490G VAR. CREDITS  
Prereq: 9 CR IN ENGL BEYOND ENGL 250 APPROPRIATE  
TO BUSINESS/TECHNICAL COMMUNICATION, JR CLASSIFICATN,  
PERMISSION OF UNDERGRADUATE STUDIES COMMITTEE  
Note: NO MORE THAN 9 CREDITS OF ENGL 490 MAY BE  
APPLIED TOWARD GRADUATION  
Department permission required.  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

INDEP STUDY HONORS ENGL 490H VAR. CREDITS  
Prereq: 9 CR IN ENGL BEYOND ENGL 250 APPROPRIATE  
TO INDEP STUDY TOPIC CHOSEN, JUNIOR CLASSIFICATION,  
PERMISSION OF UNDERGRADUATE STUDIES COMMITTEE,  
MEMBERSHIP IN UNIV HONORS PROGRAM  
Note: NO MORE THAN 9 CREDITS OF ENGL 490 MAY BE  
APPLIED TOWARD GRADUATION. RESTRICTED TO STUDENTS  
IN THE UNIVERSITY HONORS PROGRAM ONLY.  
Department permission required.  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

TEACH LIT SECONDARY ENGL 494 3 CREDITS  
Prereq: ENGL 310, ENGL 397, 9 OTHER CREDITS IN  
ENGL BEYOND ENGL 250, PSYCH 333, ADMISSION TO TEACHER  
EDUCATION PROGRAM  
Note: RESTRICTED TO STUDENTS WITH FULL OR TENTATIVE  
ADMISSION TO THE UNIVERSITY TEACHER EDUCATION PROGRAM  
3379005 1 TR 2:10-3:30  
MEETS: AUG 26-DEC 20  
Note: Instructor permission required.

TCHNG MLTIMODL COMP ENGL 500 3 CREDITS  
Prereq: GRADUATE CLASSIFICATION; MUST BE  
TEACHING ENGL 150 OR ENGL 250 CONCURRENTLY  
Note: COURSE RESTRICTED TO GRADUATE ENGLISH MAJORS  
3385005 A1 TR 9:30-10:50  
MEETS: AUG 26-DEC 20  
3385010 A2 TR 9:30-10:50  
MEETS: AUG 26-DEC 20  
3385015 A3 TR 9:30-10:50  
MEETS: AUG 26-DEC 20  
3385020 A4 TR 9:30-10:50  
MEETS: AUG 26-DEC 20

TEACHG ADV COMMUNIC ENGL 504 3 CREDITS  
Prereq: GRADUATE CLASSIFICATION  
Note: COURSE RESTRICTED TO GRADUATE ENGLISH MAJORS  
3388005 1 TR 9:30-10:50  
MEETS: AUG 26-DEC 20

INTR CPRS&APPL LING ENGL 510 3 CREDITS  
Prereq: GRADUATE CLASSIFICATION  
Note: COURSE RESTRICTED TO GRADUATE ENGLISH AND  
LINGUISTICS MAJORS  
5189005 1 MW 2:10-3:30  
MEETS: AUG 26-DEC 20

INTR LINGUIST ANALY ENGL 511 3 CREDITS  
Prereq: GRADUATE CLASSIFICATION  
Note: COURSE RESTRICTED TO GRADUATE ENGLISH AND  
LINGUISTICS MAJORS  
3395005 1 TR 2:10-3:30  
MEETS: AUG 26-DEC 20

LANGU ASSESS PRACTM ENGL 513 3 CREDITS  
Prereq: ENGL 519  
8728005 1 ARRANGED  
MEETS: AUG 26-DEC 20  
Note: Instructor permission required.

## ENGLISH (CONTINUED)

MTHD FRML LING ANLY ENGL 516 3 CREDITS  
Prereq: ENGL 219/LING 219 OR EQUIVALENT  
Note: COURSE RESTRICTED TO ENGL, LING GRADUATE MAJORS  
ONLY  
2867005 1 MW 9:30-11:00  
MEETS: AUG 26-DEC 20

TCHG 2D LANG PRONUN ENGL 525 3 CREDITS  
Prereq: ENGL/LING 511 OR AN INTRODUCTORY  
COURSE IN LINGUISTICS  
Note: COURSE RESTRICTED TO ENGL, LING GRADUATE MAJORS  
ONLY  
2230005 1 TR 3:40-5:00  
MEETS: AUG 26-DEC 20

SPECIFIC PURPO ENGL ENGL 528 3 CREDITS  
Prereq: ENGL/LING 511 OR AN INTRODUCTORY  
COURSE IN LINGUISTICS  
Note: COURSE RESTRICTED TO ENGL, LING GRADUATE MAJORS  
ONLY  
5193005 1 MW 12:40-2:00  
MEETS: AUG 26-DEC 20

TOPICS STUDY OF LIT ENGL 531 3 CREDITS  
Prereq: GRADUATE CLASSIFICATION OR  
6 CREDITS IN LITERATURE AT 300 LEVEL OR ABOVE  
4109005 1 MW 3:40-5:00  
MEETS: AUG 26-DEC 20

AMER LIT SINCE 1865 ENGL 534 3 CREDITS  
Prereq: GRADUATE CLASSIFICATION OR  
6 CREDITS IN LITERATURE AT 300 LEVEL OR ABOVE  
Note: COURSE RESTRICTED TO GRADUATE ENGLISH MAJORS  
3248005 1 T 6:10-9:00PM  
MEETS: AUG 26-DEC 20

PREP PUB THSIS CHPT ENGL 536X 3 CREDITS  
0248005 1 ARRANGED  
MEETS: AUG 26-DEC 20  
0248010 2 TR 9:30-10:45  
MEETS: AUG 26-DEC 20

CORPUS GRAMMTC ANLY ENGL 537 3 CREDITS  
Prereq: ENGL/LING 220; ENGL/LING 219 OR  
ENGL/LING 511 OR AN INTRODUCTORY COURSE IN  
LINGUISTICS; GRADUATE CLASSIFICATION  
Note: COURSE RESTRICTED TO GRADUATE ENGL, LING  
MAJORS  
7992005 1 TR 12:40-2:00  
MEETS: AUG 26-DEC 20

FICTION ENGL 538 3 CREDITS  
Prereq: GRADUATE CLASSIFICATION OR  
6 CREDITS IN LITERATURE AT 300 LEVEL OR ABOVE  
Note: COURSE RESTRICTED TO GRADUATE ENGL, LING  
MAJORS  
3259005 1 TR 3:40-5:00  
MEETS: AUG 26-DEC 20

CRTV WRIT:CRAFT&PRO ENGL 550 3 CREDITS  
Prereq: ADMISSION INTO MFA PROGRAM IN CREATIVE  
WRITING AND ENVIRONMENT  
Note: COURSE RESTRICTED TO GRADUATE ENGLISH MAJORS  
8354005 1 W 6:10-9:00PM  
MEETS: AUG 26-DEC 20

MASTER WORKSHOP ENGL 551 3 CREDITS  
Prereq: FIFTH-SEMESTER OR EQUIVALENT STANDING  
IN THE CREATIVE WRITING AND ENVIRONMENT MFA PROGRAM  
Note: COURSE RESTRICTED TO GRADUATE ENGLISH MAJORS  
8367005 1 W 6:10-9:00PM  
MEETS: AUG 26-DEC 20

WKSHP:SCRIPTWRITING ENGL 552X 3 CREDITS  
Prereq: ENGL 550 AND GRADUATE ADMISSION INTO THE  
CREATIVE WRITING AND ENVIRONMENT PROGRAM  
0249005 1 M 3:10-6:00PM  
MEETS: AUG 26-DEC 20

NONFICTION WORKSHOP ENGL 555 VAR. CREDITS  
Prereq: ENGL 550 AND GRADUATE ADMISSION INTO THE  
CREATIVE WRITING AND ENVIRONMENT PROGRAM  
Note: COURSE ONLY OFFERED FOR 3 CREDITS FALL 2019  
RESTRICTED TO GRADUATE ENGLISH MAJORS  
2244005 1 R 12:40-3:30  
MEETS: AUG 26-DEC 20

ENVIRON FIELD EXPER ENGL 560 3 CREDITS  
Prereq: ENGL 550, GRAD CLASSIFICATION. OPEN TO  
GRAD STUDENTS OUTSIDE MFA IN CREATIVE WRITING AND  
ENVIRONMENT WITH PERMISSION OF INSTRUCTOR.  
8229005 1 ARRANGED  
MEETS: AUG 26-DEC 20  
Note: Instructor permission required.

## ENGLISH (CONTINUED)

VISUAL RHET PRO CMM ENGL 586 3 CREDITS  
Prereq: A COURSE IN PROFESSIONAL COMMUNICATION  
7575005 1 TR 11:00-12:20  
MEETS: AUG 26-DEC 20

INTERN BUS,PRO COMM ENGL 587 1- 3 CREDITS  
Prereq: 3 GRAD CREDITS IN BUSINESS AND TECHNICAL  
WRITING OR COMPOSITION AND RHETORIC, PERMISSION OF  
INSTRUCTOR. LIMITED TO MASTER'S AND DOCTORAL DEGREE  
CANDIDATES IN FIELD OF RHETORIC AND PRO COMMUNICATION  
Note: Instructor permission required.  
3425005 1 ARRANGED  
MEETS: AUG 26-DEC 20

PRA TCH ENG 2ND LNG ENGL 588 3 CREDITS  
Prereq: 9 CREDITS TOWARD TESL/TEFL CERTIFICATE,  
15 CREDITS TOWARD TESL/AL MASTER'S DEGREE, OR  
18 CR COMPLETED TOWARD THE ESL ENDORSEMENT OPTION  
Note: COURSE RESTRICTED TO GRADUATE ENGLISH AND  
LINGUISTICS MAJORS. NOT TO BE TAKEN SAME TERM AS  
STUDENT TEACHING.  
3426005 1 ARRANGED  
MEETS: AUG 26-DEC 20

SUPV PRACT LIT EDIT ENGL 589 1- 3 CREDITS  
Prereq: ENGL 550 AND PERMISSION OF INSTRUCTOR  
7611005 1 ARRANGED  
MEETS: AUG 26-DEC 20  
Note: Instructor permission required.

SPL TOP LITERATURE ENGL 590A VAR. CREDITS  
Prereq: PERMISSION OF THE DIRECTOR OF GRADUATE  
EDUC ACCORDING TO GUIDELINES AVAILABLE IN DEPT OFFICE  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

SPL TOP TESL/LINGUI ENGL 590B VAR. CREDITS  
Prereq: PERMISSION OF THE DIRECTOR OF GRADUATE  
EDUC ACCORDING TO GUIDELINES AVAILABLE IN DEPT OFFICE  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

SPL TOP RHETOR&COMP ENGL 590C VAR. CREDITS  
Prereq: PERMISSION OF THE DIRECTOR OF GRADUATE  
EDUC ACCORDING TO GUIDELINES AVAILABLE IN DEPT OFFICE  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

SP TOP RHE&PRO COMM ENGL 590E VAR. CREDITS  
Prereq: PERMISSION OF THE DIRECTOR OF GRADUATE  
EDUC ACCORDING TO GUIDELINES AVAILABLE IN DEPT OFFICE  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

SPL TOP CREATV WRIT ENGL 590F VAR. CREDITS  
Prereq: PERMISSION OF THE DIRECTOR OF GRADUATE  
EDUC ACCORDING TO GUIDELINES AVAILABLE IN DEPT OFFICE  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

SPL TP APP LING&TEC ENGL 590G VAR. CREDITS  
Prereq: PERMISSION OF THE DIRECTOR OF GRADUATE  
EDUC ACCORDING TO GUIDELINES AVAILABLE IN DEPT OFFICE  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

CORE STUDI:RHETORIC ENGL 592A 3 CREDITS  
Prereq: 12 CREDITS IN RHETORIC, LINGUISTICS, OR  
LITERATURE, EXCLUDING ENGL 150 AND ENGL 250  
Note: COURSE RESTRICTED TO GRADUATE ENGLISH MAJORS  
2277005 1 T 3:10-6:00PM  
MEETS: AUG 26-DEC 20

CORE STU:PRO CMUNIC ENGL 592C 3 CREDITS  
Prereq: 12 CREDITS IN RHETORIC, LINGUISTICS, OR  
LITERATURE, EXCLUDING ENGL 150 AND ENGL 250  
Note: RESTRICTED TO MASTERS IN ACCOUNTING  
2708005 1 TR 12:40-2:20  
MEETS: AUG 26-NOV 15

CREATIVE COMPONENT ENGL 599 3 CREDITS  
Prereq: GRADUATE CLASSIFICATION, PERMISSION OF  
MAJOR PROFESSOR  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

RSRCH MTH RHET:ANLY ENGL 602C 3 CREDITS  
9868005 1 W 3:10-6:00PM  
MEETS: AUG 26-DEC 20

SMNR APPLD LINGUIST ENGL 630 3 CREDITS  
Prereq: ENGL/LING 510, ENGL/LING 511  
Note: COURSE RESTRICTED TO ENGL, TCOMM GRAD STUDENTS  
4758005 1 MW 11:00-12:30  
MEETS: AUG 26-DEC 20  
Note: SEC 1 TOPIC: CORPUS LINGUISTICS & LANGUAGE  
TEACHING  
4758010 2 TR 9:30-10:50  
MEETS: AUG 26-DEC 20  
Note: SEC 2 TOPIC: VALIDATION OF LANGUAGE ASSESSMENTS

RESEARCH ENGL 699 VAR. CREDITS  
Prereq: GRADUATE CLASSIFICATION, PERMISSION OF  
MAJOR PROFESSOR  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS



## ENTOMOLOGY

INTRO TO INSECTS ENT 201 1 CREDIT  
5197005 1 ARRANGED  
MEETS: AUG 26-SEPT 29  
Note: Course delivery is WWW

INSECTS AND SOCIETY ENT 211 2 CREDITS  
Prereq: ENT 201  
3441005 1 ARRANGED  
MEETS: SEPT 30-DEC 13  
Note: Course delivery is WWW

INSECT BIOLOGY ENT 370 3 CREDITS  
Prereq: BIOL 101 OR BIOL 211  
3443005 1 TR 11:00-11:50  
W 12:10-3:00  
MEETS: AUG 26-DEC 20  
3443010 2 TR 11:00-11:50  
W 3:10-6:00PM  
MEETS: AUG 26-DEC 20  
3443015 3 TR 11:00-11:50  
R 12:10-3:00  
MEETS: AUG 26-DEC 20

IND STU RESRCH/WORK ENT 490E 1- 3 CREDITS  
Prereq: 15 CR IN BIOL SCI, JR OR SR CLASSIF  
Note: NO MORE THAN 6 CREDITS OF 490 MAY BE USED  
TOWARD GRADUATION  
Instructor permission required 1st week.  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

IND STDY LAB TEACHG ENT 490U 1- 3 CREDITS  
Prereq: 15 CREDITS IN BIOLOGICAL SCIENCES, JUNIOR  
OR SENIOR CLASSIFICATION. FOR STUDENTS REGISTERING TO  
BE UNDERGRADUATE LABORATORY ASSISTANTS.  
Note: NO MORE THAN 6 CREDITS OF 490 MAY BE USED  
TOWARD GRADUATION  
Instructor permission required 1st week.  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

PLANT-INSCT INTERAC ENT 570 2 CREDITS  
Prereq: 9 CREDITS IN BIOLOGICAL SCIENCES  
3452005 1 W 3:10-5:00  
MEETS: AUG 26-DEC 20

SP TOP BIOL CONTROL ENT 590A 1- 3 CREDITS  
Prereq: 15 CREDITS IN BIOLOGICAL SCIENCES  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

SP TOP CHEM ECOLOGY ENT 590B 1- 3 CREDITS  
Prereq: 15 CREDITS IN BIOLOGICAL SCIENCES  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

SP TOP ECO&PEST MGT ENT 590C 1- 3 CREDITS  
Prereq: 15 CREDITS IN BIOLOGICAL SCIENCES  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

SP TOP EVOL&SYSTMAT ENT 590D 1- 3 CREDITS  
Prereq: 15 CREDITS IN BIOLOGICAL SCIENCES  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

SPL TOP RSRCH TOPCS ENT 590E 1- 3 CREDITS  
Prereq: 15 CREDITS IN BIOLOGICAL SCIENCES  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

SPL TOP MEDICAL&VET ENT 590F 1- 3 CREDITS  
Prereq: 15 CREDITS IN BIOLOGICAL SCIENCES  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

SPL TOPIC MOLECULAR ENT 590G 1- 3 CREDITS  
Prereq: 15 CREDITS IN BIOLOGICAL SCIENCES  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

SPL TOP PHYSL&BIOCH ENT 590H 1- 3 CREDITS  
Prereq: 15 CREDITS IN BIOLOGICAL SCIENCES  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

SPL TOPC TOXICOLOGY ENT 590I 1- 3 CREDITS  
Prereq: 15 CREDITS IN BIOLOGICAL SCIENCES  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

SPL TOP TCHNG EXPER ENT 590K 1- 3 CREDITS  
Prereq: 15 CREDITS IN BIOLOGICAL SCIENCES  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

SP TOP EXTENS INTRN ENT 590L 1- 3 CREDITS  
Prereq: 15 CREDITS IN BIOLOGICAL SCIENCES  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

SPL TOP IMMATUR INS ENT 590M 1- 3 CREDITS  
Prereq: 15 CREDITS IN BIOLOGICAL SCIENCES  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

## ENTOMOLOGY

(CONTINUED)

SPL TOP POPUL GENET ENT 590N 1- 3 CREDITS  
Prereq: 15 CREDITS IN BIOLOGICAL SCIENCES  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

SEMINAR ENT 600 1 CREDIT  
5345005 1 M 4:10-5:00  
MEETS: AUG 26-DEC 20

RESEARCH ENT 699 VAR. CREDITS  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

## ENTREPRENEURSHIP

ENTREPRENRSH&INNOV ENTSP 310 3 CREDITS  
Prereq: SOPHOMORE CLASSIFICATION  
Note: COURSE NOT OPEN TO P BUS.  
COURSE NOT OPEN TO GRADUATE STUDENTS WITHOUT  
PERMISSION FROM 1200 GERDIN  
0020005 1 TR 9:30-10:45  
MEETS: AUG 26-DEC 20  
0020010 2 TR 3:40-4:55  
MEETS: AUG 26-DEC 20  
0020015 3 W 6:40-9:25PM  
MEETS: AUG 26-DEC 20  
0020020 4 MWF 3:10-4:00  
MEETS: AUG 26-DEC 20  
0020025 5 TR 8:00-9:15  
MEETS: AUG 26-DEC 20  
0020030 6 TR 2:10-3:25  
MEETS: AUG 26-DEC 20  
0020035 7 MWF 10:00-10:50  
MEETS: AUG 26-DEC 20

FEASIB ANLY&BUS PLN ENTSP 313 3 CREDITS  
Prereq: MGMT 310  
Note: COURSE NOT OPEN TO P BUS  
COURSE NOT OPEN TO GRADUATE STUDENTS WITHOUT  
PERMISSION FROM 1200 GERDIN  
0021005 1 T 6:40-9:25PM  
MEETS: AUG 26-DEC 20  
0021010 2 TR 12:40-1:55  
MEETS: AUG 26-DEC 20

SOCIAL ENTREPRNRSHP ENTSP 410 3 CREDITS  
Prereq: SOPHOMORE CLASSIFICATION  
0023005 A1 M 6:40-9:25PM  
MEETS: AUG 26-DEC 20  
0023010 A2 M 6:40-9:25PM  
MEETS: AUG 26-DEC 20

APP ENTREPRENEURSHP ENTSP 480 3 CREDITS  
Prereq: MGMT 310; MGMT 313 OR MGMT 320  
Note: COURSE RESTRICTED TO UNDERGRADUATE BUSINESS  
STUDENTS SOPHOMORE AND ABOVE. NOT OPEN TO P BUS.  
7285005 1 MWF 10:00-10:50  
MEETS: AUG 26-DEC 20

SMNR STRATEGIC MGMT ENTSP 605 3 CREDITS  
Note: RESTRICTED TO BUSINESS COLLEGE GRADUATE STUDENTS  
0053005 1 T 8:00-10:50  
MEETS: AUG 26-DEC 20

## ENVIRONMENTAL SCIENCE

ORIENT ENVIRNMT SCI ENSCI 110 1 CREDIT  
Prereq: FRESHMAN CLASSIFICATION IN ENSCI  
Note: COURSE RESTRICTED TO ENSCA, ENSCS FRESHMEN ONLY  
Satisfactory-Fail Only.  
6098005 1 R 2:10-3:00  
MEETS: AUG 26-DEC 20

INTRO ENVIRNMT ISSU ENSCI 201 2 CREDITS  
6111005 1A TR 8:00-9:20, ARRANGED  
MEETS: OCT 21-DEC 20  
Note: SEC 1A RESTRICTED TO ENSCA, ENSCS MAJORS ONLY  
6111010 1B TR 8:00-9:20, ARRANGED  
MEETS: OCT 21-DEC 20  
6111015 1C TR 8:00-9:20, ARRANGED  
MEETS: OCT 21-DEC 20  
Note: SEC 1C RESTRICTED TO AG X, ENV S, OPEN MAJORS

EXPLOR ENVIR ISSUES ENSCI 202 1 CREDIT  
Prereq: CREDIT OR ENROLLMENT IN ENSCI 201  
Note: COURSE RESTRICTED TO ENSCA, ENSCS MAJORS ONLY  
Satisfactory-Fail Only.  
9224005 1 R 12:40-2:00  
MEETS: AUG 26-DEC 20

ENVIRONMTL GEOGRPHY ENSCI 250 3 CREDITS  
6127005 1 MWF 10:00-10:50  
MEETS: AUG 26-DEC 20  
Note: SEC 1 RESTRICTED TO ENSCA, ENSCS MAJORS ONLY  
6127010 2 MWF 10:00-10:50  
MEETS: AUG 26-DEC 20  
Note: SEC 2 RESTRICTED TO A ECL, AG X, AGRON,  
BIOL, BIOLA, ENV S, FOR, GEOL, MTEOR, OPEN MAJORS

## ENVIRONMENTAL SCIENCE (CONTINUED)

GEOSPATIAL TECHNOLG ENSCI 270X 3 CREDITS  
0170005 1 TR 3:40-4:30, ARRANGED  
MEETS: AUG 26-DEC 20

FOREST ECOLOGY&SOILS ENSCI 301 4 CREDITS  
Prereq: BIOL 211, 201L; FOR 201 OR A 2ND COURSE  
IN BIOLOGY  
4973005 1 TR 8:00-9:20  
T 3:10-6:00PM  
MEETS: AUG 26-DEC 20

ECOLOGY ENSCI 312 4 CREDITS  
Prereq: BIOL 211L AND BIOL 212L  
Note: 2-PART COURSE. REGISTER FOR A LECTURE SEC  
(LETTERED SEC A,B) FIRST AND THEN A LAB SEC  
(NUMBERED SEC 1-18). STUDENTS WHO DON'T REGISTER  
FOR BOTH LECTURE AND LAB WILL BE DROPPED FROM THE  
COURSE DUE TO INCOMPLETE REGISTRATION.

4996001 A TR 8:00-9:15  
MEETS: AUG 26-DEC 20

4996004 B TR 8:00-9:15  
MEETS: AUG 26-DEC 20

Note: SEC B IS TEAM BASED LEARNING  
4996005 1 M 8:00-10:50  
MEETS: AUG 26-DEC 20

4996010 2 M 9:00-11:50  
MEETS: AUG 26-DEC 20

4996015 3 M 11:00-2:00  
MEETS: AUG 26-DEC 20

4996020 4 M 12:10-3:00  
MEETS: AUG 26-DEC 20

4996025 5 M 2:10-5:00  
MEETS: AUG 26-DEC 20

4996030 6 M 3:10-6:00PM  
MEETS: AUG 26-DEC 20

4996040 7 T 10:00-1:00  
MEETS: AUG 26-DEC 20

4996045 8 T 12:10-3:00  
MEETS: AUG 26-DEC 20

4996050 9 T 1:10-4:00  
MEETS: AUG 26-DEC 20

4996055 10 T 3:10-6:00PM  
MEETS: AUG 26-DEC 20

4996060 11 W 8:00-11:50  
MEETS: AUG 26-DEC 20

4996065 12 W 9:00-12:50  
MEETS: AUG 26-DEC 20

4996070 13 W 11:00-2:00  
MEETS: AUG 26-DEC 20

4996075 14 W 12:10-3:00  
MEETS: AUG 26-DEC 20

4996080 15 W 2:10-5:00  
MEETS: AUG 26-DEC 20

4996085 16 W 3:10-6:00PM  
MEETS: AUG 26-DEC 20

4996090 17 R 10:00-12:50  
MEETS: AUG 26-DEC 20

4996095 18 R 12:10-3:00  
MEETS: AUG 26-DEC 20

4996100 19 R 1:10-4:00  
MEETS: AUG 26-DEC 20

4996105 20 R 3:10-6:00PM  
MEETS: AUG 26-DEC 20

ECO&ENVIRON SCI GIS ENSCI 370 1- 6 CREDITS  
Prereq: 6 CREDITS IN BIOLOGICAL AND/OR PHYSICAL  
SCIENCES; PERMISSION OF INSTRUCTOR  
Satisfactory-Fail Only.

4002005 1 ARRANGED  
MEETS: AUG 26-DEC 20

Note: Instructor permission required.

4002010 2 ARRANGED  
MEETS: AUG 26-DEC 20

INTRO ENVIRNMTL SYS ENSCI 381 3- 4 CREDITS  
Prereq: 12 CREDITS OF NATURAL SCIENCE INCLUDING  
BIOLOGY AND CHEMISTRY

Note: COURSE ONLY OFFERED FOR 3 CREDITS FALL 2019.  
SECT 1A,2A,ETC. RESTRICTED TO ENSCA, ENSCS  
MAJORS ONLY. SEC 1B,2B,ETC. RESTRICTED TO MAJORS  
OTHER THAN ENSCA, ENSCS.

3293005 1A ARRANGED  
TR 11:00-1:00  
MEETS: AUG 26-DEC 20

3293010 1B ARRANGED  
TR 11:00-1:00  
MEETS: AUG 26-DEC 20

3293015 2A ARRANGED, TR 1:10-3:00  
MEETS: AUG 26-DEC 20

3293020 2B ARRANGED, TR 1:10-3:00  
MEETS: AUG 26-DEC 20

3293025 3A ARRANGED, TR 3:10-5:00  
MEETS: AUG 26-DEC 20

3293030 3B ARRANGED, TR 3:10-5:00  
MEETS: AUG 26-DEC 20

## ENVIRONMENTAL SCIENCE (CONTINUED)

INTERNSHIP ENVI SCI ENSCI 390 VAR. CREDITS  
Prereq: APPROVAL OF THE ENVIR SCIENCE COORDINATOR  
Satisfactory-Fail Only.  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

APPRENTICESHIP ENSCI 391 VAR. CREDITS  
Prereq: APPROVAL OF THE ENVIR SCIENCE COORDINATOR  
Note: Permission of coordinator required.  
Satisfactory-Fail Only.  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

WATERSHED HYDROLOGY ENSCI 402 3 CREDITS  
Prereq: FOUR COURSES IN PHYSICAL OR BIOLOGICAL  
SCIENCES OR ENGINEERING; JUNIOR STANDING  
3164005 1 MW 11:00-11:50 FRANZ K  
R 3:10-6:00PM FRANZ K  
MEETS: AUG 26-DEC 20

HYDROGEOLOGY ENSCI 411 4 CREDITS  
Prereq: FOUR COURSES IN BIOLOGICAL OR PHYSICAL  
SCIENCES  
5014005 1 MWF 9:00-9:50 SIMPKINS W  
R 1:10-3:00 SIMPKINS W  
MEETS: AUG 26-DEC 20

MICROPALAEONTOLOGY ENSCI 412 3 CREDITS  
Prereq: GEOL 102, GEOL 102L  
8733005 1 MW 1:10-2:00 CAISSIE B  
MW 2:10-3:00  
MEETS: AUG 26-DEC 20

STREAM ECOLOGY ENSCI 418 3 CREDITS  
Prereq: ENSCI 486  
5457005 1 TR 1:10-2:00  
R 2:10-5:00  
MEETS: AUG 26-DEC 20

ENVIRONMT ENGR CHEM ENSCI 420 3 CREDITS  
Prereq: C E 326, CHEM 178  
9475005 1 WF 11:00-11:50  
R 12:40-3:30  
MEETS: AUG 26-DEC 20

STABLE ISOTOPES ENV ENSCI 426 3 CREDITS  
Prereq: 4 COURSES IN BIOLOGICAL OR PHYSICAL SCI  
6844005 1 TR 9:30-10:50 WANAMAKER A  
MEETS: AUG 26-DEC 20

WATERSHD MODL&POLCY ENSCI 437 3 CREDITS  
Prereq: C E 372 OR EQUIVALENT  
1030005 1 MW 1:10-2:00, ARRANGED  
MEETS: AUG 26-DEC 20

GIS&GPS NAT RESOURC ENSCI 446 3 CREDITS  
Prereq: 12 CR IN STUDENT'S MAJOR AT 300 LEVEL  
OR ABOVE, NREM 345 OR EQUIVALENT EXPERIENCE WITH  
ARCGIS  
3033005 1 TR 8:00-8:50  
T 12:10-3:00  
MEETS: AUG 26-DEC 20  
3033010 2 TR 8:00-8:50  
W 11:00-2:00  
MEETS: AUG 26-DEC 20

GIS FOR GEOSCIENTST ENSCI 452 3 CREDITS  
Prereq: GEOL 100, GEOL 201 OR EQUIVALENT  
3093005 1 MW 3:10-4:00 HARDING C  
MW 4:10-5:00 HARDING C  
MEETS: AUG 26-DEC 20

ENVIR SOIL&WTR CHEM ENSCI 459 4 CREDITS  
Prereq: TWO SEMESTERS COLLEGE-LEVEL CHEMISTRY,  
MATH 140, AGRON 182 (OR EQUIVALENT) OR AGRON 360.  
GEOL 100 AND AGRON 354 RECOMMENDED.  
5017005 1 MWF 11:00-11:50  
T 3:10-6:00PM  
MEETS: AUG 26-DEC 20

SURFICIAL PROCESSES ENSCI 479 3 CREDITS  
Prereq: GEOL 100 OR GEOL 201 OR EQUIVALENT  
EXPERIENCE  
5026005 1 MW 10:00-10:50 HELANOW C  
F 12:10-3:00 HELANOW C  
MEETS: AUG 26-DEC 20

ENGR ANALY BIOL SYS ENSCI 480 3 CREDITS  
Prereq: A B E 380 OR PERMISSION OF INSTRUCTOR  
7086005 1 MW 8:00-8:50  
F 8:00-9:50  
MEETS: AUG 26-DEC 20

AQUATIC ECOLOGY ENSCI 486 3 CREDITS  
Prereq: BIOL 312 OR ENSCI 381 OR ENSCI 402 OR  
NREM 301  
5000005 1 TR 9:30-10:50  
MEETS: AUG 26-DEC 20

## ENVIRONMENTAL SCIENCE (CONTINUED)

AQUATIC ECOLOGY LAB ENSCI 486L 1 CREDIT  
Prereq: CONCURRENT ENROLLMENT IN ENSCI 486  
5012005 1 T 12:10-3:00  
5012010 2 MEETS: AUG 26-DEC 20  
T 3:10-6:00PM  
MEETS: AUG 26-DEC 20

MICROBIAL ECOLOGY ENSCI 487 3 CREDITS  
Prereq: 6 CREDITS IN BIOL AND 6 CREDITS IN CHEM  
3512005 1 MWF 9:00-9:50  
MEETS: AUG 26-DEC 20

INDEPENDENT STUDY ENSCI 490 VAR. CREDITS  
Prereq: INSTRUCTOR PERMISSION, APPROVAL OF  
ENVIRONMENTAL SCIENCE COORDINATOR  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

HONORS INDEP STUDY ENSCI 490H VAR. CREDITS  
Prereq: INSTRUCTOR PERMISSION, APPROVAL OF  
ENVIRONMENTAL SCIENCE COORDINATOR  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

WATERSHED HYDROLOGY ENSCI 502 3 CREDITS  
Prereq: FOUR COURSES IN PHYSICAL OR BIOLOGICAL  
SCIENCES OR ENGINEERING/ JUNIOR STANDING  
4409005 1 MW 11:00-11:50 FRANZ K  
R 3:10-6:00PM FRANZ K  
MEETS: AUG 26-DEC 20

HYDROGEOLOGY ENSCI 511 4 CREDITS  
Prereq: FOUR COURSES IN BIOLOGICAL OR PHYSICAL  
SCIENCES  
3129005 1 MWF 9:00-9:50 SIMPKINS W  
R 1:10-3:00 SIMPKINS W  
MEETS: AUG 26-DEC 20

STREAM ECOLOGY ENSCI 518 3 CREDITS  
Prereq: A ECL 486  
Note: Instructor permission required 1st week.  
5029005 1 TR 1:10-2:00  
R 2:10-5:00  
MEETS: AUG 26-DEC 20

ENVIRONMT ENGR CHEM ENSCI 520 3 CREDITS  
Prereq: CHEM 177, CHEM 178, MATH 166  
4511005 1 WF 11:00-11:50  
R 12:40-3:30  
MEETS: AUG 26-DEC 20

ENVIRON BIOTECHNOLOG ENSCI 521 3 CREDITS  
Prereq: C E 326  
4516005 1 T 9:00-10:50  
R 9:00-10:50  
MEETS: AUG 26-DEC 20  
Section info: <http://www.public.iastate.edu/~tge/courses/ce521/homepage.html>

STABLE ISOTOP&ENVR ENSCI 526 3 CREDITS  
Prereq: 4 COURSES IN PHYSICAL OR BIOL SCIENCE  
3178005 1 TR 9:30-10:50 WANAMAKER A  
MEETS: AUG 26-DEC 20

SOIL&WTR CONSERV SY ENSCI 531 3 CREDITS  
Prereq: E M 378 OR CH E 356  
4641005 1 MW 11:00-11:50  
T 3:10-5:00  
MEETS: AUG 26-DEC 20

INTEGRATING GIS&GPS ENSCI 546 3 CREDITS  
Prereq: 12 CR IN STUDENT MAJOR AT 300 LEVEL OR  
ABOVE, NREM 345 OR EQUIVALENT EXPERIENCE WITH ARCGIS  
4698005 1 TR 8:00-8:50  
T 12:10-3:00  
MEETS: AUG 26-DEC 20  
4698010 2 TR 8:00-8:50  
W 11:00-2:00  
MEETS: AUG 26-DEC 20

GIS FOR GEOSCIENTST ENSCI 552 3 CREDITS  
Prereq: GEOL 100, GEOL 201 OR EQUIVALENT  
3217005 1 MW 3:10-4:00 HARDING C  
MW 4:10-5:00 HARDING C  
MEETS: AUG 26-DEC 20

ENVR SOIL&WTR CHEM ENSCI 559 4 CREDITS  
Prereq: AGRON 354 OR ENSCI 360; CHEM 178; MATH  
140. CHEM 211 OR CHEM 231 RECOMMENDED  
7367005 1 MWF 11:00-11:50  
T 3:10-6:00PM  
MEETS: AUG 26-DEC 20

GRNDWATER HYDROLOGY ENSCI 573 3 CREDITS  
Prereq: C E 372  
4573005 1 MWF 10:00-10:50  
MEETS: AUG 26-DEC 20

## ENVIRONMENTAL SCIENCE (CONTINUED)

SOIL FORM&TRANSFORM ENSCI 575 3 CREDITS  
Prereq: AGRON 463 OR EQUIVALENT  
3465005 1 MWF 12:10-1:00  
MEETS: AUG 26-DEC 20

SURFICIAL PROCESSES ENSCI 579 3 CREDITS  
Prereq: GEOL 100, GEOL 201 OR EQUIVALENT  
3226005 1 MW 10:00-10:50  
F 12:10-3:00  
MEETS: AUG 26-DEC 20

INTRO ENVRN SYSTMS ENSCI 581 3 CREDITS  
Prereq: 12 CREDITS OF NATURAL SCIENCE INCLUDING  
BIOLOGY AND CHEMISTRY  
2735035 3A TR 3:10-5:00  
MEETS: AUG 26-DEC 20

AQUATIC ECOLOGY ENSCI 586 3 CREDITS  
Prereq: ENSCI 301 OR ENSCI 312 OR ENSCI 381 OR  
ENSCI 402  
5644005 1 TR 9:30-10:50  
MEETS: AUG 26-DEC 20

AQUATIC ECOLOGY LAB ENSCI 586L 1 CREDIT  
Prereq: CONCURRENT ENROLLMENT IN ENSCI 586  
5663005 1 T 12:10-3:00  
MEETS: AUG 26-DEC 20  
5663010 2 T 3:10-6:00PM  
MEETS: AUG 26-DEC 20

MICROBIAL ECOLOGY ENSCI 587 3 CREDITS  
Prereq: 6 CREDITS IN BIOL AND 6 CREDITS IN CHEM  
7352005 1 MWF 9:00-9:50  
MEETS: AUG 26-DEC 20

SPECIAL TOPICS ENSCI 590 VAR. CREDITS  
Prereq: PERMISSION OF MAJOR PROF IN ENVIRONMENTAL  
SCIENCE FACULTY  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

RESEARCH ENSCI 699 VAR. CREDITS  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

**ENVIRONMENTAL STUDIES**

ENVIRONMNTL GEOLOGY ENV S 101 3 CREDITS  
3418005 1 MWF 10:00-10:50 DAWSON J  
MEETS: AUG 26-DEC 20

INTRO OCEANOGRAPHY ENV S 108 3 CREDITS  
3044005 1 TR 2:10-3:25 WHITNEY N  
MEETS: AUG 26-DEC 20

INTR RENEW RESOURCS ENV S 120 3 CREDITS  
5141005 1 MWF 12:10-1:00  
MEETS: AUG 26-DEC 20

INTRO ENVRNMT ISSU ENV S 201 2 CREDITS  
2282005 1A TR 8:00-9:20, ARRANGED  
MEETS: OCT 21-DEC 20  
Note: SEC 1A RESTRICTED TO ENSCA, ENSCS MAJORS ONLY  
2282010 1B TR 8:00-9:20, ARRANGED  
MEETS: OCT 21-DEC 20  
2282015 1C TR 8:00-9:20, ARRANGED  
MEETS: OCT 21-DEC 20  
Note: SEC 1C RESTRICTED TO AG X, ENV S, OPEN MAJORS

ENVIRONMNTL GEOGRPHY ENV S 250 3 CREDITS  
6155005 1 MWF 10:00-10:50  
MEETS: AUG 26-DEC 20  
Note: SEC 1 RESTRICTED TO ENSCA, ENSCS MAJORS ONLY  
6155010 2 MWF 10:00-10:50  
MEETS: AUG 26-DEC 20  
Note: SEC 2 RESTRICTED TO A ECL, AG X, AGRON,  
BIOL, BIOLA, ENV S, FOR, GEOL, MTEOR, OPEN MAJORS

FND NAT R PLCY&HIST ENV S 270 3 CREDITS  
3572005 1 ARRANGED  
MEETS: AUG 26-DEC 20  
Note: Course delivery is WWW

ENVIRONMNTL PLANNING ENV S 293 3 CREDITS  
Prereq: SOPHOMORE CLASSIFICATION  
7576005 1 TR 12:40-2:00  
MEETS: AUG 26-DEC 20

ECOFEMINISM ENV S 320 3 CREDITS  
Prereq: WGS 201 OR 3 CREDITS IN WGS AT THE  
300 LEVEL OR ABOVE  
Note: Meets U.S. diversity reqmt  
2865005 1 W 3:10-5:40  
MEETS: AUG 26-DEC 20

WORLD FOOD ISSUES ENV S 342 3 CREDITS  
Prereq: JUNIOR CLASSIFICATION  
Note: Meets international perspectives reqmt  
1733005 1 MWF 11:00-11:50  
MEETS: AUG 26-DEC 20  
Note: SEC 1 RESTRICTED TO AGRON, CS A, CS H,  
DIETA, DIETH, FS A, FS H, NS A, NS H, PDEXA,  
PDEXH MAJORS ONLY  
1733010 2 TR 9:30-10:50  
MEETS: AUG 26-DEC 20  
1733015 3 TR 12:40-2:00  
MEETS: AUG 26-DEC 20

ENVIRONMENTAL STUDIES (CONTINUED)

EVENT MANAGEMENT (CONTINUED)

WORLD FOOD ISSUES ENV S 342 3 CREDITS  
 1733020 4 TR 11:00-12:20  
 MEETS: AUG 26-DEC 20

POPULATION & SOCIETY ENV S 345 3 CREDITS  
 Prereq: SOC 130 OR SOC 134  
 Note: Meets international perspectives reqmt  
 3462005 1 MWF 1:10-2:00  
 MEETS: AUG 26-DEC 20

U.S. ENVIRNMTL HIST ENV S 363 3 CREDITS  
 Prereq: SOPHOMORE CLASSIFICATION  
 2269005 1 MWF 12:10-1:00 COURTWRIGHT J  
 MEETS: AUG 26-DEC 20

INTRO ENVIRNMTL SYS ENV S 381 3- 4 CREDITS  
 Prereq: 12 CREDITS OF NATURAL SCIENCE INCLUDING  
 BIOLOGY AND CHEMISTRY  
 Note: COURSE ONLY OFFERED FOR 3 CREDITS FALL 2019.  
 SEC 1A,2A,ETC. RESTRICTED TO ENSCA, ENSCS  
 MAJORS ONLY. SEC 1B,2B,ETC. RESTRICTED TO MAJORS  
 OTHER THAN ENSCA, ENSCS.  
 2312005 1A ARRANGED  
 TR 11:00-1:00  
 MEETS: AUG 26-DEC 20

2312010 1B ARRANGED  
 TR 11:00-1:00  
 MEETS: AUG 26-DEC 20

2312015 2A ARRANGED, TR 1:10-3:00  
 MEETS: AUG 26-DEC 20

2312020 2B ARRANGED, TR 1:10-3:00  
 MEETS: AUG 26-DEC 20

2312025 3A ARRANGED, TR 3:10-5:00  
 MEETS: AUG 26-DEC 20

2312030 3B ARRANGED, TR 3:10-5:00  
 MEETS: AUG 26-DEC 20

ENVIRONMENTL SOCIOL ENV S 382 3 CREDITS  
 Prereq: SOC 130, SOC 134, OR 3 CREDITS OF ENV S  
 7579005 1 TR 8:00-9:20  
 MEETS: AUG 26-DEC 20

INTERNSH ENVIR STDI ENV S 390 VAR. CREDITS  
 Prereq: APPROVAL OF THE ENV S COORDINATOR  
 Satisfactory-Fail Only.  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

CONTRV NAT RSRC MGT ENV S 460 3 CREDITS  
 Prereq: NREM 120, AND A ECL 312 OR NREM 301, AND  
 JUNIOR CLASSIFICATION  
 2880005 1 MW 1:10-2:30  
 MEETS: AUG 26-DEC 20

2880010 2 MW 4:10-5:30  
 MEETS: AUG 26-DEC 20

INDEPENDENT STUDY ENV S 490 VAR. CREDITS  
 Prereq: PERMISSION OF INSTRUCTOR AND APPROVAL OF  
 ENV S COORDINATOR  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

**EVENT MANAGEMENT**

DIGTL PRODCTN EVENT EVENT 212 3 CREDITS  
 Note: COURSE RESTRICTED TO EVENT MAJORS ONLY  
 0010005 1 M 1:10-3:40 ARRANGED  
 MEETS: AUG 26-DEC 20

0010010 2 W 1:10-3:40 ARRANGED  
 MEETS: AUG 26-DEC 20

INTRO EVENT MANAGMT EVENT 271 3 CREDITS  
 6726005 1A TR 12:40-2:00  
 MEETS: AUG 26-DEC 20  
 Note: SEC 1A RESTRICTED TO EVENT MAJORS ONLY

6726010 1B TR 12:40-2:00  
 MEETS: AUG 26-DEC 20  
 Note: SEC 1B RESTRICTED TO HSP M, A M D MAJORS

6726015 1C TR 12:40-2:00  
 MEETS: AUG 26-DEC 20  
 Note: SEC 1C FOR MAJORS OTHER THAN A M D, EVENT,  
 HSP M

INTRO DIGITAL PROMO EVENT 277 3 CREDITS  
 Prereq: EVENT 271  
 7588005 1 TR 2:10-3:30  
 MEETS: AUG 26-DEC 20

7588010 2 TR 2:10-3:30  
 MEETS: AUG 26-DEC 20

CONTRMPRARY CLUB MGT EVENT 289 3 CREDITS  
 Prereq: HSP M 101  
 1429005 1A MWF 3:10-4:00  
 MEETS: AUG 26-DEC 20  
 Note: SEC 1A RESTRICTED TO HSP M MAJORS ONLY

1429010 1B MWF 3:10-4:00  
 MEETS: AUG 26-DEC 20  
 Note: SEC 1B RESTRICTED TO EVENT MAJORS ONLY

INCENTV MEETING MGT EVENT 328 3 CREDITS  
 Prereq: EVENT 271, CLASSIFICATION AS AN  
 EVENT MANAGEMENT MAJOR  
 5435005 1 MWF 8:00-8:50  
 MEETS: AUG 26-DEC 20

EVENT SALES EVENT 367 3 CREDITS  
 Prereq: EVENT 271, AESHM 340  
 7589005 1 TR 11:00-12:20  
 MEETS: AUG 26-DEC 20

CONFRNC&MTG PLANNNG EVENT 371 3 CREDITS  
 Prereq: EVENT 271 AND JUNIOR STANDING  
 Note: COURSE ONLY OFFERED FOR 3 CREDITS FALL 2019  
 1350005 1A MWF 12:10-1:00  
 MEETS: AUG 26-DEC 20  
 Note: SEC 1A RESTRICTED TO EVENT MAJORS ONLY

1350010 1B MWF 12:10-1:00  
 MEETS: AUG 26-DEC 20  
 Note: SEC 1B RESTRICTED TO A M D, HSP M MAJORS

1350015 1C MWF 12:10-1:00  
 MEETS: AUG 26-DEC 20  
 Note: SEC 1C RESTRICTED TO MAJORS OTHER THAN  
 A M D, EVENT, HSP M

WEDDING PLANNG &MGT EVENT 373 3 CREDITS  
 Prereq: EVENT 371, EVENT MANAGEMENT MAJOR  
 Note: COURSE RESTRICTED TO EVENT MAJORS ONLY  
 8128005 1 MWF 10:00-10:50  
 MEETS: AUG 26-DEC 20

NONPROFT FNDRAIS EV EVENT 379 3 CREDITS  
 Prereq: EVENT 271, PERMISSION OF INSTRUCTOR  
 5508005 1 TR 9:30-10:50  
 MEETS: AUG 26-DEC 20

SPECIAL EVENTS COORD EVENT 471 3 CREDITS  
 Prereq: EVENT 371; JUNIOR STANDING; PERMISSION  
 OF INSTRUCTOR  
 6904005 1A MWF 9:00-9:50  
 MEETS: AUG 26-DEC 20  
 Note: SEC 1A RESTRICTED TO EVENT MAJORS ONLY

6904010 1B MWF 9:00-9:50  
 MEETS: AUG 26-DEC 20  
 Note: Instructor permission required.

EVENT MGT PRODUCTN EVENT 485 3 CREDITS  
 Prereq: EVENT 471; CLASSIFICATION AS AN EVENT  
 MANAGEMENT MAJOR; APPLICATION AND INSTRUCTOR PERMISSN  
 7591005 1 MWF 12:10-1:00  
 MEETS: AUG 26-DEC 20

INDEP STDY CONFRNC EVENT 490B VAR. CREDITS  
 Prereq: APPROVAL OF PROGRAM COORDINATOR  
 Note: NO MORE THAN 9 CREDITS OF EVENT 290 AND  
 EVENT 490 MAY BE APPLIED TOWARD GRADUATION  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

IND STDY SPCL EVNTS EVENT 490C VAR. CREDITS  
 Prereq: APPROVAL OF PROGRAM COORDINATOR  
 Note: NO MORE THAN 9 CREDITS OF EVENT 290 AND  
 EVENT 490 MAY BE APPLIED TOWARD GRADUATION  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

IND STUDY EVENT MGT EVENT 490D VAR. CREDITS  
 Note: NO MORE THAN 9 CREDITS OF EVENT 290 AND  
 EVENT 490 MAY BE APPLIED TOWARD GRADUATION  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

**FAMILY&CONSUMER SCIENCES ED&STUDIES**

PRO ROLES FAMILY SCI FCEDS 206 2 CREDITS  
 Prereq: CREDIT OR CONCURRENT ENROLLMENT IN  
 HD FS 103  
 Note: CLASS MEETS MONDAYS AND ALTERNATE WEDNESDAYS.  
 SEE SYLLABUS FOR DETAILS.  
 3974005 1 MW 10:00-10:50  
 ARRANGED  
 MEETS: AUG 26-DEC 20

EDU PRIN FAMILY SCI FCEDS 306 4 CREDITS  
 Prereq: 15 CREDITS IN FAMILY AND CONSUMER  
 SCIENCES SUBJECT MATTER  
 3982005 1 T 3:10-5:00  
 R 3:10-5:00, ARRANGED  
 MEETS: AUG 26-DEC 20

SUPR TCHG VOC FAMLY FCEDS 417A 3- 8 CREDITS  
 Prereq: FCEDS 413, 24 CR IN FAMILY & CONSUMER  
 SCI SUBJECT MATTER, 2.50 CUM GPA, FULL ADMISSION TO  
 TEACHER EDUCATION. ADVANCE RESERVATION REQUIRED  
 Note: RESTRICTED TO STUDENTS WITH ADMISSION TO  
 THE UNIVERSITY TEACHER EDUCATION PROGRAM  
 3987005 1 ARRANGED  
 MEETS: AUG 26-DEC 20

FAMILY&CONSUMER SCIENCES ED&STUDIES (CONTINUED)

SUPV TCHG FAMLY SCI FCEDS 417B 3- 8 CREDITS  
 Prereq: FCEDS 413, 24 CR IN FAMILY & CONSUMER  
 SCI SUBJECT MATTER, 2.50 CUM GPA, FULL ADMISSION TO  
 TEACHER EDUCATION. ADVANCE RESERVATION REQUIRED  
 Note: RESTRICTED TO STUDENTS WITH FULL ADMISSION TO  
 THE UNIVERSITY TEACHER EDUCATION PROGRAM  
 3988005 1 ARRANGED  
 MEETS: AUG 26-DEC 20

PRE-TCHG PRCTCM:LAB FCEDS 480A 1 CREDIT  
 Prereq: FCEDS 306, ADMISSION TO TEACHER EDUCATION  
 Satisfactory-Fail Only.  
 9460005 1 ARRANGED  
 MEETS: AUG 26-DEC 20

PRE-TCHG PRA:DV SET FCEDS 480B 1 CREDIT  
 Prereq: FCEDS 306, ADMISSION TO TEACHER EDUCATION  
 Satisfactory-Fail Only.  
 9484005 1 ARRANGED  
 MEETS: AUG 26-DEC 20

SUPV EXPRNC COMMUNC FCEDS 491A 3- 8 CREDITS  
 Prereq: HD FS 449; 24 CREDITS IN FAMILY AND  
 CONSUMER SCIENCES; RESERVATION REQUIRED  
 Satisfactory-Fail Only.  
 2261005 1 ARRANGED  
 MEETS: AUG 26-DEC 20

SUPV EXPRNC PRO STU FCEDS 491B 3- 8 CREDITS  
 Prereq: HD FS 418B; 24 CREDITS IN FAMILY AND  
 CONSUMER SCIENCES; RESERVATION REQUIRED  
 Satisfactory-Fail Only.  
 2272005 1 ARRANGED  
 MEETS: AUG 26-DEC 20

**FINANCE**

PRINCIPL OF FINANCE FIN 301 3 CREDITS  
 Prereq: ACCT 284, ECON 101, STAT 226  
 Note: SEC 1-9 AND 12 RESTRICTED TO ACCT, AG B, AN S,  
 ACSCI, BUS S, BUS U, BUSEC, DY S, FIN, MGMT, MIS,  
 MKT, SCM UNDERGRAD MAJORS ONLY.  
 SEC 10, 11 RESTRICTED TO MAJORS OTHER THAN ACSCI,  
 ACCT, AG B, AN S, BUS S, BUS U, BUSEC, DY S, FIN,  
 MGMT, MIS, MKT, P BUS, SCM. COURSE NOT OPEN TO P BUS.  
 GRAD STUDENTS GO TO 1200 GERDIN FOR PERMISSION TO ADD

3689005 1 TR 8:00-9:15  
 MEETS: AUG 26-DEC 20

3689010 2 TR 9:30-10:45  
 MEETS: AUG 26-DEC 20

3689015 3 TR 11:00-12:20  
 MEETS: AUG 26-DEC 20

3689020 4 TR 12:40-1:55  
 MEETS: AUG 26-DEC 20

3689025 5 TR 2:10-3:25  
 MEETS: AUG 26-DEC 20

3689030 6 TR 3:40-4:55  
 MEETS: AUG 26-DEC 20

3689035 7 MWF 12:10-1:00  
 MEETS: AUG 26-DEC 20

3689040 8 MWF 1:10-2:00  
 MEETS: AUG 26-DEC 20

3689045 9 TR 5:10-6:25PM  
 MEETS: AUG 26-DEC 20

3689050 10 TR 5:10-6:25PM  
 MEETS: AUG 26-DEC 20

3689055 11 TR 11:00-12:15  
 MEETS: AUG 26-DEC 20

3689060 12 TR 11:00-12:15  
 MEETS: AUG 26-DEC 20

CORPORATE FINANCE FIN 310 3 CREDITS  
 Prereq: FIN 301  
 Note: SEC A1,B1,ETC. RESTRICTED TO FIN MAJORS ONLY.  
 SEC A2,B2,ETC. RESTRICTED TO ACCT, ACSCI, BUS U,  
 BUSEC, ENTSP, MGMT, MIS, MKT, SCM MAJORS YR 1-4 ONLY  
 & BUS S.

3691005 A1 MWF 12:10-1:00  
 MEETS: AUG 26-DEC 20

3691010 A2 MWF 12:10-1:00  
 MEETS: AUG 26-DEC 20

3691015 B1 MWF 9:00-9:50  
 MEETS: AUG 26-DEC 20

3691020 B2 MWF 9:00-9:50  
 MEETS: AUG 26-DEC 20

3691025 C1 MWF 11:00-11:50  
 MEETS: AUG 26-DEC 20

3691030 C2 MWF 11:00-11:50  
 MEETS: AUG 26-DEC 20

3691035 D1 MWF 8:00-8:50  
 MEETS: AUG 26-DEC 20

3691040 D2 MWF 8:00-8:50  
 MEETS: AUG 26-DEC 20

FINANCE (CONTINUED)

INVESTMENTS FIN 320 3 CREDITS  
 Prereq: FIN 301  
 Note: SEC A1,B1,ETC. RESTRICTED TO FIN MAJORS ONLY.  
 SEC A2,B2,ETC. RESTRICTED TO ACCT, ACSCI, BUS S,  
 BUS U, BUSEC, ENTSP, MGMT, MIS, MKT, SCM UNDERGRAD  
 MAJORS. COURSE NOT OPEN TO P BUS.

3692005 A1 TR 8:00-9:15  
 MEETS: AUG 26-DEC 20

3692010 A2 TR 8:00-9:15  
 MEETS: AUG 26-DEC 20

3692015 B1 TR 12:40-1:55  
 MEETS: AUG 26-DEC 20

3692020 B2 TR 12:40-1:55  
 MEETS: AUG 26-DEC 20

3692025 C1 TR 3:40-4:55  
 MEETS: AUG 26-DEC 20

3692030 C2 TR 3:40-4:55  
 MEETS: AUG 26-DEC 20

3692035 D1 TR 2:10-3:25  
 MEETS: AUG 26-DEC 20

3692040 D2 TR 2:10-3:25  
 MEETS: AUG 26-DEC 20

3692045 E1 MW 5:10-6:25PM  
 MEETS: AUG 26-DEC 20

3692050 E2 MW 5:10-6:25PM  
 MEETS: AUG 26-DEC 20

FIXD INCOME SECURTI FIN 327 3 CREDITS  
 Prereq: FIN 301  
 Note: COURSE RESTRICTED TO ACCT, ACSCI, BUS S, BUS U,  
 BUSEC, ENTSP, FIN, MGMT, MIS, MKT, SCM MAJORS.  
 GRADUATE STUDENTS GO TO 1200 GERDIN FOR PERMISSION  
 TO ADD.

8796005 1 MWF 10:00-10:50  
 MEETS: AUG 26-DEC 20

FINAN MKTS&INSTITUT FIN 330 3 CREDITS  
 Prereq: FIN 301  
 Note: SEC A1,B1 RESTRICTED TO FIN MAJORS ONLY.  
 SEC A2,B2 RESTRICTED TO MAJORS OTHER THAN  
 FIN, P BUS.

6829005 A1 MWF 10:00-10:50  
 MEETS: AUG 26-DEC 20

6829010 A2 MWF 10:00-10:50  
 MEETS: AUG 26-DEC 20

6829015 B1 MWF 2:10-3:00  
 MEETS: AUG 26-DEC 20

6829020 B2 MWF 2:10-3:00  
 MEETS: AUG 26-DEC 20

PERSNL RISK MGT&INS FIN 361 3 CREDITS  
 Prereq: ECON 101  
 Note: COURSE NOT OPEN TO P BUS. GRADUATE STUDENTS  
 GO TO 1200 GERDIN FOR PERMISSION TO REGISTER.

3693005 A1 TR 9:30-10:45  
 MEETS: AUG 26-DEC 20

Note: SEC A1 RESTRICTED TO FIN MAJORS ONLY

3693010 A2 TR 9:30-10:45  
 MEETS: AUG 26-DEC 20

Note: SEC A2 RESTRICTED TO ACCT, ACSCI, BUS S,  
 BUSEC, F C S, MGMT, MKT, SCM, ENTSP MAJORS ONLY

3693015 B1 TR 11:00-12:15  
 MEETS: AUG 26-DEC 20

3693020 B2 TR 11:00-12:15  
 MEETS: AUG 26-DEC 20

Note: SEC B2 RESTRICTED TO ACCT, ACSCI, BUS S,  
 BUSEC, F C S, MGMT, MKT, SCM, ENTSP MAJORS ONLY

REAL ESTATE PRINCIP FIN 371 3 CREDITS  
 Prereq: ECON 101  
 Note: SEC A1,B1 RESTRICTED TO FIN MAJORS ONLY.  
 SEC A2,B2 RESTRICTED TO MAJORS OTHER THAN  
 FIN, P BUS.  
 GRAD STUDENTS GO TO 1200 GERDIN FOR PERMISSION TO ADD

3690005 A1 MWF 1:10-2:00  
 MEETS: AUG 26-DEC 20

3690010 A2 MWF 1:10-2:00  
 MEETS: AUG 26-DEC 20

3690015 B1 W 6:40-9:25PM  
 MEETS: AUG 26-DEC 20

3690020 B2 W 6:40-9:25PM  
 MEETS: AUG 26-DEC 20

BUS FINANCG DECISNS FIN 415 3 CREDITS  
 Prereq: FIN 301  
 Note: SEC A1,B1 RESTRICTED TO FIN MAJORS ONLY. SEC A2,  
 B2 RESTRICTED TO ACCT, ACSCI, BUS U, BUSEC, ENTSP,  
 I BUS, MGMT, MIS, MKT, SCM UNDERGRAD MAJORS ONLY.  
 COURSE NOT OPEN TO P BUS. GRADUATE STUDENTS GO  
 TO 1200 GERDIN FOR PERMISSION TO ADD.

3698005 A1 M 6:40-9:25PM  
 MEETS: AUG 26-DEC 20

3698010 A2 M 6:40-9:25PM  
 MEETS: AUG 26-DEC 20

3698015 B1 T 6:40-9:25PM  
 MEETS: AUG 26-DEC 20

3698020 B2 T 6:40-9:25PM  
 MEETS: AUG 26-DEC 20

## FINANCE

(CONTINUED)

FIN FUTURES&OPTIONS FIN 424 3 CREDITS  
Prereq: FIN 320 AND STAT 326  
Note: COURSE NOT OPEN TO P BUS MAJORS. GRADUATE STUDENTS GO TO 1200 GERDIN FOR PERMISSION TO ADD.  
3697005 A1 TR 12:40-2:00  
MEETS: AUG 26-DEC 20  
Note: SEC A1 RESTRICTED TO FIN MAJORS ONLY  
3697010 A2 TR 12:40-2:00  
MEETS: AUG 26-DEC 20  
Note: SEC A2 RESTRICTED TO ACCT, ACSCI, BUS U, BUSEC, ENTSP, MGMT, MIS, MKT, SCM UNDERGRAD MAJORS ONLY  
3697015 B1 TR 2:10-3:25  
MEETS: AUG 26-DEC 20  
Note: SEC B1 RESTRICTED TO FIN MAJORS ONLY  
3697020 B2 TR 2:10-3:25  
MEETS: AUG 26-DEC 20  
Note: SEC B2 RESTRICTED TO ACCT, ACSCI, BUS U, BUSEC, ENTSP, MGMT, MIS, MKT, SCM UNDERGRAD MAJORS ONLY

SECUR ANALY&PORTFOL FIN 425 3 CREDITS  
Prereq: FIN 320, STAT 326 AND PERMISSION OF INSTRUCTOR  
Note: SEE 2330 GERDIN - FINANCE DEPT FOR AN APPLICATION TO ENROLL.  
7201005 1 W 6:40-9:25PM  
MEETS: AUG 26-DEC 20  
Note: Instructor permission required.

BANK MGT DECISIONS FIN 445 3 CREDITS  
Prereq: STAT 326; FIN 330 OR ECON 353  
Note: COURSE NOT OPEN TO P BUS MAJORS. GRADUATE STUDENTS GO TO 1200 GERDIN FOR PERMISSION TO ADD.  
3696005 A1 M 6:40-9:25PM  
MEETS: AUG 26-DEC 20  
Note: SEC A1 RESTRICTED TO FIN MAJORS ONLY  
3696010 A2 M 6:40-9:25PM  
MEETS: AUG 26-DEC 20  
Note: SEC A2 RESTRICTED TO ACCT, ACSCI, BUS U, BUSEC, ENTSP, MGMT, MIS, MKT, SCM UNDERGRAD MAJORS ONLY

ANALYTICAL FINANCE FIN 450 3 CREDITS  
Prereq: STAT 326; ECON 301 OR FIN 301  
8455005 A1 MWF 8:00-8:50  
MEETS: AUG 26-DEC 20  
Note: SEC A1 RESTRICTED TO UNDERGRADUATE STUDENTS EXCEPT P BUS  
8455010 A2 MWF 8:00-8:50  
MEETS: AUG 26-DEC 20  
Note: SEC A2 RESTRICTED TO FIN GRADUATES

CORPOR RISK MGT&INS FIN 462 3 CREDITS  
Prereq: FIN 301 AND STAT 326  
Note: COURSE NOT OPEN TO P BUS MAJORS. GRADUATE STUDENTS GO TO 1200 GERDIN FOR PERMISSION TO ADD.  
9268005 A1 MWF 1:10-2:00  
MEETS: AUG 26-DEC 20  
Note: SEC A1 RESTRICTED TO FINANCE MAJORS ONLY  
9268010 A2 MWF 1:10-2:00  
MEETS: AUG 26-DEC 20  
Note: SEC A2 RESTRICTED TO ACCT, BUS U, BUSEC, ENTSP, MGMT, MIS, MKT, SCM UNDERGRAD MAJORS ONLY  
9268015 B1 MWF 12:10-1:00  
MEETS: AUG 26-DEC 20  
Note: SEC B1 RESTRICTED TO FINANCE MAJORS ONLY  
9268020 B2 MWF 12:10-1:00  
MEETS: AUG 26-DEC 20  
Note: SEC B2 RESTRICTED TO ACCT, BUS U, BUSEC, ENTSP, MGMT, MIS, MKT, SCM UNDERGRAD MAJORS ONLY

REAL ESTATE FINANCE FIN 472 3 CREDITS  
Prereq: FIN 301 AND STAT 326  
Note: SEC A1,B1 RESTRICTED TO FIN MAJORS ONLY. SEC A2,B2 RESTRICTED TO MAJORS OTHER THAN FIN, P BUS. GRADUATE STUDENTS BY SIGNATURE FROM 1200 GERDIN.  
4555005 A1 TR 5:10-6:25PM  
MEETS: AUG 26-DEC 20  
4555010 A2 TR 5:10-6:25PM  
MEETS: AUG 26-DEC 20  
4555015 B1 TR 9:30-10:45  
MEETS: AUG 26-DEC 20  
4555020 B2 TR 9:30-10:45  
MEETS: AUG 26-DEC 20

INTRNATIONL FINANCE FIN 480 3 CREDITS  
Prereq: FIN 310 OR FIN 320 OR FIN 330  
Note: COURSE NOT OPEN TO P BUS MAJORS. GRAD STUDENTS GO TO 1200 GERDIN FOR PERMISSION TO ADD.  
5131005 A1 MWF 11:00-11:50  
MEETS: AUG 26-DEC 20  
Note: SEC A1 RESTRICTED TO FIN, I BUS MAJORS ONLY  
5131010 A2 MWF 11:00-11:50  
MEETS: AUG 26-DEC 20  
Note: SEC A2 RESTRICTED TO ACCT, ACSCI, BUS U, BUSEC, ENTSP, MGMT, MIS, MKT, SCM UNDERGRAD MAJORS ONLY  
5131015 B1 MWF 3:10-4:00  
MEETS: AUG 26-DEC 20  
Note: SEC B1 RESTRICTED TO FIN, I BUS MAJORS ONLY  
5131020 B2 MWF 3:10-4:00  
MEETS: AUG 26-DEC 20  
Note: SEC B2 RESTRICTED TO ACCT, ACSCI, BUS U, BUSEC, ENTSP, MGMT, MIS, MKT, SCM UNDERGRAD MAJORS ONLY

## FINANCE

(CONTINUED)

INDEPENDENT STUDY FIN 490 1- 3 CREDITS  
Prereq: FIN 301, STAT 326 AND PERMISSION OF INSTRUCTOR  
Note: Instructor permission required.  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

ADV CORPORAT FINANC FIN 510 3 CREDITS  
Prereq: FIN 501  
Note: RESTRICTED TO BUSINESS COLLEGE GRADUATE STUDENTS  
3703005 1 R 6:40-10:00PM  
MEETS: SEPT 5-NOV 21

FINANC ANLYS&VALUAT FIN 530 3 CREDITS  
Prereq: FIN 501  
Note: RESTRICTED TO BUSINESS COLLEGE GRADUATE STUDENTS  
1554005 1 S 8:30-11:50  
MEETS: SEPT 7-NOV 23

FINANCL DERIVATIVES FIN 534 3 CREDITS  
Prereq: GRADUATE CLASSIFICATION  
Note: RESTRICTED TO BUSINESS COLLEGE GRADUATE STUDENTS  
3450005 1 TR 2:10-3:55  
MEETS: AUG 27-NOV 14

FINANCL ECONMETRICS FIN 550 3 CREDITS  
Prereq: FIN 501, ECON 571  
Note: RESTRICTED TO BUSINESS COLLEGE GRADUATE STUDENTS  
1597005 1 M 6:40-10:00PM  
MEETS: SEPT 2-NOV 18

SPECIAL TOPICS FIN 590 1- 3 CREDITS  
Prereq: PERMISSION OF INSTRUCTOR  
Note: RESTRICTED TO BUSINESS COLLEGE GRADUATE STUDENTS  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

**FOOD SCIENCE & HUMAN NUTRITION**

FOOD & THE CONSUMER FS HN 101 3 CREDITS  
Prereq: HIGH SCHOOL BIOLOGY AND CHEMISTRY OR 3 CREDITS EACH OF BIOLOGY AND CHEMISTRY  
3659005 1 MWF 11:00-11:50  
MEETS: AUG 26-DEC 20

SPORT PRFRMC NUTRIT FS HN 102 1 CREDIT  
1873005 1 TR 11:00-11:50  
MEETS: OCT 21-DEC 20

INTRO CULINRY SKLLS FS HN 104 1 CREDIT  
Note: COURSE RESTRICTED TO CUFSA, CUFSA MAJORS ONLY  
8416005 1 ARRANGED  
MEETS: AUG 26-DEC 20

PROFESSNL&EDUC PREP FS HN 110 1 CREDIT  
Satisfactory-Fail Only.  
3661005 1 TR 2:10-3:00  
MEETS: AUG 26-OCT 18  
Note: SEC 1 RESTRICTED TO P DTA, P DTH, PDEXA, AND PDEXH FRESHMEN ONLY  
3661010 2 TR 2:10-3:00  
MEETS: AUG 26-OCT 18  
3661015 3 TR 2:10-3:00  
MEETS: AUG 26-OCT 18  
Note: SEC 3 FOR TRANSFER STUDENTS ONLY  
3661020 4 ARRANGED  
MEETS: AUG 26-OCT 18  
Note: Course delivery is WWW

FUND OF FOOD PREPAR FS HN 111 2 CREDITS  
Prereq: FS HN 101 OR FS HN 167; HIGH SCHOOL CHEMISTRY OR CHEM 160; CONCURRENT ENROLLMENT IN FS HN 115.  
Note: COURSE RESTRICTED TO HRI, HSP M, FCEDS, NS A, NS H, EVENT MAJORS ONLY  
3602005 1 MW 9:00-9:50  
MEETS: AUG 26-DEC 20

FOOD PREPARATN LAB FS HN 115 1 CREDIT  
Prereq: CREDIT OR ENROLLMENT IN FS HN 111 OR FS HN 214  
2922005 1 M 2:10-5:00  
MEETS: AUG 26-DEC 20  
2922010 2 W 2:10-5:00  
MEETS: AUG 26-DEC 20  
2922015 3 T 1:10-4:00  
MEETS: AUG 26-DEC 20  
2922020 4 R 9:00-11:50  
MEETS: AUG 26-DEC 20  
2922025 5 T 9:00-11:50  
MEETS: AUG 26-DEC 20

BIOCHEMISTRY OF BEER FS HN 120 2 CREDITS  
Note: CREDIT IN BBMB 120/FS HN 120 MAY ONLY BE APPLIED TOWARD GRADUATION AS ELECTIVE CREDIT BY NATURAL SCIENCE MAJORS  
2283005 1 TR 11:00-11:50  
MEETS: AUG 26-DEC 20

## FOOD SCIENCE &amp; HUMAN NUTRITION (CONTINUED)

BIOCHEM OF BEER LAB FS HN 120L 1 CREDIT  
Prereq: CREDIT OR ENROLLMENT FOR CREDIT IN  
BBMB 120 OR FS HN 120  
Note: CREDIT IN BBMB 120L/FS HN 120L MAY ONLY BE  
APPLIED TOWARD GRADUATION AS ELECTIVE CREDIT BY  
NATURAL SCIENCE MAJORS  
THERE IS A \$125 LAB FEE FOR THIS COURSE.  
9493005 1 F 9:00-11:50  
MEETS: AUG 26-DEC 20

INTRO HUMAN NUTRITN FS HN 167 3 CREDITS  
Prereq: HIGH SCHOOL BIOLOGY OR 3 CR OF BIOLOGY  
3600005 1 MWF 9:00-9:50  
MEETS: AUG 26-DEC 20  
3600015 2 MWF 1:10-2:00  
MEETS: AUG 26-DEC 20

ISSU FOOD SCI&NUTRI FS HN 203 1 CREDIT  
8685005 1 W 2:10-3:00  
MEETS: AUG 26-DEC 20  
8685010 2 T 4:10-5:00  
MEETS: AUG 26-DEC 20  
8685015 3 F 3:10-4:00  
MEETS: AUG 26-DEC 20  
8685020 4 F 1:10-2:00  
MEETS: AUG 26-DEC 20

SCIENTIF STUDY FOOD FS HN 214 3 CREDITS  
Prereq: FS HN 167 OR FS HN 265; CHEM 231 OR CHEM  
331. CONCURRENT ENROLLMENT IN FS HN 115 OR FS HN 215  
REQUIRED.  
3603005 1 MWF 1:10-2:00  
MEETS: AUG 26-DEC 20

ADV FOOD PREPAR LAB FS HN 215 2 CREDITS  
Prereq: CREDIT OR ENROLLMENT IN FS HN 214  
2928005 1 TR 9:00-11:50  
MEETS: AUG 26-DEC 20  
2928010 2 TR 1:10-4:00  
MEETS: AUG 26-DEC 20

FUND NUTR BIOCHM&MT FS HN 264 3 CREDITS  
Prereq: FS HN 167; CHEM 163, CHEM 163L; BIOL 211  
2969005 1 MWF 10:00-10:50  
MEETS: AUG 26-DEC 20

FOOD CHEMISTRY FS HN 311 3 CREDITS  
Prereq: ENGL 250; CHEM 231 OR CHEM 331; CREDIT OR  
ENROLLMENT IN BBMB 301  
3669005 1 TR 12:40-2:00  
MEETS: AUG 26-DEC 20

FOOD CHEMISTRY LAB FS HN 311L 1 CREDIT  
3083005 1 T 2:10-5:00  
MEETS: AUG 26-DEC 20  
3083010 2 R 2:10-5:00  
MEETS: AUG 26-DEC 20  
3083015 3 F 1:10-4:00  
MEETS: AUG 26-DEC 20

PRO DVLPM FOOD SCI FS HN 315 2 CREDITS  
Prereq: CLASSIFICATION AS A JUNIOR OR SENIOR  
IN A FOOD SCIENCE MAJOR  
7666005 1 MW 11:00-11:50  
MEETS: AUG 26-DEC 20

FOUNDATNS DIETETIC FS HN 340 1 CREDIT  
Prereq: CLASSIFICATION AS A DIET OR P DEX MAJOR  
Note: COURSE RESTRICTED TO DIETA, DIETH, PDEXA, PDEXH  
JUNIORS AND SENIORS ONLY  
Satisfactory-Fail Only.  
3610005 1 TR 12:10-1:00  
MEETS: AUG 26-OCT 18

WORLD FOOD ISSUES FS HN 342 3 CREDITS  
Prereq: JUNIOR CLASSIFICATION  
Note: Meets international perspectives reqmt  
1923005 1 MWF 11:00-11:50  
MEETS: AUG 26-DEC 20  
Note: SEC 1 RESTRICTED TO AGRON, CUFSA, CUFSH,  
DIETA, DIETH, FS A, FS H, NS A, NS H, PDEXA,  
PDEXH MAJORS ONLY  
1923010 2 TR 9:30-10:50  
MEETS: AUG 26-DEC 20  
1923015 3 TR 12:40-2:00  
MEETS: AUG 26-DEC 20  
1923020 4 TR 11:00-12:20  
MEETS: AUG 26-DEC 20

ADV NUTRI&REG METAB FS HN 360 3 CREDITS  
Prereq: ENGL 250, FS HN 265, 3 CREDITS IN  
BIOCHEMISTRY; 3 CREDITS IN PHYSIOLOGY RECOMMENDED  
3607005 1 MWF 9:00-9:50  
MEETS: AUG 26-DEC 20

## FOOD SCIENCE &amp; HUMAN NUTRITION (CONTINUED)

NUTRI&PREVNT DISEAS FS HN 364 3 CREDITS  
Prereq: FS HN 264 OR FS HN 265 OR ACCEPTED INTO  
NURSING MAJOR  
2976005 1 MWF 2:10-3:00  
MEETS: AUG 26-DEC 20

MED TERMNOL FOR PRO FS HN 367 1 CREDIT  
9487005 1 ARRANGED  
MEETS: AUG 26-DEC 20  
Note: Course delivery is WWW

SENSORY EVALUA FOOD FS HN 406 3 CREDITS  
Prereq: FS HN 214 OR FS HN 311 OR AN S 360; 3  
CREDITS IN STATISTICS  
3609005 1 MW 1:10-2:00  
T 9:00-11:50  
MEETS: AUG 26-DEC 20  
3609010 2 MW 1:10-2:00  
T 2:10-5:00  
MEETS: AUG 26-DEC 20  
3609015 3 MW 1:10-2:00  
R 2:10-5:00  
MEETS: AUG 26-DEC 20

FOOD ANALYSIS FS HN 410 3 CREDITS  
Prereq: FS HN 214 OR FS HN 311 OR CHEM 211  
3668005 1 MW 12:10-1:00  
M 2:10-5:00  
MEETS: AUG 26-DEC 20  
3668010 2 MW 12:10-1:00  
W 2:10-5:00  
MEETS: AUG 26-DEC 20

FOOD INGRED INTERAC FS HN 411 2 CREDITS  
Prereq: FS HN 214 OR FS HN 311 AND FS HN 115,  
FS HN 215 OR FS HN 311L.  
3613005 1 M 8:00-8:50  
R 9:00-11:50  
MEETS: AUG 26-DEC 20  
3613010 2 M 8:00-8:50  
R 2:10-5:00  
MEETS: AUG 26-DEC 20  
3613015 3 M 8:00-8:50  
F 9:00-11:50  
MEETS: AUG 26-DEC 20  
Note: SEC 3 RESTRICTED TO DIETA, DIETH, D EXA,  
D EXH, FSHNA, FSHNH, KIN MAJORS ONLY

FOOD MICROBIOLOGY FS HN 420 3 CREDITS  
Prereq: MICRO 201 OR MICRO 302  
3670005 1 MWF 10:00-10:50  
MEETS: AUG 26-DEC 20

ISSUES FOOD&SOCIETY FS HN 442 2 CREDITS  
Prereq: FS HN 242, FS HN 342  
1122005 1 T 3:40-5:30  
MEETS: AUG 26-DEC 20

GLOBAL NUTRITION FS HN 460 3 CREDITS  
8503005 1 MW 2:10-3:30  
MEETS: AUG 26-DEC 20

MED NUTRI&DISEASE I FS HN 461 4 CREDITS  
Prereq: FS HN 360; FS HN 361; FS HN 367;  
BIOL 256 AND BIOL 256L OR BIOL 306 OR BIOL 335  
Note: COURSE RESTRICTED TO DIETA, DIETH, NS A, NS H  
MAJORS ONLY  
3623005 1 TR 10:00-11:50  
MEETS: AUG 26-DEC 20

COMMUNITY NUTRITION FS HN 463 3 CREDITS  
Prereq: FS HN 265 OR FS HN 360; FS HN 366  
RECOMMENDED  
Note: Meets U.S. diversity reqmt  
3614005 1 TR 12:40-2:00  
MEETS: AUG 26-DEC 20

NUTR COUNS&ED METHD FS HN 466 3 CREDITS  
Prereq: FS HN 361 AND FS HN 362  
3616005 1 MW 9:00-10:50  
MEETS: AUG 26-DEC 20

FOOD PROCESSING FS HN 471 3 CREDITS  
Prereq: FS HN 351 OR A E 451 OR CH E 357;  
MICRO 201 OR MICRO 302  
3665005 1 MWF 9:00-9:50  
MEETS: AUG 26-DEC 20

FOOD PROCESSING LAB FS HN 472 2 CREDITS  
Prereq: CREDIT OR ENROLLMENT IN FS HN 471  
OR A E 451 OR CH E 357  
3666005 1 M 2:10-3:00  
R 1:10-4:00  
MEETS: AUG 26-DEC 20  
3666010 2 M 2:10-3:00  
R 12:10-4:00  
MEETS: AUG 26-DEC 20  
3666015 3 M 2:10-3:00  
R 12:10-4:00  
MEETS: AUG 26-DEC 20

## FOOD SCIENCE &amp; HUMAN NUTRITION (CONTINUED)

PRO COMM FD SC&NUTR FS HN 480 1 CREDIT  
Prereq: FS HN 203, SENIOR CLASSIFICATION IN THE DEPARTMENT  
3611005 1 W 11:00-11:50  
MEETS: AUG 26-DEC 20  
3611010 2 F 12:10-1:00  
MEETS: AUG 26-DEC 20

IND STUDY DIETETICS FS HN 490A 1- 6 CREDITS  
Prereq: PERMISSION OF INSTRUCTOR  
Note: NO MORE THAN 6 CREDITS OF FS HN 490 MAY BE APPLIED TOWARD GRADUATION  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

INDEP STDY FOOD SCI FS HN 490B 1- 6 CREDITS  
Prereq: PERMISSION OF INSTRUCTOR  
Note: NO MORE THAN 6 CREDITS OF FS HN 490 MAY BE APPLIED TOWARD GRADUATION  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

IND STUDY NUTRITION FS HN 490C 1- 6 CREDITS  
Prereq: PERMISSION OF INSTRUCTOR  
Note: NO MORE THAN 6 CREDITS OF FS HN 490 MAY BE APPLIED TOWARD GRADUATION  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

IND STUDY INT'L EXP FS HN 490D 1- 6 CREDITS  
Prereq: PERMISSION OF INSTRUCTOR  
Note: NO MORE THAN 6 CREDITS OF FS HN 490 MAY BE APPLIED TOWARD GRADUATION  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

IND STUDY ENTREPREN FS HN 490E 1- 6 CREDITS  
Prereq: PERMISSION OF INSTRUCTOR  
Note: NO MORE THAN 6 CREDITS OF FS HN 490 MAY BE APPLIED TOWARD GRADUATION  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

INDEP STUDY HONORS FS HN 490H 1- 6 CREDITS  
Prereq: PERMISSION OF INSTRUCTOR, MEMBERSHIP IN UNIVERSITY HONORS PROGRAM  
Note: NO MORE THAN 6 CREDITS OF FS HN 490 MAY BE APPLIED TOWARD GRADUATION. COURSE RESTRICTED TO MEMBERS OF THE UNIVERSITY HONORS PROGRAM.  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

SUPR WORK DIETETICS FS HN 491A 1- 4 CREDITS  
Prereq: ADVANCE APPROVAL OF INSTRUCTOR & ADVISER  
Note: NO MORE THAN 4 CREDITS OF FS HN 491A,B,C MAY BE APPLIED TOWARD GRADUATION  
Satisfactory-Fail Only.  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

SUPRV WORK FOOD SCI FS HN 491B 1- 4 CREDITS  
Prereq: ADVANCE APPROVAL OF INSTRUCTOR & ADVISER  
Note: NO MORE THAN 4 CREDITS OF FS HN 491A,B,C MAY BE APPLIED TOWARD GRADUATION  
Satisfactory-Fail Only.  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

SUPR WORK NUTRITION FS HN 491C 1- 4 CREDITS  
Prereq: ADVANCE APPROVAL OF INSTRUCTOR & ADVISER  
Note: NO MORE THAN 4 CREDITS OF FS HN 491A,B,C MAY BE APPLIED TOWARD GRADUATION  
Satisfactory-Fail Only.  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

SUPRV WORK CULINARY FS HN 491D 1- 4 CREDITS  
Prereq: ADVANCE APPROVAL OF INSTRUCTOR & ADVISER  
Satisfactory-Fail Only.  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

RSRCH CNCEPTS NUTRI FS HN 492 2 CREDITS  
Prereq: SENIOR CLASSIFICATION OR PERMISSION OF INSTRUCTOR; FS HN 360  
8460005 1 MW 2:10-3:00  
MEETS: AUG 26-DEC 20

PRACTICUM FS HN 495 2 CREDITS  
Prereq: SENIOR CLASSIFICATION IN NUTRITIONAL SCIENCE - NUTRITION AND WELLNESS OPTION OR PERMISSION OF INSTRUCTOR; FS HN 366; CREDIT OR ENROLLMENT IN FS HN 463  
Satisfactory-Fail Only.  
3048005 1 MW 10:00-10:50  
ARRANGED  
MEETS: AUG 26-OCT 18

COOPERATV EDUCATION FS HN 498 R CREDIT  
Prereq: PERMISSION OF THE DEPARTMENT CHAIR  
Satisfactory-Fail Only.  
8323005 1 ARRANGED  
MEETS: AUG 26-DEC 20

UNDERGRAD RESEARCH FS HN 499 1- 6 CREDITS  
Prereq: PERMISSION OF STAFF MEMBER WITH WHOM STUDENT PROPOSES TO WORK  
Note: NO MORE THAN 6 CREDITS OF FS HN 499 MAY BE APPLIED TOWARD GRADUATION  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

## FOOD SCIENCE &amp; HUMAN NUTRITION (CONTINUED)

SENSORY EVALUA FOOD FS HN 506 3 CREDITS  
Prereq: FS HN 214 OR FS HN 311 OR AN S 360; 3 CREDITS IN STATISTICS  
6209005 1 MW 1:10-2:00  
T 9:00-11:50  
MEETS: AUG 26-DEC 20  
6209010 2 MW 1:10-2:00  
T 2:10-5:00  
MEETS: AUG 26-DEC 20

INTEGRATED FOOD SCI FS HN 511 3 CREDITS  
Prereq: 3 CREDITS IN ORGANIC CHEMISTRY  
3606005 1 MWF 10:00-10:50  
MEETS: AUG 26-DEC 20

GUT MICROBIOME:HLTH FS HN 517 3 CREDITS  
Prereq: BASIC KNOWLEDGE IN MICROBIOLOGY  
7644005 1 TR 9:30-10:50  
MEETS: AUG 26-DEC 20

FOODBORNE TOXICANTS FS HN 529 2 CREDITS  
Prereq: A COURSE IN BIOCHEMISTRY; ENROLLMENT IN GP-IDEA FOOD SAFETY AND DEFENSE GRADUATE CERTIFICATE OR PERMISSION OF INSTRUCTOR.  
8339005 1 ARRANGED  
MEETS: AUG 26-DEC 20  
Note: Course delivery is WWW

INTR PROTEOMCS TCNQ FS HN 542E 1 CREDIT  
Satisfactory-Fail Only.  
7225005 1 TR 1:10-2:00  
TR 2:10-4:00  
MEETS: AUG 26-DEC 20

INTR METABLMCS TCNQ FS HN 542F 1 CREDIT  
Satisfactory-Fail Only.  
9017005 1 M 1:10-2:00  
M 2:10-4:00  
MEETS: AUG 26-DEC 20

GLOBAL NUTRITION FS HN 560 3 CREDITS  
6812005 1 MW 2:10-3:30  
MEETS: AUG 26-DEC 20

PROCESSED FOODS FS HN 575 3 CREDITS  
Prereq: FS HN 214 OR FS HN 311; A COURSE IN NUTRITION  
3642005 1 TR 8:00-9:20  
MEETS: AUG 26-DEC 20

ORIENT FS HN RESRCH FS HN 580 1 CREDIT  
Satisfactory-Fail Only.  
6294005 1 W 3:10-4:00  
MEETS: AUG 26-DEC 20

SPCL TOPICS NUTRITN FS HN 590A 1- 3 CREDITS  
Prereq: INSTRUCTOR PERMISSION  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

SPL TOPICS FOOD SCI FS HN 590B 1- 3 CREDITS  
Prereq: INSTRUCTOR PERMISSION  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

SPL TOPICS TEACHING FS HN 590C 1- 3 CREDITS  
Prereq: PERMISSION OF INSTRUCTOR  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

CREATIVE COMPONENT FS HN 599 VAR. CREDITS  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

ADV FOOD PROCESSING FS HN 611 3 CREDITS  
Prereq: FS HN 311, OR FS HN 471 OR FS HN 472 OR EQUIVALENT, OR FS HN 511  
5800005 1 MWF 2:10-3:00  
MEETS: AUG 26-DEC 20

RAPID MTH FD MICROB FS HN 627 2 CREDITS  
Prereq: FS HN 420 OR FS HN 421 OR FS HN 504  
8350005 1 TR 2:10-3:00  
MEETS: AUG 26-DEC 20

SEMINAR FS HN 681 1 CREDIT  
3648005 1 W 4:10-5:00  
MEETS: AUG 26-DEC 20

SEMINAR REFLECTION FS HN 682 R CREDIT  
Satisfactory-Fail Only.  
9178005 1 W 4:10-5:00  
MEETS: AUG 26-DEC 20

SPECIAL PROBLEMS FS HN 690 VAR. CREDITS  
Prereq: FS HN 502 OR FS HN 503 OR FS HN 504 OR FS HN 553 OR FS HN 554  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS



## FOOD SCIENCE &amp; HUMAN NUTRITION (CONTINUED)

GRANT PROPOSAL WRIT FS HN 695 1 CREDIT  
 Prereq: 3 CREDITS OF GRADUATE COURSE WORK IN  
 FOOD SCIENCE AND/OR NUTRITIONAL SCIENCES  
 1274005 1 R 11:00-11:50  
 MEETS: AUG 26-DEC 20

RESRCH FOOD SCI&TEC FS HN 699 VAR. CREDITS  
 Satisfactory-Fail Only.  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

## FORESTRY

FOREST BIOLOGY FOR 201 2 CREDITS  
 Prereq: CONCURRENT ENROLMT IN FOR 202, FOR 203,  
 FOR 204, FOR 205, FOR 206  
 Note: COURSE RESTRICTED TO A ECL, FOR MAJORS ONLY  
 Instructor permission required 1st week.  
 3709005 1 MWF 9:00-9:50  
 MEETS: AUG 26-DEC 20

SUSTNBL:WOOD UTILIZ FOR 202 2 CREDITS  
 Prereq: CONCURRENT ENROLMT IN FOR 201, FOR 203,  
 FOR 204, FOR 205, FOR 206  
 Note: COURSE RESTRICTED TO A ECL, FOR MAJORS ONLY  
 Instructor permission required 1st week.  
 3710005 1 MWF 11:00-11:50  
 MEETS: AUG 26-DEC 20

RESOURC MEASUR/EVAL FOR 203 2 CREDITS  
 Prereq: CONCURRENT ENROLMT IN FOR 201, FOR 202,  
 FOR 204, FOR 205, FOR 206; MATH 140  
 Note: COURSE RESTRICTED TO A ECL, FOR MAJORS ONLY  
 Instructor permission required 1st week.  
 3711005 1 MW 1:10-3:00  
 MEETS: AUG 26-DEC 20

F ECOSYS DECISN MAK FOR 204 2 CREDITS  
 Prereq: CONCURRENT ENROLMT IN FOR 201, FOR 202,  
 FOR 203, FOR 205, FOR 206  
 Note: COURSE RESTRICTED TO A ECL, FOR MAJORS ONLY  
 Instructor permission required 1st week.  
 3712005 1 MWF 10:00-10:50  
 MEETS: AUG 26-DEC 20

INTEGR FORESTRY LAB FOR 205 3 CREDITS  
 Prereq: CONCURRENT ENROLMT IN FOR 201, FOR 202,  
 FOR 203, FOR 204, FOR 206  
 Note: COURSE RESTRICTED TO A ECL, FOR MAJORS ONLY  
 Instructor permission required 1st week.  
 9556005 1 R 9:00-5:00  
 MEETS: AUG 26-DEC 20

FALL FORESTRY CAMP FOR 206 4 CREDITS  
 Prereq: CONCURRENT ENROLMT IN FOR 201, FOR 202,  
 FOR 203, FOR 204, FOR 205  
 Note: COURSE RESTRICTED TO A ECL, FOR MAJORS ONLY  
 FORESTRY CAMP WILL BE IN MONTANA. DATES TO BE  
 ANNOUNCED  
 Instructor permission required 1st week.  
 9557005 1 ARRANGED  
 MEETS: AUG 26-DEC 20

SPL PROB LEADERSHIP FOR 290A 1- 4 CREDITS  
 Prereq: FROSH OR SOPH CLASSIF, INSTRUCTOR PERMISN  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

SPL PROB ECOSYS MGT FOR 290B 1- 4 CREDITS  
 Prereq: FROSH OR SOPH CLASSIF, INSTRUCTOR PERMISN  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

SPL PRB RESRC CNSRV FOR 290C 1- 4 CREDITS  
 Prereq: FROSH OR SOPH CLASSIF, INSTRUCTOR PERMISN  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

SPL PROB URB&COMMUN FOR 290D 1- 4 CREDITS  
 Prereq: FROSH OR SOPH CLASSIF, INSTRUCTOR PERMISN  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

SPL PROB WOOD SCIEN FOR 290E 1- 4 CREDITS  
 Prereq: FROSH OR SOPH CLASSIF, INSTRUCTOR PERMISN  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

DENDROLOGY FOR 356 3 CREDITS  
 Prereq: BIOL 211  
 Note: Instructor permission required 1st week.  
 3714010 1 TR 9:30-10:20  
 TR 10:30-11:20  
 MEETS: AUG 26-DEC 20

3714015 2 TR 12:40-1:30  
 TR 1:40-2:30  
 MEETS: AUG 26-DEC 20

3714020 3 TR 3:40-4:30  
 TR 4:40-5:30  
 MEETS: AUG 26-DEC 20

## FORESTRY (CONTINUED)

FOREST INSCT&DISEAS FOR 416 3 CREDITS  
 Prereq: 8 CR IN BIOL SCI, INCLUDING BIOL 211  
 3729005 1 MWF 2:10-3:00  
 MEETS: AUG 26-DEC 20

FOR INSECTS&DIS LAB FOR 416L 1 CREDIT  
 Prereq: 8 CREDITS IN BIOLOGICAL SCI INCLUDING  
 BIOL 211 OR EQUIVALENT. CREDIT OR ENROLLMENT IN  
 PL P 416.  
 2637005 1 M 3:10-6:00PM  
 MEETS: AUG 26-DEC 20

FOREST STANDS DYNAM FOR 442 3 CREDITS  
 Prereq: NREM 301, FOR 302, STAT 101 OR EQUIV  
 3720005 1 MW 10:00-10:50  
 W 3:10-6:00PM  
 MEETS: AUG 26-DEC 20

URBAN FORESTRY FOR 475 3 CREDITS  
 Prereq: JR OR SR CLASSIFICATION, 3 CR IN BIOLOGY  
 5125005 1 TR 10:00-10:50  
 R 3:10-6:00PM  
 MEETS: AUG 26-DEC 20

WOOD ANAT&FIBR ANLY FOR 480 3 CREDITS  
 Prereq: FOR 280 OR PERMISSION OF INSTRUCTOR  
 2881005 1 MW 8:00-8:50  
 T 3:10-6:00PM  
 MEETS: AUG 26-DEC 20

FOREST STANDS DYNAM FOR 542 3 CREDITS  
 2197005 1 MW 10:00-10:50  
 W 3:10-6:00PM  
 MEETS: AUG 26-DEC 20

CR COMP FOR BIOLOGY FOR 599A 1-12 CREDITS  
 Note: Instructor permission required 1st week.  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

CR COMP FOR BIOMETRY FOR 599B 1-12 CREDITS  
 Note: Instructor permission required 1st week.  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

CR COMP FO&REC ECON FOR 599C 1-12 CREDITS  
 Note: Instructor permission required 1st week.  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

CR COMP FOR MGT&ADM FOR 599D 1-12 CREDITS  
 Note: Instructor permission required 1st week.  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

CRTV COMPO WOOD SCI FOR 599E 1-12 CREDITS  
 Note: Instructor permission required 1st week.  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

RESEARCH SEMINAR FOR 696 1 CREDIT  
 Satisfactory-Fail Only.  
 8834005 1 W 4:10-5:30  
 MEETS: AUG 26-DEC 20

FOREST BIOLGY RSRCH FOR 699A 1-12 CREDITS  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

FOR BIOMETRY RESRCH FOR 699B 1-12 CREDITS  
 Note: Instructor permission required 1st week.  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

FOR ECONOMICS RSRCH FOR 699C 1-12 CREDITS  
 Note: Instructor permission required 1st week.  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

FOR MGT&ADMIN RSRCH FOR 699D 1-12 CREDITS  
 Note: Instructor permission required 1st week.  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

WOOD SCIENCE RESRCH FOR 699E 1-12 CREDITS  
 Note: Instructor permission required 1st week.  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

RSRCH PLANT PHYSIOL FOR 699F 1-12 CREDITS  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

## FRENCH

ELEMENTARY FRENCH I FRNCH 101 4 CREDITS  
 Note: STUDENTS WHO HAVE COMPLETED ONE OR MORE YEARS  
 OF HIGH SCHOOL FRENCH MAY NOT ENROLL IN 101.  
 TESTOUT NOT AVAILABLE IF ALSO REGISTERED.  
 3803005 1 MTWR 9:00-9:50  
 MEETS: AUG 26-DEC 20

3803010 2 MTWR 10:00-10:50  
 MEETS: AUG 26-DEC 20

3803020 3 MTWR 11:00-11:50  
 MEETS: AUG 26-DEC 20

3803025 4 MTWR 1:10-2:00  
 MEETS: AUG 26-DEC 20

## FRENCH

(CONTINUED)

INTERMED FRENCH I FRNCH 201 4 CREDITS  
Prereq: FRNCH 102  
Note: TESTOUT NOT AVAILABLE IF ALSO REGISTERED  
Meets international perspectives reqmt  
3808005 1 MTWR 10:00-10:50  
MEETS: AUG 26-DEC 20  
3808010 2 MTWR 11:00-11:50  
MEETS: AUG 26-DEC 20

INTMD FR GRAMR&CONV FRNCH 203X 4 CREDITS  
Prereq: FRNCH 201 OR EQUIVALENT  
0169005 1 MTWR 11:00-11:50  
MEETS: AUG 26-DEC 20

FRNCH WRITNG&GRAMMR FRNCH 301 3 CREDITS  
Prereq: FRNCH 202  
Note: Meets international perspectives reqmt  
3811005 1 TR 11:00-12:20  
MEETS: AUG 26-DEC 20  
3811010 2 TR 12:40-2:00  
MEETS: AUG 26-DEC 20

FRENCH CONVERSATION FRNCH 305 3 CREDITS  
Prereq: FRNCH 202  
Note: Meets international perspectives reqmt  
2755005 1 MWF 1:10-2:00  
MEETS: AUG 26-DEC 20

STUDIES FR ART&FILM FRNCH 326 3 CREDITS  
Prereq: FRNCH 302 OR CONCURRENT ENROLLMENT IN  
FRNCH 302  
Note: Meets international perspectives reqmt  
6544005 1 TR 2:10-3:30  
MEETS: AUG 26-DEC 20

STDI FRN/FRANCO LIT FRNCH 340 3 CREDITS  
Prereq: FRNCH 302 OR CONCURRENT ENROLLMENT IN  
FRNCH 302  
Note: Meets international perspectives reqmt  
2762005 1 MWF 1:10-2:00  
MEETS: AUG 26-DEC 20

INDEPENDENT STUDY FRNCH 490 1- 6 CREDITS  
Prereq: PERMISSION OF FRENCH STAFF AND DEPT CHAIR  
Note: NO MORE THAN 9 CREDITS IN FRNCH 490 MAY BE  
APPLIED TOWARD GRADUATION  
Permission of department chair required.  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

FRENCH INTERNSHIP FRNCH 499 1- 3 CREDITS  
Prereq: 9 CREDITS OF FRENCH AT THE 300 LEVEL;  
PERMISSION OF ADVISOR AND WLC INTERNSHIP COORD. WORK  
EXPERIENCE USING FRNCH LANG SKILLS IN PUBLIC/PRIVATE  
SECTOR, COMBINED W/ ACAD WK UNDER FACULTY SUPERVISOR  
Note: CREDIT IN FRNCH 499 MAY ONLY APPLY TOWARD  
GRADUATION IN THE LCP MAJOR. NO MORE THAN 3 CREDITS  
IN FRNCH 499 MAY BE APPLIED TOWARD GRADUATION IN  
THE MAJOR.  
Department permission required.  
Satisfactory-Fail Only.  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

SPL TOPC FRENCH LIT FRNCH 590A 2- 4 CREDITS  
Prereq: INSTRUCTOR PERMISSN; 6 CR 400-LEVEL FRNCH  
Note: COURSE ONLY OFFERED FOR 3 CREDITS FALL 2019  
Permission of department chair required.  
2380005 SW ARRANGED  
MEETS: AUG 26-DEC 20

SPL TOP FRNC CIVILZ FRNCH 590D 2- 4 CREDITS  
Prereq: INSTRUCTOR PERMISSN; 6 CR 400-LEVEL FRNCH  
Note: Permission of department chair required.  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

## GENETICS

GENETICS ORIENTATN GEN 110 1 CREDIT  
Note: CREDIT IN ONLY ONE OF GEN 110 OR GEN 112 OR  
GEN 112X MAY BE APPLIED TOWARD GRADUATION.  
COURSE RESTRICTED TO GEN, GEN S MAJORS ONLY.  
3828005 1 T 2:10-3:00  
MEETS: AUG 26-DEC 20

PRINCIP OF GENETICS GEN 313 3 CREDITS  
Prereq: BIOL 211 & BIOL 212L, CREDIT OR  
ENROLLMENT IN ORGANIC CHEMISTRY  
Note: CREDIT FOR ONLY ONE OF THE FOLLOWING MAY BE  
APPLIED TOWARD GRADUATION: GEN 260, GEN/BIOL 313  
AND 313L, GEN/AGRON 320  
9559005 1 MWF 12:10-1:00  
MEETS: AUG 26-DEC 20  
9559010 2 MWF 11:00-11:50  
MEETS: AUG 26-DEC 20  
9559015 3 MWF 12:10-1:00  
MEETS: AUG 26-DEC 20

## GENETICS

(CONTINUED)

GENETICS LABORATORY GEN 313L 1 CREDIT  
Prereq: CREDIT OR ENROLLMENT IN BIOL 313  
Note: CREDIT FOR ONLY ONE OF THE FOLLOWING MAY BE  
APPLIED TOWARD GRADUATION: GEN 260, GEN/BIOL 313  
AND 313L, GEN/AGRON 320  
9560005 1 MW 9:00-10:20  
MEETS: AUG 26-DEC 20  
9560010 2 MW 10:30-11:50  
MEETS: AUG 26-DEC 20  
9560015 3 MW 10:30-11:50  
MEETS: AUG 26-DEC 20  
9560020 4 MW 1:10-2:30  
MEETS: AUG 26-DEC 20  
9560025 5 MW 1:10-2:30  
MEETS: AUG 26-DEC 20  
9560030 6 MW 3:10-4:30  
MEETS: AUG 26-DEC 20  
9560035 7 TR 9:00-10:20  
MEETS: AUG 26-DEC 20  
9560040 8 TR 11:00-12:20  
MEETS: AUG 26-DEC 20  
9560045 9 TR 1:10-2:30  
MEETS: AUG 26-DEC 20  
9560050 10 TR 3:10-4:30  
MEETS: AUG 26-DEC 20  
9560055 11 TR 11:00-12:20  
MEETS: AUG 26-DEC 20  
9560060 12 TR 1:10-2:30  
MEETS: AUG 26-DEC 20

GENET,AGRI&BIOTECHN GEN 320 3 CREDITS  
Prereq: BIOL 212  
Note: CREDIT FOR ONLY ONE OF THE FOLLOWING MAY BE  
APPLIED TOWARD GRADUATION: GEN 260, GEN/BIOL 313  
AND 313L, GEN/AGRON 320  
3539005 1 TR 11:00-12:15  
MEETS: AUG 26-DEC 20

INTR BIOINFRMTC&CMP GEN 322 3 CREDITS  
Prereq: BIOL 212  
9773005 1 MWF 10:00-10:50  
MEETS: AUG 26-DEC 20

MOLECULAR GENETICS GEN 409 3 CREDITS  
Prereq: BIOL 313 OR GEN 313  
3832005 1 MWF 10:00-10:50  
MEETS: AUG 26-DEC 20

ANALYTICAL GENETICS GEN 410 3 CREDITS  
Prereq: BIOL 313 OR GEN 313  
3833005 1 MWF 9:00-9:50  
MEETS: AUG 26-DEC 20

BIOINFORMATC ANALYS GEN 444 4 CREDITS  
Prereq: MATH 165 AND INTRODUCTORY STATISTICS  
(STAT 101, STAT 104, STAT 105, STAT 201, OR STAT 330)  
8546005 1 TR 11:00-12:20  
W 2:10-4:00  
MEETS: AUG 26-DEC 20

EVOLUTNARY GENETICS GEN 462 3 CREDITS  
Prereq: BIOL 315  
3835005 1 TR 9:30-10:50  
MEETS: AUG 26-DEC 20

INDEPENDENT STUDY GEN 490 1- 5 CREDITS  
Prereq: GEN 313, JUNIOR OR SENIOR CLASSIFICATION,  
PERMISSION OF INSTRUCTOR  
Note: GENETICS STUDENTS MAY USE NO MORE THAN 9 CREDITS  
OF UNIVERSITY-WIDE 490-499 CREDITS TOWARD GRADUATION  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

UNDERGRAD SEMINAR GEN 491 1 CREDIT  
Prereq: GEN 409  
3837005 1 W 3:10-4:00  
MEETS: AUG 26-DEC 20

UG TCHG EXPERIENCE GEN 492 1- 2 CREDITS  
Prereq: GEN 313, JUNIOR OR SENIOR CLASSIFICATION,  
PERMISSION OF INSTRUCTOR  
Note: NO MORE THAN 2 CREDITS OF GEN 492 MAY BE APPLIED  
TOWARD THE GENETICS ADVANCED COURSE REQUIREMENT  
Satisfactory-Fail Only.  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

SPL TOPICS GENETICS GEN 495 1- 3 CREDITS  
Prereq: GEN 313, JUNIOR OR SENIOR CLASSIFICATION,  
PERMISSION OF INSTRUCTOR  
Note: GENETICS STUDENTS MAY USE NO MORE THAN 9 CREDITS  
OF 490-499 UNIVERSITY WIDE TOWARD GRADUATION  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

ATTEND&CRITIQ SEMNR GEN 496 1 CREDIT  
Prereq: GEN 313, JUNIOR OR SENIOR CLASSIFICATION,  
PERMISSION OF INSTRUCTOR  
Note: GENETICS STUDENTS MAY USE NO MORE THAN 9 CREDITS  
OF UNIVERSITY-WIDE 490-499 CREDITS TOWARD GRADUATION  
Satisfactory-Fail Only.  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

GENETICS (CONTINUED)

GENETICS RESEARCH GEN 499 1- 5 CREDITS  
 Prereq: GEN 313, JR/SR CLASSIFICATION, PERMISSION  
 OF INSTRUCTOR  
 Note: GENETICS STUDENTS MAY USE NO MORE THAN 9 CREDITS  
 OF UNIVERSITY-WIDE 490-499 CREDITS TOWARD GRADUATION  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

GENET RSRCH HONORS GEN 499H 1- 5 CREDITS  
 Prereq: GEN 313, JR/SR CLASSIFICATION, PERMISSION  
 OF INSTRUCTOR. MEMBERSHIP IN UNIVERSITY HONORS  
 PROGRAM.  
 Note: GENETICS STUDENTS MAY USE NO MORE THAN 9 CREDITS  
 OF UNIVERSITY-WIDE 490-499 CREDITS TOWARD GRADUATION  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

**GENETICS - INTERDISCIPLINARY**

SPECIAL TOPICS GENET 590 VAR. CREDITS  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

WORKSHP IN GENETICS GENET 591 1 CREDIT  
 Prereq: PERMISSION OF INSTRUCTOR  
 9313005 1 R 3:10-4:00  
 MEETS: AUG 26-DEC 20

GRAD STU SEMNR GENE GENET 690 1 CREDIT  
 Prereq: PERMISSION OF INSTRUCTOR  
 9682005 1 W 3:10-4:00  
 MEETS: AUG 26-DEC 20

FACULT RSRCH SEMINR GENET 691 1 CREDIT  
 Prereq: PERMISSION OF INSTRUCTOR  
 9314005 1 M 12:10-1:00  
 MEETS: AUG 26-DEC 20

CONCEPTUL FOUNDA GN GENET 692 1 CREDIT  
 Prereq: PERMISSION OF INSTRUCTOR  
 9315005 1 W 12:10-1:00  
 MEETS: AUG 26-DEC 20

GRAD RESEARCH ROTAT GENET 697 VAR. CREDITS  
 Satisfactory-Fail Only.  
 9316005 CB ARRANGED  
 MEETS: AUG 26-DEC 20

RESEARCH GENET 699 VAR. CREDITS  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

**GENETICS, DEVELOPMENT & CELL BIOL**

TRANSMISSN GENETICS GDCB 510 3 CREDITS  
 Prereq: GEN 410 OR GRADUATE STANDING  
 2908005 1 TR 11:00-12:30  
 MEETS: AUG 26-DEC 20

PLANT METABOLISM GDCB 513 2 CREDITS  
 Prereq: BIOL 330, PHYS 111, CHEM 331; ONE  
 SEMESTER OF BIOCHEMISTRY RECOMMENDED  
 2115005 1 TR 12:40-1:30  
 MEETS: AUG 26-DEC 20

ADVNC S DEVELTL BIOL GDCB 533 3 CREDITS  
 Prereq: BIOL 314 OR BIOL 423  
 9565005 1 TR 2:10-3:30  
 MEETS: AUG 26-DEC 20

INTR PROTEOMCS TCNQ GDCB 542E 1 CREDIT  
 Satisfactory-Fail Only.  
 7212005 1 TR 1:10-2:00  
 TR 2:10-4:00  
 MEETS: AUG 26-DEC 20

FUND BIOINFORMATICS GDCB 544 4 CREDITS  
 Prereq: MATH 165 OR STAT 401 OR EQUIVALENT  
 8556005 1 MWF 10:00-10:50  
 R 1:10-3:00  
 MEETS: AUG 26-DEC 20

8556010 2 MWF 10:00-10:50  
 R 3:10-5:00  
 MEETS: AUG 26-DEC 20

PLANT MOLEC&DEV BIO GDCB 545 3 CREDITS  
 Prereq: BIOL 313, BIOL 314, BIOL 330 OR  
 BMB 405  
 2119005 1 TR 9:30-10:50  
 MEETS: AUG 26-DEC 20

CELL,M&DEV NEUROSCI GDCB 556 3 CREDITS  
 Prereq: BIOL 335 OR BIOL 436. PHYS RECOMMENDED.  
 3872005 1 TR 2:10-3:30  
 MEETS: AUG 26-DEC 20

FUND PRED PLT PHNMC GDCB 585 4 CREDITS  
 Prereq: ACCEPTANCE INTO THE P3 PROGRAM OR  
 INSTRUCTOR PERMISSION  
 8299005 1 MWF 9:00-9:50  
 T 8:00-10:50  
 MEETS: AUG 26-DEC 20

GENETICS, DEVELOPMENT & CELL BIOL (CONTINUED)

SPECIAL TOPICS GDCB 590 VAR. CREDITS  
 Prereq: PERMISSION OF INSTRUCTOR  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

SEMINAR IN GDCB GDCB 690 1 CREDIT  
 Satisfactory-Fail Only.  
 7142005 1 T 4:10-6:00PM  
 MEETS: AUG 26-DEC 20

FACULTY SEMINAR GDCB 691 1 CREDIT  
 4705005 1 R 12:40-1:40  
 MEETS: AUG 26-DEC 20

RESEARCH SEMINAR GDCB 696 1 CREDIT  
 Satisfactory-Fail Only.  
 8832005 1 W 4:10-5:30  
 MEETS: AUG 26-DEC 20

SEM N MOLEC,C,DV BIO GDCB 698 1- 2 CREDITS  
 Note: COURSE ONLY OFFERED FOR 1 CREDIT FALL 2019  
 3856005 1 M 3:10-5:00  
 MEETS: AUG 26-DEC 20  
 Note: SEC 1 WILL NOT MEET EVERY WEEK. MEETING  
 DATES TO BE ANNOUNCED.

RESEARCH GDCB 699 VAR. CREDITS  
 Satisfactory-Fail Only.  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

**GEOLOGY**

HOW THE EARTH WORKS GEOL 100 3 CREDITS  
 3870005 1 MWF 11:00-11:50 CERVATO C  
 MEETS: AUG 26-DEC 20

3870010 2 MWF 1:10-2:00  
 MEETS: AUG 26-DEC 20

HOW EARTH WORKS:LAB GEOL 100L 1 CREDIT  
 Prereq: CREDIT OR ENROLLMENT IN GEOL 100  
 7595005 1 T 10:00-11:50  
 MEETS: AUG 26-DEC 20

7595010 2 T 1:10-3:00  
 MEETS: AUG 26-DEC 20

7595015 3 R 1:10-3:00  
 MEETS: AUG 26-DEC 20

7595020 4 R 3:10-5:00  
 MEETS: AUG 26-DEC 20

ENVIRONMNTL GEOLOGY GEOL 101 3 CREDITS  
 7596005 1 MWF 10:00-10:50 DAWSON J  
 MEETS: AUG 26-DEC 20

INTRO OCEANOGRAPHY GEOL 108 3 CREDITS  
 5022005 1 TR 2:10-3:25 WHITNEY N  
 MEETS: AUG 26-DEC 20

GEOSCIENCE ORIENT GEOL 112 1 CREDIT  
 6631005 1 M 4:10-5:00  
 MEETS: AUG 26-DEC 20

GEOL--ENGRS&ENV SCI GEOL 201 3 CREDITS  
 8965005 1 TR 2:10-3:00 BERESNEV I  
 W 1:10-3:00  
 MEETS: AUG 26-DEC 20

8965010 2 TR 2:10-3:00 BERESNEV I  
 R 10:00-11:50  
 MEETS: AUG 26-DEC 20

8965015 3 TR 2:10-3:00 BERESNEV I  
 T 7:00-9:00PM  
 MEETS: AUG 26-DEC 20

8965020 4 TR 2:10-3:00 BERESNEV I  
 T 8:00-9:50  
 MEETS: AUG 26-DEC 20

8965025 5 TR 2:10-3:00 BERESNEV I  
 W 10:00-11:50  
 MEETS: AUG 26-DEC 20

8965030 6 TR 2:10-3:00 BERESNEV I  
 W 3:10-5:00  
 MEETS: AUG 26-DEC 20

8965035 7 TR 2:10-3:00 BERESNEV I  
 R 8:00-9:50  
 MEETS: AUG 26-DEC 20

8965040 8 TR 2:10-3:00 BERESNEV I  
 T 3:10-5:00  
 MEETS: AUG 26-DEC 20

INDEPENDENT STUDY GEOL 290 1- 3 CREDITS  
 Prereq: PERMISSION OF INSTRUCTOR  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

COOPERATIVE EDUC GEOL 298 R CREDIT  
 Prereq: GEOL 100 OR GEOL 201, GEOL 100L,GEOL 102,  
 GEOL 102L, PERMISSION OF DEPT COOP EDUC COORDINATOR;  
 SOPH CLASSIFICATION  
 4828005 1 ARRANGED  
 MEETS: AUG 26-DEC 20

## GEOLOGY (CONTINUED)

MINERALGY&EARTH MTRL GEOL 315 3 CREDITS  
Prereq: GEOL 100 OR GEOL 201, CHEM 177  
9041005 1 MWF 3:10-4:00 DAWSON J  
MEETS: AUG 26-DEC 20

MINERALOGY LAB GEOL 315L 1 CREDIT  
Prereq: GEOL 100 OR GEOL 201  
9055005 1 T 2:10-5:00  
MEETS: AUG 26-DEC 20

OPTICAL MINERALOGY GEOL 316 1 CREDIT  
Prereq: GEOL 100 OR GEOL 201, CHEM 177, CREDIT OR  
ENROLLMENT IN GEOL 315  
9062005 1 R 2:10-3:00 SPRY P  
R 3:10-5:00  
MEETS: AUG 26-DEC 20

GEO MAPPING&FLD MTH GEOL 357 1 CREDIT  
Prereq: GEOL 100 OR GEOL 201; PHYS 111; CREDIT OR  
ENROLLMENT IN GEOL 356  
0125005 1 M 12:10-3:00 REBER J  
MEETS: AUG 26-DEC 20

SEDIMENTARY GEOLOGY GEOL 368 4 CREDITS  
Prereq: GEOL 102  
3782005 1 MWF 11:00-11:50  
R 9:00-11:50  
MEETS: AUG 26-DEC 20

COOPERATIVE EDUC GEOL 398 R CREDIT  
Prereq: GEOL 100 OR GEOL 201, GEOL 100L, GEOL 102,  
GEOL 102L, PERMISSION OF DEPT COOP EDUC COORDINATOR;  
JUNIOR CLASSIFICATION  
4829005 1 ARRANGED  
MEETS: AUG 26-DEC 20

WATERSHED HYDROLOGY GEOL 402 3 CREDITS  
Prereq: FOUR COURSES IN PHYSICAL OR BIOLOGICAL  
SCIENCES OR ENGINEERING; JUNIOR STANDING  
4770005 1 MW 11:00-11:50 FRANZ K  
R 3:10-6:00PM FRANZ K  
MEETS: AUG 26-DEC 20

GEOLOGY FIELD COURS GEOL 406 1- 2 CREDITS  
Prereq: GEOL 100 OR GEOL 201, PERMISSION OF  
INSTRUCTOR  
Note: Instructor permission required.  
3871005 1 ARRANGED  
MEETS: AUG 26-DEC 20

HYDROGEOLOGY GEOL 411 4 CREDITS  
Prereq: FOUR COURSES IN BIOLOGICAL OR PHYSICAL  
SCIENCES  
3118005 1 MWF 9:00-9:50 SIMPKINS W  
R 1:10-3:00 SIMPKINS W  
MEETS: AUG 26-DEC 20

MICROPALAEONTOLOGY GEOL 412 3 CREDITS  
Prereq: GEOL 102, GEOL 102L  
8732005 1 MW 1:10-2:00 CAISSIE B  
MW 2:10-3:00  
MEETS: AUG 26-DEC 20

STABLE ISOTOPES ENV GEOL 426 3 CREDITS  
Prereq: 4 COURSES IN BIOL OR PHYSICAL SCIENCES  
6837005 1 TR 9:30-10:50 WANAMAKER A  
MEETS: AUG 26-DEC 20

GIS FOR GEOSCIENTST GEOL 452 3 CREDITS  
Prereq: GEOL 100, GEOL 201 OR EQUIVALENT  
3092005 1 MW 3:10-4:00 HARDING C  
MW 4:10-5:00 HARDING C  
MEETS: AUG 26-DEC 20

SURFICIAL PROCESSES GEOL 479 3 CREDITS  
Prereq: GEOL 100 OR GEOL 201 OR EQUIVALENT  
EXPERIENCE  
8804005 1 MW 10:00-10:50 HELANOW C  
F 12:10-3:00 HELANOW C  
MEETS: AUG 26-DEC 20

MICROBIAL ECOLOGY GEOL 487 3 CREDITS  
Prereq: 6 CREDITS IN BIOL AND 6 CREDITS IN CHEM  
2191005 1 MWF 9:00-9:50  
MEETS: AUG 26-DEC 20

SURV REMOTE SNS TEC GEOL 489 3 CREDITS  
Prereq: FOUR COURSES IN PHYSICAL OR BIOLOGICAL  
SCIENCES OR ENGINEERING  
Note: THE ARRANGED TIME REPRESENTS WWW LECTURE DELIVERY  
9751005 1 MW 10:00-10:50  
ARRANGED  
MEETS: AUG 26-DEC 20

SATELL RMT SENS LAB GEOL 489L 1 CREDIT  
Prereq: CREDIT OR ENROLLMENT IN MTEOR 489  
OR MTEOR 589 OR GEOL 489 OR GEOL 589 OR NREM 489  
OR NREM 589 OR E E 489 OR E E 589  
5244005 1 T 9:00-11:50  
MEETS: AUG 26-DEC 20

## GEOLOGY (CONTINUED)

INDEPENDENT STUDY GEOL 490 1- 3 CREDITS  
Prereq: 6 CR IN GEOLOGY & PERMISSN OF INSTRUCTOR  
Note: NO MORE THAN 9 CREDITS OF GEOL 490 MAY BE APPLIED  
TOWARD GRADUATION  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

UNDERGRAD SEMINAR GEOL 495 1 CREDIT  
Prereq: JUNIOR OR SENIOR CLASSIFICATION  
8231005 1 T 4:10-5:30  
MEETS: AUG 26-DEC 20

COOPERATIVE EDUCATN GEOL 498 R CREDIT  
Prereq: GEOL 100 OR GEOL 201, GEOL 100L, GEOL 102,  
GEOL 102L, PERMISSION OF DEPT COOP EDUC COORDINATOR;  
SENIOR CLASSIFICATION  
4830005 1 ARRANGED  
MEETS: AUG 26-DEC 20

WATERSHED HYDROLOGY GEOL 502 3 CREDITS  
Prereq: FOUR COURSES IN PHYSICAL OR BIOLOGICAL  
SCIENCES OR ENGINEERING; JUNIOR STANDING  
6286005 1 MW 11:00-11:50 FRANZ K  
R 3:10-6:00PM FRANZ K  
MEETS: AUG 26-DEC 20

GEOLOGY FIELD COURS GEOL 506 1- 2 CREDITS  
Prereq: GRADUATE CLASSIFICATION  
Note: COURSE ONLY OFFERED FOR 2 CREDITS FALL 2019  
Instructor permission required.  
7600005 1 ARRANGED  
MEETS: AUG 26-DEC 20

MIDWST GEO FLD TRIP GEOL 507 1 CREDIT  
Prereq: GEOL 365  
Satisfactory-Fail Only.  
3897005 1 ARRANGED SPRY P  
MEETS: AUG 26-DEC 20

HYDROGEOLOGY GEOL 511 4 CREDITS  
Prereq: FOUR COURSES IN BIOLOGICAL OR PHYSICAL  
SCIENCES  
7601005 1 MWF 9:00-9:50 SIMPKINS W  
R 1:10-3:00 SIMPKINS W  
MEETS: AUG 26-DEC 20

MICROPALAEONTOLOGY GEOL 512 3 CREDITS  
Prereq: GEOL 102, GEOL 102L  
8734005 1 MW 1:10-2:00 CAISSIE B  
MW 2:10-3:00  
MEETS: AUG 26-DEC 20

STABLE ISOTOP&ENVIR GEOL 526 3 CREDITS  
Prereq: 4 COURSES IN PHYSICAL OR BIOL SCIENCE  
6843005 1 TR 9:30-10:50 WANAMAKER A  
MEETS: AUG 26-DEC 20

GIS FOR GEOSCIENTST GEOL 552 3 CREDITS  
Prereq: GEOL 100, GEOL 201 OR EQUIVALENT  
3206005 1 MW 3:10-4:00 HARDING C  
MW 4:10-5:00 HARDING C  
MEETS: AUG 26-DEC 20

SURFICIAL PROCESSES GEOL 579 3 CREDITS  
Prereq: GEOL 100 OR GEOL 201 OR EQUIVALENT  
EXPERIENCE  
8805005 1 MW 10:00-10:50  
F 12:10-3:00  
MEETS: AUG 26-DEC 20

MICROBIAL ECOLOGY GEOL 587 3 CREDITS  
Prereq: 6 CREDITS IN BIOL AND 6 CREDITS IN CHEM  
2175005 1 MWF 9:00-9:50  
MEETS: AUG 26-DEC 20

SURV REMOTE SNS TEC GEOL 589 3 CREDITS  
Prereq: FOUR COURSES IN PHYSICAL OR BIOLOGICAL  
SCIENCES OR ENGINEERING  
Note: THE ARRANGED TIME REPRESENTS WWW LECTURE DELIVERY  
9754005 1 MW 10:00-10:50  
ARRANGED  
MEETS: AUG 26-DEC 20

SATELL RMT SENS LAB GEOL 589L 1 CREDIT  
Prereq: CREDIT OR ENROLLMENT IN MTEOR 489  
OR MTEOR 589 OR GEOL 489 OR GEOL 589 OR NREM 489  
OR NREM 589 OR E E 489 OR E E 589  
3547005 1 T 9:00-11:50  
MEETS: AUG 26-DEC 20

SPL TOP SURFIC PROC GEOL 590A 1- 3 CREDITS  
Prereq: PERMISSION OF INSTRUCTOR  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

SPL TOP STRATIGRAPH GEOL 590B 1- 3 CREDITS  
Prereq: PERMISSION OF INSTRUCTOR  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

GEOLOGY (CONTINUED)

SPL TOP SEDIMENTATN GEOL 590C 1- 3 CREDITS  
 Prereq: PERMISSION OF INSTRUCTOR  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

SPL TOP PALEONTOLGY GEOL 590D 1- 3 CREDITS  
 Prereq: PERMISSION OF INSTRUCTOR  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

SPL TOPCS PETROLOGY GEOL 590E 1- 3 CREDITS  
 Prereq: PERMISSION OF INSTRUCTOR  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

SPCL TOP STRUCTURAL GEOL 590F 1- 3 CREDITS  
 Prereq: PERMISSION OF INSTRUCTOR  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

SPCL TOPICS GEOCHEM GEOL 590G 1- 3 CREDITS  
 Prereq: PERMISSION OF INSTRUCTOR  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

SPL TOPCS HYDROGEOL GEOL 590H 1- 3 CREDITS  
 Prereq: PERMISSION OF INSTRUCTOR  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

SPL TOPCS EARTH SCI GEOL 590I 1- 3 CREDITS  
 Prereq: PERMISSION OF INSTRUCTOR  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

SPL TOP MIN RESOURC GEOL 590J 1- 3 CREDITS  
 Prereq: PERMISSION OF INSTRUCTOR  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

SPCL TOP GEOPHYSICS GEOL 590K 1- 3 CREDITS  
 Prereq: PERMISSION OF INSTRUCTOR  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

SPCL TOP MINERALOGY GEOL 590L 1- 3 CREDITS  
 Prereq: PERMISSION OF INSTRUCTOR  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

SPL TOPCS TECTONICS GEOL 590M 1- 3 CREDITS  
 Prereq: PERMISSION OF INSTRUCTOR  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

SP TOP PALEOECO&CLI GEOL 590N 1- 3 CREDITS  
 Prereq: PERMISSION OF INSTRUCTOR  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

SPL TOP ISOTP GCHEM GEOL 590O 1- 3 CREDITS  
 Prereq: PERMISSION OF INSTRUCTOR  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

SPL TOP COMPUTA&GIS GEOL 590P 1- 3 CREDITS  
 Prereq: PERMISSION OF INSTRUCTOR  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

SPL TOP SRFC HYDROL GEOL 590R 1- 3 CREDITS  
 Prereq: PERMISSION OF INSTRUCTOR  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

SPL TOP OCEANOGRPHY GEOL 590S 1- 3 CREDITS  
 Prereq: PERMISSION OF INSTRUCTOR  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

GRADUATE SEMINAR GEOL 595B R CREDIT  
 Prereq: SENIOR OR GRADUATE CLASSIFICATION  
 Satisfactory-Fail Only.  
 8220005 1 T 4:10-5:30  
 MEETS: AUG 26-DEC 20

CREATIVE COMPONENT GEOL 599 VAR. CREDITS  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

ADV SEM EARTH MTRLS GEOL 610A 1- 3 CREDITS  
 Prereq: GRADUATE STANDING & INSTRUCTOR PERMISSION  
 7605005 1 ARRANGED  
 MEETS: AUG 26-DEC 20

ADV SEM ECONOM GEOL GEOL 610B 1- 3 CREDITS  
 Prereq: GRADUATE STANDING & INSTRUCTOR PERMISSION  
 7609005 1 ARRANGED  
 MEETS: AUG 26-DEC 20

ADV SEM ENVIR GEOCH GEOL 610C 1- 3 CREDITS  
 Prereq: GRADUATE STANDING & INSTRUCTOR PERMISSION  
 3771005 1 ARRANGED  
 MEETS: AUG 26-DEC 20

ADV SEM HYDROGEOLOGY GEOL 610F 1- 3 CREDITS  
 Prereq: GRADUATE STANDING & INSTRUCTOR PERMISSION  
 7604005 1 ARRANGED  
 MEETS: AUG 26-DEC 20

ADV SEM SURFIC PROC GEOL 610G 1- 3 CREDITS  
 Prereq: GRADUATE STANDING & INSTRUCTOR PERMISSION  
 7608005 1 ARRANGED  
 MEETS: AUG 26-DEC 20

GEOLOGY (CONTINUED)

ADV SEM SED&STRATIG GEOL 610H 1- 3 CREDITS  
 Prereq: GRADUATE STANDING & INSTRUCTOR PERMISSION  
 7607005 1 ARRANGED  
 MEETS: AUG 26-DEC 20

ADV SEM ISOTP GCHEM GEOL 610J 1- 3 CREDITS  
 Prereq: GRADUATE STANDING & INSTRUCTOR PERMISSION  
 6711005 1 ARRANGED  
 MEETS: AUG 26-DEC 20

RES SURFICIAL PROC GEOL 699A VAR. CREDITS  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

RESRCH STRATIGRAPHY GEOL 699B VAR. CREDITS  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

RSRCH SEDIMENTATION GEOL 699C VAR. CREDITS  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

RESRCH PALEONTOLOGY GEOL 699D VAR. CREDITS  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

RESEARCH PETROLOGY GEOL 699E VAR. CREDITS  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

RES STRUCTURAL GEOL GEOL 699F VAR. CREDITS  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

RESRCH GEOCHEMISTRY GEOL 699G VAR. CREDITS  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

RESRCH HYDROGEOLOGY GEOL 699H VAR. CREDITS  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

RSRCH EARTH SCIENCE GEOL 699I VAR. CREDITS  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

RES MINERAL RESOURC GEOL 699J VAR. CREDITS  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

RESEARCH GEOPHYSICS GEOL 699K VAR. CREDITS  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

RESEARCH MINERALOGY GEOL 699L VAR. CREDITS  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

RESEARCH TECTONICS GEOL 699M VAR. CREDITS  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

RES PALEOECO&CLIMAT GEOL 699N VAR. CREDITS  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

RES ISOTOPE GEOCHEM GEOL 699O VAR. CREDITS  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

RSRCH CMPUT MTH&GIS GEOL 699P VAR. CREDITS  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

RES SURFC HYDROLOGY GEOL 699R VAR. CREDITS  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

RSEARCH GEOSCI EDUC GEOL 699S VAR. CREDITS  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

GERMAN

ELEMENTARY GERMAN I GER 101 4 CREDITS  
 Note: STUDENTS WHO HAVE COMPLETED ONE OR MORE YEARS  
 OF HIGH SCHOOL GERMAN MAY NOT ENROLL IN 101.  
 TESTOUT NOT AVAILABLE IF ALSO REGISTERED.

3949005 1 MTWR 9:00-9:50  
 MEETS: AUG 26-DEC 20

3949010 2 MTWR 10:00-10:50  
 MEETS: AUG 26-DEC 20

3949015 3 MTWR 11:00-11:50  
 MEETS: AUG 26-DEC 20

3949020 4 MTWR 1:10-2:00  
 MEETS: AUG 26-DEC 20

INTERMED GERMAN I GER 201 4 CREDITS  
 Prereq: GER 102  
 Note: TESTOUT NOT AVAILABLE IF ALSO REGISTERED  
 Meets international perspectives reqmt

3953005 1 MTWR 9:00-9:50  
 MEETS: AUG 26-DEC 20

3953010 2 MTWR 10:00-10:50  
 MEETS: AUG 26-DEC 20

READG:PROB ERLY 20C GER 301 3 CREDITS  
 Prereq: GER 202  
 Note: Meets international perspectives reqmt

3955005 1 MWF 10:00-10:50  
 MEETS: AUG 26-DEC 20

GERMAN

(CONTINUED)

GLOBAL RESOURCE SYSTEMS

GERMAN FOR PROFESNL GER 304 3 CREDITS  
 Prereq: GER 202  
 Note: Meets international perspectives reqmt  
 3754005 1 MWF 11:00-11:50  
 MEETS: AUG 26-DEC 20

GERMAN LIT & CULTURE GER 330 3 CREDITS  
 Prereq: GER 301 OR PERMISSION OF INSTRUCTOR  
 Note: NO MORE THAN SIX CREDITS OF GER 330 MAY  
 BE APPLIED TOWARD GRADUATION IN THE MAJOR  
 Meets international perspectives reqmt  
 8742005 1 TR 12:40-2:00  
 MEETS: AUG 26-DEC 20

GRIMMS' TALES GER 375 3- 4 CREDITS  
 Prereq: SOPHOMORE CLASSIFICATION. FOR 4TH CREDIT,  
 6 CREDITS IN GERMAN AT THE 300 LEVEL.  
 Note: Meets international perspectives reqmt  
 3960005 1 TR 12:40-2:00  
 MEETS: AUG 26-DEC 20  
 Note: SEC 1 OFFERED FOR 3 CREDITS FALL 2019  
 3960010 2 TR 12:40-2:00  
 ARRANGED  
 MEETS: AUG 26-DEC 20  
 Note: SEC 2 OFFERED FOR 4 CREDITS FALL 2019

INDEPENDENT STUDY GER 490 1- 6 CREDITS  
 Prereq: 6 CR IN GERMAN; PERMISSION OF DEPT CHAIR  
 Note: NO MORE THAN 9 CREDITS OF GER 490 MAY BE APPLIED  
 TOWARD GRADUATION  
 Permission of department chair required.  
 \*\*\*\*\*  
 SEE DEPT FOR REFERENCE NUMBERS

INTERNSHP IN GERMAN GER 499 1- 3 CREDITS  
 Prereq: 9 CREDITS OF GERMAN AT THE 300 LEVEL;  
 PERMISSION OF ADVISOR AND WORLD LANGUAGES AND  
 CULTURES INTERNSHIP COORDINATOR  
 Note: NO MORE THAN 3 CREDITS OF GER 499 MAY BE APPLIED  
 TOWARD GRADUATION IN THE MAJOR  
 Department permission required.  
 Satisfactory-Fail Only.  
 \*\*\*\*\*  
 SEE DEPT FOR REFERENCE NUMBERS

SPL TOP GER CIVLZTN GER 590D 2- 4 CREDITS  
 Prereq: PERMISSION OF THE INSTRUCTOR; 6 CREDITS  
 OF 400-LEVEL GERMAN  
 \*\*\*\*\*  
 SEE DEPT FOR REFERENCE NUMBERS

GERONTOLOGY

AGING & THE FAMILY GERON 377 3 CREDITS  
 Prereq: HD FS 102  
 Note: Meets U.S. diversity reqmt  
 7865005 1 TR 9:30-10:45  
 MEETS: AUG 26-DEC 20  
 Syllabus: <http://www.hs.iastate.edu/online/>

GERONTL PREPRAC SEM GERON 466 1 CREDIT  
 Prereq: 9 CR IN CORE COURSES FOR THE GERON  
 MINOR & APPROVAL OF GERON UNDERGRAD COORDINATOR  
 7869005 1 ARRANGED  
 MEETS: AUG 26-DEC 20

GERONTOL PRACTICUM GERON 467 3- 6 CREDITS  
 Prereq: GERON 466, ADVANCE RESERVATION  
 Satisfactory-Fail Only.  
 7870005 1 ARRANGED  
 MEETS: AUG 26-DEC 20

DSGN FOR ALL PEOPLE GERON 571 3 CREDITS  
 Prereq: GRADUATE OR SENIOR CLASSIFICATION  
 Note: Meets U.S. diversity reqmt  
 4717005 1 TR 11:00-12:30  
 MEETS: AUG 26-DEC 20

SPECIAL TOPICS GERON 590 VAR. CREDITS  
 \*\*\*\*\*  
 SEE DEPT FOR REFERENCE NUMBERS

INTERNSHIP GERON 591 1- 9 CREDITS  
 9810061 MS ARRANGED  
 MEETS: AUG 26-DEC 20  
 9810077 PM ARRANGED  
 MEETS: AUG 26-DEC 20

CREATIVE COMPONENT GERON 599 VAR. CREDITS  
 9839077 PM ARRANGED  
 MEETS: AUG 26-DEC 20

RESEARCH GERON 699 VAR. CREDITS  
 \*\*\*\*\*  
 SEE DEPT FOR REFERENCE NUMBERS

ORIENTATION GLOBE 110 1 CREDIT  
 6606005 1 R 2:10-3:00  
 MEETS: AUG 26-DEC 20

GEOG GLBL RSRCE SYS GLOBE 120 3 CREDITS  
 Note: Meets international perspectives reqmt  
 4186005 1 MWF 8:00-8:50  
 MEETS: AUG 26-DEC 20

GLOBAL RESOURCE SYS GLOBE 201 3 CREDITS  
 6635005 1 TR 9:30-10:50  
 MEETS: AUG 26-DEC 20

ISSU GLBL RSRCE SYS GLOBE 211 1 CREDIT  
 Note: NO MORE THAN 3 CREDITS OF GLOBE 211 MAY BE  
 APPLIED TOWARD DEGREE REQUIREMENTS  
 Satisfactory-Fail Only.  
 6651005 1 ARRANGED  
 MEETS: AUG 26-DEC 20  
 Note: SEC 1 RESTRICTED TO GLOBE SOPH. & ABOVE  
 6651010 2 R 3:40-5:00  
 MEETS: AUG 26-NOV 1  
 Note: SEC 2 RESTRICTED TO GLOBE, AN S, DY S MAJORS  
 6651015 3 T 11:00-12:20  
 MEETS: AUG 26-NOV 1  
 Note: SEC 3 RESTRICTED TO GLOBE MAJORS ONLY

APPRENTICESHIP GLOBE 221 R CREDIT  
 Satisfactory-Fail Only.  
 6652005 1 ARRANGED  
 MEETS: AUG 26-DEC 20

INDEPENDENT STUDY GLOBE 290 1- 2 CREDITS  
 Prereq: PERMISSION OF INSTRUCTOR, APPROVAL BY  
 THE GLOBAL RESOURCE SYSTEMS FACULTY COORDINATOR  
 \*\*\*\*\*  
 SEE DEPT FOR REFERENCE NUMBERS

INDEP STUDY HONORS GLOBE 290H 1- 2 CREDITS  
 Prereq: PERMISSION OF INSTRUCTOR, APPROVAL BY  
 THE GLOBAL RESOURCE SYSTEMS FACULTY COORDINATOR,  
 MEMBERSHIP IN UNIVERSITY HONORS PROGRAM  
 Note: COURSE RESTRICTED TO MEMBERS OF THE UNIVERSITY  
 HONORS PROGRAM ONLY  
 \*\*\*\*\*  
 SEE DEPT FOR REFERENCE NUMBERS

AG&GLB NAT RSRCE SYS GLOBE 303 3 CREDITS  
 6146005 1 TR 12:40-2:00  
 MEETS: AUG 26-DEC 20  
 Note: SEC 1 RESTRICTED TO GLOBE MAJORS ONLY  
 6146010 2 TR 12:40-2:00  
 MEETS: AUG 26-DEC 20

INTERNSHIP - GLOBAL GLOBE 321 3- 6 CREDITS  
 Prereq: GLOBE 320; JR. OR SR. CLASSIFICATION IN  
 GLOBAL RESOURCE SYSTEMS MAJOR; PERMISSION OF  
 INSTRUCTOR AND APPROVAL BY THE GLOBAL RESOURCE  
 SYSTEMS FACULTY COORDINATOR  
 Note: NO MORE THAN 12 CREDITS OF GLOBE 321 AND  
 GLOBE 322 MAY BE APPLIED TOWARD DEGREE REQUIREMENTS.  
 COURSE ONLY OFFERED FOR 3 CREDITS FALL 2019.  
 Meets international perspectives reqmt  
 8676005 1 W 4:10-5:00, ARRANGED  
 MEETS: AUG 26-DEC 20

INTERNSHIP - U.S. GLOBE 322 3- 6 CREDITS  
 Prereq: GLOBE 320; JR. OR SR. CLASSIFICATION IN  
 GLOBAL RESOURCE SYSTEMS MAJOR; PERMISSION OF  
 INSTRUCTOR AND APPROVAL BY THE GLOBAL RESOURCE  
 SYSTEMS FACULTY COORDINATOR  
 Note: NO MORE THAN 12 CREDITS OF GLOBE 321 AND  
 GLOBE 322 MAY BE APPLIED TOWARD DEGREE REQUIREMENTS  
 COURSE ONLY OFFERED FOR 3 CREDITS FALL 2019.  
 8684005 1 W 4:10-5:00, ARRANGED  
 MEETS: AUG 26-DEC 20

GLOBAL HEALTH GLOBE 360X 3 CREDITS  
 Prereq: BIOL 211  
 Note: Meets international perspectives reqmt  
 0097005 1 TR 4:10-5:25  
 MEETS: AUG 26-DEC 20

COOPERATIVE EDUCATN GLOBE 398 R CREDIT  
 Prereq: PERMISSION OF FACULTY COORDINATOR FOR THE  
 MAJOR, COMPLETION OF COOPERATIVE EDUCATION APPROVAL  
 FORM, REGISTRATION IN GLOBE 398X PRIOR TO COMMENCING  
 WORK PERIOD  
 Satisfactory-Fail Only.  
 9743005 1 ARRANGED  
 MEETS: AUG 26-DEC 20

SENIOR PROJECT GLOBE 401 3 CREDITS  
 Prereq: SENIOR CLASSIFICATION IN GLOBE  
 6799005 1 MW 3:10-4:00, ARRANGED  
 MEETS: AUG 26-DEC 20

GLOBAL RESOURCE SYSTEMS (CONTINUED)

SENIOR PROJ HONORS GLOBE 401H 3 CREDITS  
 8914005 1 MW 3:10-4:00 ARRANGED  
 MEETS: AUG 26-DEC 20

INDEPENDENT STUDY GLOBE 490A 1- 4 CREDITS  
 Prereq: INSTRUCTOR PERMISSION; APPROVAL BY  
 THE GLOBAL RESOURCE SYSTEMS FACULTY COORDINATOR  
 Note: NO MORE THAN 9 CREDITS OF 490 (ANY DEPT) MAY BE  
 APPLIED TOWARD GRADUATION IN GLOBAL RESOURCE SYSTEMS  
 \*\*\*\*\*  
 SEE DEPT FOR REFERENCE NUMBERS

IND STDY ENTREPRENR GLOBE 490E 1- 4 CREDITS  
 Prereq: INSTRUCTOR PERMISSION; APPROVAL BY  
 THE GLOBAL RESOURCE SYSTEMS FACULTY COORDINATOR  
 Note: NO MORE THAN 9 CREDITS OF 490 (ANY DEPT) MAY BE  
 APPLIED TOWARD GRADUATION IN GLOBAL RESOURCE SYSTEMS  
 8687005 1 ARRANGED  
 MEETS: AUG 26-DEC 20

INDEP STUDY HONORS GLOBE 490H 1- 4 CREDITS  
 Prereq: INSTRUCTOR PERMISSION; APPROVAL BY  
 THE GLOBAL RESOURCE SYSTEMS FACULTY COORDINATOR  
 Note: NO MORE THAN 9 CREDITS OF 490 (ANY DEPT) MAY BE  
 APPLIED TOWARD GRADUATION IN GLOBAL RESOURCE SYSTEMS  
 6817005 1 ARRANGED  
 MEETS: AUG 26-DEC 20

IND STDY SERVC LRN GLOBE 490Z 1- 4 CREDITS  
 Prereq: INSTRUCTOR PERMISSION; APPROVAL BY  
 THE GLOBAL RESOURCE SYSTEMS FACULTY COORDINATOR  
 Note: NO MORE THAN 9 CREDITS OF 490 (ANY DEPT) MAY BE  
 APPLIED TOWARD GRADUATION IN GLOBAL RESOURCE SYSTEMS.  
 COURSE ONLY OFFERED FOR 1 CREDIT FALL 2019.  
 6823005 UG ARRANGED  
 W 5:10-6:30PM  
 MEETS: AUG 26-DEC 20  
 Note: SEC UG POST-TRAVEL FOR UGANDA

SERVICE LEARN INT'L GLOBE 494A VAR. CREDITS  
 Prereq: PERMISSION OF INSTRUCTOR  
 Note: Meets international perspectives reqmt  
 3581005 1 ARRANGED  
 MEETS: AUG 26-DEC 20

SERVC LRNG DOMESTIC GLOBE 494B VAR. CREDITS  
 Prereq: PERMISSION OF INSTRUCTOR  
 3604005 VI ARRANGED  
 MEETS: AUG 26-DEC 20

SVC LRNG U.S.DVRSTY GLOBE 494C 3 CREDITS  
 Prereq: PERMISSION OF INSTRUCTOR  
 Note: Meets U.S. diversity reqmt  
 9775005 VI ARRANGED  
 MEETS: AUG 26-DEC 20  
 Note: Instructor permission required.

UNDERGRAD RESEARCH GLOBE 499 VAR. CREDITS  
 6903005 1 ARRANGED  
 MEETS: AUG 26-DEC 20

**GRADUATE STUDIES**

PREP PUBLSHBL THSIS GR ST 529 3 CREDITS  
 Prereq: INSTRUCTOR PERMISSION  
 9736010 2 TR 9:30-10:45  
 MEETS: AUG 26-DEC 20  
 Note: Instructor permission required.

PREP PUB THSIS CHPT GR ST 536X 3 CREDITS  
 0247005 1 ARRANGED  
 MEETS: AUG 26-DEC 20  
 0247010 2 TR 9:30-10:45  
 MEETS: AUG 26-DEC 20

RSPBL RSRCH CONDUCT GR ST 565 1 CREDIT  
 Prereq: GRADUATE CLASSIFICATION  
 7866005 1 W 11:00-11:50  
 MEETS: AUG 26-DEC 20  
 7866010 2 F 11:00-11:50  
 MEETS: AUG 26-DEC 20  
 7866015 3 M 1:10-2:00  
 MEETS: AUG 26-DEC 20

PREP FUTR FACLT SEM GR ST 585 2 CREDITS  
 Prereq: ONE YEAR OF GRADUATE COURSE WORK;  
 ADMISSION INTO PFF PROGRAM  
 8114005 1 T 6:30-8:30PM  
 MEETS: AUG 26-DEC 20  
 Note: Instructor permission required.

PREP FAC TCHG PRACT GR ST 587 1- 3 CREDITS  
 Prereq: PERMISSION OF INSTRUCTOR, GR ST 585,  
 CREDIT FOR OR CONCURRENT ENROLLMENT IN GR ST 586  
 7679005 1 ARRANGED  
 MEETS: AUG 26-DEC 20  
 Note: Instructor permission required.

GRADUATE STUDIES (CONTINUED)

PREP FTR FAC SPL TP GR ST 588 1- 3 CREDITS  
 Prereq: PERMISSION OF INSTRUCTOR, GR ST 585,  
 CREDIT FOR OR CONCURRENT ENROLLMENT IN GR ST 586  
 8341005 1 ARRANGED  
 MEETS: AUG 26-DEC 20  
 Note: SEC 1 IS TAR

8341010 2 ARRANGED  
 MEETS: AUG 26-DEC 20  
 Note: SEC 2 IS PFF

8341015 3 ARRANGED  
 MEETS: AUG 26-DEC 20  
 Note: SEC 3 IS CIRT

DOC PRELIM REGISTRA GR ST 680 R CREDIT  
 Note: SEE GRADUATE COLLEGE HANDBOOK FOR REQUIREMENTS.  
 THE SIGNATURE THAT IS REQUIRED IS THAT OF THE  
 GRADUATE COLLEGE, 1137 PEARSON.  
 College permission required.  
 7349005 1 ARRANGED  
 MEETS: AUG 26-DEC 20

REQD REG:DOC CONTIN GR ST 681A 1 CREDIT  
 Prereq: MUST HAVE TAKEN AND PASSED PRELIMINARY  
 ORAL EXAM  
 Note: CREDIT IN GR ST 681A MAY NOT BE APPLIED  
 TOWARD GRADUATION  
 Satisfactory-Fail Only.  
 8116005 1 ARRANGED  
 MEETS: AUG 26-DEC 20

REQD REG:FINAL EXAM GR ST 681B 1 CREDIT  
 Prereq: MUST HAVE COMPLETED ALL NECESSARY PROGRAM  
 REQUIREMENTS TO TAKE FINAL EXAM  
 Note: CREDIT IN GR ST 681B MAY NOT BE APPLIED  
 TOWARD GRADUATION  
 Satisfactory-Fail Only.  
 8117005 1 ARRANGED  
 MEETS: AUG 26-DEC 20

REQD REG:GRAD ASST GR ST 681C 1 CREDIT  
 Prereq: MUST BE A GRADUATE ASSISTANT  
 Note: CREDIT IN GR ST 681C MAY NOT BE APPLIED  
 TOWARD GRADUATION  
 Satisfactory-Fail Only.  
 8122005 1 ARRANGED  
 MEETS: AUG 26-DEC 20

PRACTICAL TRAINING GR ST 697 R CREDIT  
 Note: THE REQUIRED APPROVAL SIGNATURE SHOULD BE  
 OBTAINED IN 1137 PEARSON HALL  
 6905005 1 ARRANGED  
 MEETS: AUG 26-DEC 20  
 Note: College permission required.

**GRAPHIC DESIGN**

GRAPH DSGN STUDIO I ARTGR 270 3 CREDITS  
 Prereq: DSN S 102, DSN S 131 AND ENROLLMENT IN  
 ARTGR 275; ADMISSION TO THE GRAPHIC DESIGN PROGRAM  
 THROUGH DEPARTMENT REVIEW  
 Note: COURSE RESTRICTED TO ARTGR MAJORS. STUDENTS  
 ARE PLACED INTO SECTIONS BY THE DEPARTMENT.  
 1785005 1 TR 8:00-10:50  
 MEETS: AUG 26-DEC 20  
 1785010 2 TR 8:00-10:50  
 MEETS: AUG 26-DEC 20  
 1785015 3 TR 8:00-10:50  
 MEETS: AUG 26-DEC 20  
 1785020 4 TR 8:00-10:50  
 MEETS: AUG 26-DEC 20

DG PHOTO FOR GR DSN ARTGR 272 3 CREDITS  
 Prereq: CONCURRENT ENROLLMENT IN ARTGR 270 OR  
 ARTGR 271  
 9179005 1 MW 10:00-12:50  
 MEETS: AUG 26-DEC 20  
 9179010 2 MW 2:10-5:00  
 MEETS: AUG 26-DEC 20

GRAPHIC TECHNOLOGY I ARTGR 275 2 CREDITS  
 Prereq: CONCURRENT ENROLLMENT IN ARTGR 270  
 Note: COURSE RESTRICTED TO ARTGR MAJORS. STUDENTS  
 ARE PLACED INTO SECTIONS BY THE DEPARTMENT.  
 5281005 1 MW 8:00-9:50  
 MEETS: AUG 26-DEC 20  
 5281010 2 MW 8:00-9:50  
 MEETS: AUG 26-DEC 20  
 5281015 3 MW 8:00-9:50  
 MEETS: AUG 26-DEC 20  
 5281020 4 MW 8:00-9:50  
 MEETS: AUG 26-DEC 20

VISUAL COMMUNIC&BRND ARTGR 281 3 CREDITS  
 6024005 1 T 2:10-3:30, ARRANGED  
 MEETS: AUG 26-DEC 20  
 Note: THE ARRANGED TIME REPRESENTS WWW  
 6024010 2 T 2:10-3:30, ARRANGED  
 MEETS: AUG 26-DEC 20  
 Note: THE ARRANGED TIME REPRESENTS WWW  
 6024015 3 R 2:10-3:30, ARRANGED  
 MEETS: AUG 26-DEC 20  
 Note: THE ARRANGED TIME REPRESENTS WWW  
 6024020 4 R 2:10-3:30, ARRANGED  
 MEETS: AUG 26-DEC 20  
 Note: THE ARRANGED TIME REPRESENTS WWW

GRAPHIC DESIGN (CONTINUED)

GRAPHIC DSN STDO III ARTGR 370 3 CREDITS  
 Prereq: ARTGR 271, ARTGR 276, AND CREDIT OR  
 CONCURRENT ENROLLMENT IN ARTGR 387  
 Note: COURSE RESTRICTED TO ARTGR MAJORS  
 Instructor permission required 1st week.  
 1819005 1 MW 10:00-12:50  
 MEETS: AUG 26-DEC 20  
 1819010 2 MW 10:00-12:50  
 MEETS: AUG 26-DEC 20  
 1819015 3 MW 10:00-12:50  
 MEETS: AUG 26-DEC 20  
 1819020 4 MW 10:00-12:50  
 MEETS: AUG 26-DEC 20

GR DSN HIST,THY,C I ARTGR 387 3 CREDITS  
 Note: Meets international perspectives reqmt  
 1833005 1 MWF 1:10-2:00  
 MEETS: AUG 26-DEC 20

DIGITAL IMAGING ARTGR 464 3 CREDITS  
 Prereq: CONCURRENT ENROLLMENT IN ARTGR 370 OR  
 ARTGR 371 OR ARTGR 470  
 4227005 1 MW 2:10-5:00  
 MEETS: AUG 26-DEC 20

GRAPH DSGN STUDIO V ARTGR 470 3 CREDITS  
 Prereq: 371, ENROLLMENT IN A 2-CREDIT OPTION  
 Note: COURSE RESTRICTED TO ARTGR MAJORS  
 Instructor permission required 1st week.  
 1854005 1 TR 11:00-2:00  
 MEETS: AUG 26-DEC 20  
 1854010 2 TR 11:00-2:00  
 MEETS: AUG 26-DEC 20  
 1854015 3 TR 11:00-2:00  
 MEETS: AUG 26-DEC 20

EXHIBITION DESIGN ARTGR 474 3 CREDITS  
 Prereq: CONCURRENT ENROLLMENT IN ARTGR 370, ARTGR  
 371, ARTGR 470, OR ARTGR 482  
 Note: COURSE RESTRICTED TO ARTGR MAJORS ONLY  
 1868005 1 MW 2:10-5:00  
 MEETS: AUG 26-DEC 20

ADVANCED TYPOGRAPHY ARTGR 475 3 CREDITS  
 Prereq: CONCURRENT ENROLLMENT IN ARTGR 370, ARTGR  
 371, ARTGR 470 OR ARTGR 482  
 Note: COURSE RESTRICTED TO ARTGR MAJORS  
 1888005 1 TR 2:10-5:00  
 MEETS: AUG 26-DEC 20

GRPHC DSN METHODLGY ARTGR 476 3 CREDITS  
 Prereq: CONCURRENT ENROLLMENT IN ARTGR 370, ARTGR  
 371, ARTGR 470 OR ARTGR 482  
 1889005 1 TR 2:10-5:00  
 MEETS: AUG 26-DEC 20

STUDIES IN GRPH DSN ARTGR 484 1- 3 CREDITS  
 Prereq: CONCURRENT ENROLLMENT IN ARTGR 370,  
 ARTGR 371, OR ARTGR 470  
 Note: COURSE ONLY OFFERED FOR 3 CREDITS FALL 2019.  
 RESTRICTED TO ARTGR MAJORS ONLY.  
 Instructor permission required 1st week.  
 8261005 1 TR 12:40-3:30  
 MEETS: AUG 26-DEC 20

IND ST THEORY, CRIT ARTGR 490A 1- 6 CREDITS  
 Prereq: WRITTEN APPROVAL OF INSTR AND DEPT CHAIR  
 ON REQUIRED FORM IN ADVANCE OF SEMESTER OF ENROLLMENT  
 \*\*\*\*\*  
 SEE DEPT FOR REFERENCE NUMBERS

IND STUDY 2-D DESGN ARTGR 490B 1- 6 CREDITS  
 Prereq: WRITTEN APPROVAL OF INSTR AND DEPT CHAIR  
 ON REQUIRED FORM IN ADVANCE OF SEMESTER OF ENROLLMENT  
 \*\*\*\*\*  
 SEE DEPT FOR REFERENCE NUMBERS

IND STUDY 3-D DESGN ARTGR 490C 1- 6 CREDITS  
 Prereq: WRITTEN APPROVAL OF INSTR AND DEPT CHAIR  
 ON REQUIRED FORM IN ADVANCE OF SEMESTER OF ENROLLMENT  
 \*\*\*\*\*  
 SEE DEPT FOR REFERENCE NUMBERS

INDEP STUDY HONORS ARTGR 490H 1- 6 CREDITS  
 Prereq: WRITTEN APPROVAL OF INSTR AND DEPT CHAIR  
 ON REQUIRED FORM IN ADVANCE OF SEMESTER OF ENROLLMNT,  
 MEMBERSHIP IN UNIV HONORS PROGRAM  
 Note: COURSE RESTRICTED TO STUDENTS IN THE UNIVERSITY  
 HONORS PROGRAM ONLY  
 \*\*\*\*\*  
 SEE DEPT FOR REFERENCE NUMBERS

IND STU COOP,INTERN ARTGR 490I 1- 6 CREDITS  
 Prereq: WRITTEN APPROVAL OF INSTR AND DEPT CHAIR  
 ON REQUIRED FORM IN ADVANCE OF SEMESTER OF ENROLLMENT  
 \*\*\*\*\*  
 SEE DEPT FOR REFERENCE NUMBERS

PUBLICATN DSN:MAGAZN ARTGR 491 3 CREDITS  
 Prereq: CREDIT OR CONCURRENT ENROLLMENT IN ARTGR  
 370  
 Note: COURSE RESTRICTED TO ARTGR MAJORS  
 1939005 1 MW 2:10-5:00  
 MEETS: AUG 26-DEC 20

GRAPHIC DESIGN (CONTINUED)

GRPH DSGN FIELD STU ARTGR 497 1 CREDIT  
 Prereq: ACCEPTANCE TO THE UNDERGRADUATE OR  
 GRADUATE PROGRAMS IN GRAPHIC DESIGN  
 Satisfactory-Fail Only.  
 8803005 1 ARRANGED  
 MEETS: AUG 26-DEC 20  
 Note: Instructor permission required.

GRAPHIC DSGN THEORY ARTGR 510 3 CREDITS  
 Prereq: GRADUATE CLASSIFICATION IN COLLEGE  
 OF DESIGN OR PERMISSION OF INSTRUCTOR  
 5947005 1 T 1:10-4:00  
 MEETS: AUG 26-DEC 20

GRPHC DSGN STUDIO I ARTGR 511 3 CREDITS  
 Prereq: GRADUATE CLASSIFICATION IN COLLEGE  
 OF DESIGN OR PERMISSION OF INSTRUCTOR  
 6006005 1 MW 2:10-5:00  
 MEETS: AUG 26-DEC 20

AUDIENCE & PERCEPTN ARTGR 512 3 CREDITS  
 Prereq: GRADUATE CLASSIFICATION IN COLLEGE  
 OF DESIGN OR PERMISSION OF INSTRUCTOR  
 6038005 1 TR 10:00-12:50  
 MEETS: AUG 26-DEC 20

DIGITAL IMAGING ARTGR 564 3 CREDITS  
 Prereq: CONCURRENT ENROLLMENT IN ARTGR 370 OR  
 ARTGR 371 OR ARTGR 470  
 Note: COURSE IS RESTRICTED TO GRADUATE STUDENTS ONLY  
 2169005 1 MW 2:10-5:00  
 MEETS: AUG 26-DEC 20

EXHIBITION DESIGN ARTGR 574 3 CREDITS  
 Prereq: CONCURRENT ENROLLMENT IN ARTGR 370  
 OR ARTGR 371 OR ARTGR 470; OR GRAD CLASSIFICATION  
 IN THE COLLEGE OF DESIGN  
 2047005 1 MW 2:10-5:00  
 MEETS: AUG 26-DEC 20

ADVANCED TYPOGRAPHY ARTGR 575 3 CREDITS  
 Prereq: CONCURRENT ENROLLMENT IN ARTGR 370  
 OR ARTGR 371 OR ARTGR 470; OR GRAD CLASSIFICATION  
 IN THE COLLEGE OF DESIGN  
 2113005 1 TR 2:10-5:00  
 MEETS: AUG 26-DEC 20

GRPHC DSGN METHDOL ARTGR 576 3 CREDITS  
 Prereq: CONCURRENT ENROLLMENT IN ARTGR 370  
 OR ARTGR 371 OR ARTGR 470; OR GRAD CLASSIFICATION  
 IN THE COLLEGE OF DESIGN  
 2058005 1 TR 2:10-5:00  
 MEETS: AUG 26-DEC 20

STUDIES IN GRPH DSN ARTGR 584 1- 3 CREDITS  
 Prereq: GRAD CLASSIFICATION IN COLLEGE OF DESIGN  
 Note: COURSE ONLY OFFERED FOR 3 CREDITS FALL 2019  
 Instructor permission required 1st week.  
 8262005 1 TR 12:40-3:30  
 MEETS: AUG 26-DEC 20

GRPH DSN HIST/THY I ARTGR 587 3 CREDITS  
 Prereq: GRAD CLASSIFICATION  
 Note: COURSE RESTRICTED TO GRADUATE A V C, ARTGR,  
 ARTID, ARTIS, IND D MAJORS  
 Meets international perspectives reqmt  
 Instructor permission required 1st week.  
 7561005 1 MWF 1:10-2:00  
 MEETS: AUG 26-DEC 20

SPL TOPCS THRY,CRIT ARTGR 590A VAR. CREDITS  
 Prereq: BACHELOR'S DEGREE IN GRAPHIC DESIGN, OR  
 EVIDENCE OF SATISFACTORY EQUIVALENCY IN SPECIALIZED  
 AREA. WRITTEN APPROVAL OF INSTRUCTOR AND DEPT CHAIR  
 ON REQUIRED FORM IN ADVANCE OF SEMESTER OF ENROLLMENT  
 Note: COURSE RESTRICTED TO GRADUATE A V C, ARTGR,  
 ARTID, ARTIS, IND D MAJORS  
 \*\*\*\*\*  
 SEE DEPT FOR REFERENCE NUMBERS

SPL TOP 2-DIMEN DSN ARTGR 590B VAR. CREDITS  
 Prereq: BACHELOR'S DEGREE IN GRAPHIC DESIGN, OR  
 EVIDENCE OF SATISFACTORY EQUIVALENCY IN SPECIALIZED  
 AREA. WRITTEN APPROVAL OF INSTRUCTOR AND DEPT CHAIR  
 ON REQUIRED FORM IN ADVANCE OF SEMESTER OF ENROLLMT.  
 Note: COURSE RESTRICTED TO GRADUATE A V C, ARTGR,  
 ARTID, ARTIS, IND D MAJORS  
 \*\*\*\*\*  
 SEE DEPT FOR REFERENCE NUMBERS

SPL TOP 3-DIMEN DSN ARTGR 590C VAR. CREDITS  
 Prereq: BACHELOR'S DEGREE IN GRAPHIC DESIGN, OR  
 EVIDENCE OF SATISFACTORY EQUIVALENCY IN SPECIALIZED  
 AREA. WRITTEN APPROVAL OF INSTRUCTOR AND DEPT CHAIR  
 ON REQUIRED FORM IN ADVANCE OF SEMESTER OF ENROLLMT.  
 Note: COURSE RESTRICTED TO GRADUATE A V C, ARTGR,  
 ARTID, ARTIS, IND D MAJORS  
 \*\*\*\*\*  
 SEE DEPT FOR REFERENCE NUMBERS



## GRAPHIC DESIGN

(CONTINUED)

CREATIVE COMPONENT ARTGR 599 VAR. CREDITS  
\*\*\*\*\*  
SEE DEPT FOR REFERENCE NUMBERS

ADVANCED TOPICS ARTGR 690 VAR. CREDITS  
Prereq: MFA CLASSIFICATION, INSTRUCTOR PERMISSION  
Note: RESTRICTED TO DESIGN COLLEGE GRADUATE STUDENTS  
Instructor permission required 1st week.  
\*\*\*\*\*  
SEE DEPT FOR REFERENCE NUMBERS

RESEARCH - THESIS ARTGR 699 VAR. CREDITS  
\*\*\*\*\*  
SEE DEPT FOR REFERENCE NUMBERS

**HEALTH STUDIES**

1ST AID & EMERG CARE H S 105 2 CREDITS  
4081005 1A MWF 10:00-10:50  
MEETS: AUG 26-DEC 20  
Note: SEC 1A RESTRICTED TO KIN H, A TR, P ATR MAJORS  
4081010 1B MWF 10:00-10:50  
MEETS: AUG 26-DEC 20  
4081015 2A MWF 11:00-11:50  
MEETS: AUG 26-DEC 20  
Note: SEC 2A RESTRICTED TO KIN H, A TR, P ATR MAJORS  
4081020 2B MWF 11:00-11:50  
MEETS: AUG 26-DEC 20  
4081025 3A TR 11:00-12:15  
MEETS: AUG 26-DEC 20  
Note: SEC 3A RESTRICTED TO KIN H, A TR, P ATR MAJORS  
4081030 3B TR 11:00-12:15  
MEETS: AUG 26-DEC 20  
4081035 4A TR 12:40-2:00  
MEETS: AUG 26-DEC 20  
Note: SEC 4A RESTRICTED TO KIN H, A TR, P ATR MAJORS  
4081040 4B TR 12:40-2:00  
MEETS: AUG 26-DEC 20

PERS & CONSUMER HLTH H S 110 3 CREDITS  
Note: SEC 1A, 2A ETC. RESTRICTED TO A TR, P ATR,  
PDEXA, PDEXH, KIN H SOPH, JR & SR  
4082005 1A MWF 9:00-9:50  
MEETS: AUG 26-DEC 20  
4082010 1B MWF 9:00-9:50  
MEETS: AUG 26-DEC 20  
4082015 2A MWF 10:00-10:50  
MEETS: AUG 26-DEC 20  
4082020 2B MWF 10:00-10:50  
MEETS: AUG 26-DEC 20  
4082035 3A MWF 11:00-11:50  
MEETS: AUG 26-DEC 20  
4082036 3B MWF 11:00-11:50  
MEETS: AUG 26-DEC 20  
4082040 4A TR 11:00-12:20  
MEETS: AUG 26-DEC 20  
4082045 4B TR 11:00-12:20  
MEETS: AUG 26-DEC 20  
4082055 5A TR 11:00-12:20  
MEETS: AUG 26-DEC 20  
4082060 5B TR 11:00-12:20  
MEETS: AUG 26-DEC 20  
4082065 6A TR 12:40-2:00  
MEETS: AUG 26-DEC 20  
4082070 6B TR 12:40-2:00  
MEETS: AUG 26-DEC 20  
4082075 7A ARRANGED  
MEETS: AUG 26-DEC 20  
Note: Course delivery is WWW  
4082080 7B ARRANGED  
MEETS: AUG 26-DEC 20  
Note: SEC 7B RESTRICTED TO SOPH, JR & SR  
Course delivery is WWW

DRUG EDUCATION H S 215 3 CREDITS  
Prereq: PSYCH 101 OR PSYCH 230  
4083005 1A TR 9:30-10:50  
MEETS: AUG 26-DEC 20  
Note: SEC 1A RESTRICTED TO KIN H, A TR, P ATR  
MAJORS ONLY  
4083010 1B TR 9:30-10:50  
MEETS: AUG 26-DEC 20  
4083015 2A TR 8:00-9:20  
MEETS: AUG 26-DEC 20  
Note: SEC 2A RESTRICTED TO KIN H, A TR, P ATR  
MAJORS ONLY  
4083020 2B TR 8:00-9:20  
MEETS: AUG 26-DEC 20

HEALTH ED ELEM SCHL H S 275 3 CREDITS  
Prereq: HD FS 102 OR HD FS 226  
Note: CREDIT FOR EITHER H S 275 OR H S 375, BUT NOT  
BOTH, MAY BE APPLIED TOWARD GRADUATION  
Instructor permission required 1st week.  
4084005 1 MWF 11:00-11:50  
MEETS: AUG 26-DEC 20

## HEALTH STUDIES

(CONTINUED)

PRE-INTERN KIN&HLTH H S 285 1- 2 CREDITS  
Prereq: KINESIOLOGY AND HEALTH MAJOR, AND  
PERMISSION OF INTERNSHIP COORDINATOR  
Satisfactory-Fail Only.  
2051005 1 ARRANGED  
MEETS: AUG 26-DEC 20  
Note: Department permission required.

INSTR'S 1ST AID&CPR H S 305 2 CREDITS  
Prereq: H S 105, CURRENT STANDARD FIRST AID AND  
COMMUNITY CPR CERTIFICATION  
4086005 1 MWF 9:00-9:50  
MEETS: AUG 26-DEC 20  
Note: SEC 1 RESTRICTED TO A TR, D EXA, D EXH,  
KIN H, P ATR, PDEXA, PDEXH MAJORS ONLY  
4086010 2 MWF 9:00-9:50  
MEETS: AUG 26-DEC 20  
Note: SEC 2 RESTRICTED TO MAJORS OTHER THAN  
A TR, D EXA, D EXH, KIN H, P ATR, PDEXA, PDEXH

COMMUN&PUBLC HEALTH H S 310 3 CREDITS  
Prereq: H S 110  
4087005 1A MWF 11:00-11:50  
MEETS: AUG 26-DEC 20  
Note: SEC 1A RESTRICTED TO KIN H JUNIORS  
AND SENIORS  
4087010 1B MWF 11:00-11:50  
MEETS: AUG 26-DEC 20  
Note: SEC 1B RESTRICTED TO YR 3 & 4

HUMAN DISEASES H S 350 3 CREDITS  
Prereq: H S 110 AND BIOL 255, BIOL 256  
4088005 1A TR 12:40-2:00  
MEETS: AUG 26-DEC 20  
Note: SEC 1A RESTRICTED TO KIN H, D EXA, D EXH, PDEXA,  
PDEXH, A TR, P ATR JUNIORS AND SENIORS  
4088010 1B TR 12:40-2:00  
MEETS: AUG 26-DEC 20  
Note: SEC 1B RESTRICTED TO YR 3 & 4

TEACH-LEARN HLTH ED H S 375 3 CREDITS  
Prereq: H S 105, H S 110, H S 215  
Note: CREDIT FOR EITHER H S 275 OR H S 375, BUT NOT  
BOTH, MAY BE APPLIED TOWARD GRADUATION  
Instructor permission required 1st week.  
4089005 1 TR 2:10-3:25  
MEETS: AUG 26-DEC 20

WRKSITE HLTH PROMOT H S 380 3 CREDITS  
Prereq: KIN 258, KIN 366  
Note: COURSE RESTRICTED TO A TR, D EXA, D EXH, P ATR,  
PDEXA, PDEXH, KIN H JUNIORS AND SRS  
3795005 1 MWF 11:00-11:50  
MEETS: AUG 26-DEC 20  
3795010 2 MWF 11:00-11:50  
MEETS: AUG 26-DEC 20  
Note: SEC 2 RESTRICTED TO YR 3 & 4

INTERNSH SRCH STRAT H S 385 .5 CREDIT  
Prereq: JUNIOR CLASSIFICATION; TO BE TAKEN  
MINIMUM OF TWO SEMESTERS PRIOR TO REQUIRED INTERNSHIP  
Note: COURSE RESTRICTED TO A TR, DEX A, DEX H, KIN,  
KIN H, PDEXA, PDEXH JUNIORS AND ABOVE  
Satisfactory-Fail Only.  
3789005 1 R 2:10-3:00, ARRANGED  
MEETS: AUG 26-OCT 18  
3789010 2 F 1:10-2:00, ARRANGED  
MEETS: AUG 26-OCT 18

SUPV TCHG HLTH,SCDY H S 417A 16 CREDITS  
Prereq: H S 375, ADVANCE REGISTRATION REQUIRED  
Note: SPECIAL COURSE FEE OF \$210 APPLIES.  
RESTRICTED TO STUDENTS OF THE EDUCATOR PREP  
PROGRAM  
9508005 1 ARRANGED  
MEETS: AUG 26-DEC 20

TEACH HLTH SEC,ADDL H S 417B VAR. CREDITS  
Prereq: H S 375, ADVANCE REGISTRATION REQUIRED  
Note: SPECIAL COURSE FEE OF \$210 APPLIES.  
RESTRICTED TO STUDENTS OF THE EDUCATOR PREP  
PROGRAM  
9507005 1 ARRANGED  
MEETS: AUG 26-DEC 20

COMM HLTH PROG DEV H S 430 3 CREDITS  
Note: COURSE RESTRICTED TO A TR, D EXA, D EXH, KIN H,  
P ATR JUNIORS AND SENIORS  
4093005 1 MWF 10:00-10:50  
MEETS: AUG 26-DEC 20

PHY ACTVY EPIDEMIO H S 464 3 CREDITS  
Prereq: KIN 358 OR H S 350; STAT 101 OR STAT 587  
9726005 1 TR 9:30-10:50  
MEETS: AUG 26-DEC 20

HEALTH STUDIES

(CONTINUED)

INTERNSHP HLTH STDI H S 485 8-16 CREDITS  
 Prereq: SENIOR CLASSIFICATION AND ADVANCE  
 REGISTRATION  
 Note: Instructor permission required.  
 Satisfactory-Fail Only.  
 4095100 PO ARRANGED POWER D  
 MEETS: AUG 26-DEC 20

INDEPENDENT STUDY H S 490 1- 3 CREDITS  
 Prereq: 6 CR IN H S, PERMISSION OF COORDINATOR  
 Note: Instructor permission required 1st week.  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

HONORS INDEP STUDY H S 490H 1- 3 CREDITS  
 Prereq: 6 CR IN H S, PERMISSION OF COORDINATOR,  
 MEMBERSHIP IN UNIVERSITY HONORS PROGRAM  
 Note: Instructor permission required 1st week.  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

HIGHER EDUCATION

FOUND ENGINEERG EDUC HG ED 538X 3 CREDITS  
 Prereq: CLASSIFICATION AS AN ENGINEERING  
 GRADUATE STUDENT OR PERMISSION OF INSTRUCTOR  
 0208005 1 R 5:30-8:30PM AHN B  
 MEETS: AUG 26-DEC 20

LDRSP:SELF&INTERACT HG ED 540 2 CREDITS  
 Prereq: PERMISSION OF INSTRUCTOR  
 7956005 1 T 2:10-5:00  
 MEETS: AUG 26-DEC 20  
 Note: Instructor permission required.

LDR&TEAM:KNOW,DO,BE HG ED 542 2 CREDITS  
 Prereq: PERMISSION OF INSTRUCTOR  
 7952005 1 T 2:10-5:00  
 MEETS: AUG 26-DEC 20  
 Note: Instructor permission required.

EQUITY,DVRS STU AFF HG ED 573 3 CREDITS  
 Prereq: GRADUATE CLASSIFICATION  
 6531005 1 T 1:10-4:00  
 MEETS: AUG 26-DEC 20  
 6531010 2 T 1:10-4:00  
 MEETS: AUG 26-DEC 20

STUDNT AFFAIRS PRAC HG ED 574 3 CREDITS  
 Prereq: GRADUATE CLASSIFICATION, ADMISSION TO  
 HIGHER EDUCATION PROGRAM  
 Note: COURSE FOR HG ED STUDENTS - OTHERS BY INSTRUCTOR  
 PERMISSION ONLY  
 4116005 1 M 1:10-4:00  
 MEETS: AUG 26-DEC 20  
 4116010 2 M 1:10-4:00  
 MEETS: AUG 26-DEC 20

ORG&ADM STUD AFFAIR HG ED 575 3 CREDITS  
 Prereq: ADMISSION TO HIGHER EDUCATION PROGRAM,  
 HG ED 574  
 Note: COURSE FOR HG ED STUDENTS - OTHERS BY INSTRUCTOR  
 PERMISSION ONLY  
 4117005 1 W 1:10-4:00  
 MEETS: AUG 26-DEC 20  
 4117010 2 W 1:10-4:00  
 MEETS: AUG 26-DEC 20

STUDENTS AMER HG ED HG ED 578 3 CREDITS  
 Prereq: ADMISSION TO HIGHER EDUCATION PROGRAM  
 Note: COURSE FOR HG ED STUDENTS - OTHERS BY INSTRUCTOR  
 PERMISSION ONLY  
 7348005 1 M 1:10-4:00  
 MEETS: AUG 26-DEC 20  
 7348010 2 T 9:00-11:50  
 MEETS: AUG 26-DEC 20

SPL TOP STDT SERVIC HG ED 590A 1- 4 CREDITS  
 Prereq: 9 CREDITS IN EDUCATION  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

SPL TOP COMMUN COLL HG ED 590B 1- 4 CREDITS  
 Prereq: 9 CREDITS IN EDUCATION  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

SPL TOP CURRENT ISS HG ED 590C 1- 4 CREDITS  
 Prereq: 9 CREDITS IN EDUCATION  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

SPL TOP INTNL HG ED HG ED 590D 1- 4 CREDITS  
 Prereq: 9 CREDITS IN EDUCATION  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

SP TOP FED&STAT AFF HG ED 590E 1- 4 CREDITS  
 Prereq: 9 CREDITS IN EDUCATION  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

HIGHER EDUCATION

(CONTINUED)

SP TOP L&W IN HG ED HG ED 590F 1- 4 CREDITS  
 Prereq: 9 CREDITS IN EDUCATION  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

SP TOP INSTITNL RES HG ED 590G 1- 4 CREDITS  
 Prereq: 9 CREDITS IN EDUCATION  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

SUPV FIELD EXPERIEN HG ED 591 1- 4 CREDITS  
 Prereq: 9 CREDITS GRADUATE WORK  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

WORKSHOPS HG ED 593 1- 5 CREDITS  
 Prereq: 15 CREDITS IN EDUCATION  
 4136005 1 ARRANGED  
 MEETS: AUG 26-DEC 20  
 Note: Course delivery is WWW

CREATIVE COMPONENT HG ED 599 VAR. CREDITS  
 Prereq: 9 CREDITS IN EDUCATION  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

FINANCING HIGHER ED HG ED 665 3 CREDITS  
 4147005 1 T 5:30-8:30PM  
 MEETS: AUG 26-DEC 20

ACAD ISSUES&CULTURS HG ED 666 3 CREDITS  
 7319005 1 M 5:30-8:20PM  
 MEETS: AUG 26-DEC 20

ADV SPECIAL TOPICS HG ED 690 1- 4 CREDITS  
 Prereq: 9 CREDITS IN EDUCATION  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

RESEARCH HG ED 699 VAR. CREDITS  
 Prereq: 9 CREDITS IN EDUCATION  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

HISTORY

INTRODUC TO HISTORY HIST 195 1 CREDIT  
 Prereq: CLASSIFICATION AS A HISTORY MAJOR  
 Note: COURSE RESTRICTED TO HIST MAJORS ONLY  
 9223005 1 W 10:00-10:50  
 MEETS: AUG 26-DEC 20  
 9223010 2 M 10:00-10:50  
 MEETS: AUG 26-DEC 20

INTRO WESTERN CIV I HIST 201 3 CREDITS  
 Note: Meets international perspectives reqmt  
 4150005 1 MW 10:00-10:50 BAILEY M  
 W 9:00-9:50  
 MEETS: AUG 26-DEC 20  
 4150010 2 MW 10:00-10:50 BAILEY M  
 W 11:00-11:50  
 MEETS: AUG 26-DEC 20  
 4150015 3 MW 10:00-10:50 BAILEY M  
 F 9:00-9:50  
 MEETS: AUG 26-DEC 20  
 4150020 4 MW 10:00-10:50 BAILEY M  
 F 10:00-10:50  
 MEETS: AUG 26-DEC 20  
 4150025 5 TR 11:00-12:20 GRIFFITHS P  
 MEETS: AUG 26-DEC 20  
 4150030 6 MW 3:10-4:30 HILL K  
 MEETS: AUG 26-DEC 20

INTR WESTERN CIV II HIST 202 3 CREDITS  
 Note: Meets international perspectives reqmt  
 4151005 1 MW 12:10-1:00 BEST J  
 W 10:00-10:50  
 MEETS: AUG 26-DEC 20  
 4151010 2 MW 12:10-1:00 BEST J  
 W 1:10-2:00  
 MEETS: AUG 26-DEC 20  
 4151015 3 MW 12:10-1:00 BEST J  
 F 12:10-1:00  
 MEETS: AUG 26-DEC 20  
 4151020 4 MW 12:10-1:00 BEST J  
 F 1:10-2:00  
 MEETS: AUG 26-DEC 20

SURVEY U.S. HIST I HIST 221 3 CREDITS  
 4155005 1 MW 12:10-1:00 BREMER J  
 W 11:00-11:50  
 MEETS: AUG 26-DEC 20  
 4155010 2 MW 12:10-1:00 BREMER J  
 W 10:00-10:50  
 MEETS: AUG 26-DEC 20  
 4155015 3 MW 12:10-1:00 BREMER J  
 F 11:00-11:50  
 MEETS: AUG 26-DEC 20  
 4155020 4 MW 12:10-1:00 BREMER J  
 F 12:10-1:00  
 MEETS: AUG 26-DEC 20  
 4155025 5 MW 11:00-11:50 COURTWRIGHT J  
 W 10:00-10:50  
 MEETS: AUG 26-DEC 20  
 4155030 6 MW 11:00-11:50 COURTWRIGHT J  
 W 1:10-2:00  
 MEETS: AUG 26-DEC 20  
 4155035 7 MW 11:00-11:50 COURTWRIGHT J  
 F 10:00-10:50  
 MEETS: AUG 26-DEC 20

## HISTORY

(CONTINUED)

SURVEY U.S. HIST I HIST 221 3 CREDITS  
4155040 8 MW 11:00-11:50 COURTWRIGHT J  
F 11:00-11:50  
MEETS: AUG 26-DEC 20

4155045 9 MW 9:00-9:50 MCDONNELL L  
W 10:00-10:50  
MEETS: AUG 26-DEC 20

4155050 10 MW 9:00-9:50 MCDONNELL L  
W 12:10-1:00  
MEETS: AUG 26-DEC 20

4155055 11 MW 9:00-9:50 MCDONNELL L  
F 9:00-9:50  
MEETS: AUG 26-DEC 20

4155060 12 MW 9:00-9:50 MCDONNELL L  
F 10:00-10:50  
MEETS: AUG 26-DEC 20

4155065 13 TR 9:30-10:50 HILLIARD K  
MEETS: AUG 26-DEC 20

SURVEY U.S. HIST II HIST 222 3 CREDITS  
4156005 1 MW 10:00-10:50 RINEY-KEHRBERG P  
W 9:00-9:50  
MEETS: AUG 26-DEC 20

4156010 2 MW 10:00-10:50 RINEY-KEHRBERG P  
W 11:00-11:50  
MEETS: AUG 26-DEC 20

4156015 3 MW 10:00-10:50 RINEY-KEHRBERG P  
F 9:00-9:50  
MEETS: AUG 26-DEC 20

4156020 4 MW 10:00-10:50 RINEY-KEHRBERG P  
F 10:00-10:50  
MEETS: AUG 26-DEC 20

4156025 5 MW 1:10-2:00 CORDERY S  
W 10:00-10:50  
MEETS: AUG 26-DEC 20

4156030 6 MW 1:10-2:00 CORDERY S  
W 11:00-11:50  
MEETS: AUG 26-DEC 20

4156035 7 MW 1:10-2:00 CORDERY S  
F 11:00-11:50  
MEETS: AUG 26-DEC 20

4156040 8 MW 10:00-10:50 CORDERY S  
F 1:10-2:00  
MEETS: AUG 26-DEC 20

INTR HIST OF SCI II HIST 281 3 CREDITS  
Note: Meets international perspectives reqmt  
4162005 1 TR 2:10-3:30  
MEETS: AUG 26-DEC 20

WONDRS WLD GLB INNV HIST 284 3 CREDITS  
Note: Meets international perspectives reqmt  
4163005 1 MW 11:00-11:50  
W 12:10-1:00  
MEETS: AUG 26-DEC 20

4163010 2 MW 11:00-11:50  
W 1:10-2:00  
MEETS: AUG 26-DEC 20

4163015 3 MW 11:00-11:50  
F 10:00-10:50  
MEETS: AUG 26-DEC 20

4163020 4 MW 11:00-11:50  
F 11:00-11:50  
MEETS: AUG 26-DEC 20

HIS CHINA 1644-1912 HIST 336 3 CREDITS  
Prereq: SOPHOMORE CLASSIFICATION  
Note: COURSE RESTRICTED TO SOPHOMORES AND ABOVE  
Meets international perspectives reqmt  
4171005 1 TR 2:10-3:30 WANG T  
MEETS: AUG 26-DEC 20

HIST LATIN AMERIC I HIST 340 3 CREDITS  
Prereq: SOPHOMORE CLASSIFICATION  
Note: COURSE RESTRICTED TO SOPHOMORES AND ABOVE  
4174005 1 TR 9:30-10:50 HERNANDEZ B  
MEETS: AUG 26-DEC 20

U.S. ENVIRNMTL HIST HIST 363 3 CREDITS  
Prereq: SOPHOMORE CLASSIFICATION  
9189005 1 MWF 12:10-1:00 COURTWRIGHT J  
MEETS: AUG 26-DEC 20

GREEK CIVILIZATION HIST 402 3 CREDITS  
Prereq: SOPHOMORE CLASSIFICATION  
Note: COURSE RESTRICTED TO SOPHOMORES AND ABOVE  
Instructor permission required 1st week.  
4192005 1 MW 3:10-4:30 HOLLANDER D  
MEETS: AUG 26-DEC 20

BIRTH EUR MDDL AGES HIST 406 3 CREDITS  
Prereq: SOPHOMORE CLASSIFICATION  
Note: COURSE RESTRICTED TO SOPHOMORES AND ABOVE  
4195005 1 MWF 12:10-1:00 BAILEY M  
MEETS: AUG 26-DEC 20

## HISTORY

(CONTINUED)

HIST MODERN FRANCE HIST 419 3 CREDITS  
Prereq: SOPHOMORE CLASSIFICATION  
4035005 1 TR 11:00-12:20 MONROE J  
MEETS: AUG 26-DEC 20

RUSSN INTELCT&CULTR HIST 423 3 CREDITS  
Prereq: SOPHOMORE CLASSIFICATION  
0088005 1 M 3:10-6:00PM ANDREWS J  
MEETS: AUG 26-DEC 20

HIST MODERN GERMANY HIST 424 3 CREDITS  
Prereq: SOPHOMORE CLASSIFICATION  
Note: COURSE RESTRICTED TO SOPHOMORES AND ABOVE  
7235005 1 MWF 10:00-10:50 BEST J  
MEETS: AUG 26-DEC 20

CRIME&POLIC ENGLAND HIST 427 3 CREDITS  
Prereq: SOPHOMORE CLASSIFICATION  
Note: COURSE RESTRICTED TO SOPHOMORES AND ABOVE  
7268005 1 TR 2:10-3:30 GRIFFITHS P  
MEETS: AUG 26-DEC 20

REBELLN&RV LTN AMER HIST 442 3 CREDITS  
Prereq: SOPHOMORE CLASSIFICATION  
Note: COURSE RESTRICTED TO SOPHOMORES AND ABOVE  
Meets international perspectives reqmt  
1206005 1 TR 12:40-2:00 HERNANDEZ B  
MEETS: AUG 26-DEC 20

COLONIAL AMERICA HIST 450 3 CREDITS  
Prereq: SOPHOMORE CLASSIFICATION  
Note: COURSE RESTRICTED TO SOPHOMORES AND ABOVE  
Instructor permission required 1st week.  
7968005 1 TR 9:30-10:50 KEHRBERG R  
MEETS: AUG 26-DEC 20

THE RURAL SOUTH HIST 461 3 CREDITS  
Prereq: SOPHOMORE CLASSIFICATION  
Note: COURSE RESTRICTED TO SOPHOMORES AND ABOVE  
8908005 1 TR 2:10-3:30 HILLIARD K  
MEETS: AUG 26-DEC 20

EXPERC III:HIST/SOC HIST 480A 2 CREDITS  
Prereq: FULL ADMISSION TO THE UNIVERSITY  
TEACHER EDUCATION PROGRAM  
Note: COURSE RESTRICTED TO HIST, POL S MAJORS  
WITH FULL OR TENTATIVE ADMISSION TO THE UNIVERSITY  
TEACHER EDUCATION PROGRAM  
THERE IS A SPECIAL COURSE FEE OF \$90 FOR THIS  
COURSE  
8693005 1 ARRANGED BREMER J  
MEETS: AUG 26-DEC 20

THE WORLD AT WAR HIST 489 3 CREDITS  
4455005 1 TR 12:40-2:00 RUTENBERG A  
MEETS: AUG 26-DEC 20

INDEPENDENT STUDY HIST 490 1- 3 CREDITS  
Prereq: 9 CREDITS IN HISTORY; PERMISSION OF  
DEPARTMENT CHAIR  
Note: COURSE RESTRICTED TO SOPHOMORES AND ABOVE.  
NO MORE THAN 6 CREDITS OF HIST 490 MAY BE APPLIED  
TOWARD GRADUATION WITH A MAJOR IN HISTORY. NO CREDITS  
OF HIST 490 MAY BE APPLIED TOWARD A MINOR IN HISTORY.  
Instructor permission required 1st week.  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

HISTRIOG&RESRCH WRT HIST 495 3 CREDITS  
Prereq: SR HISTORY MAJORS WITH AT LEAST 12 CR OF  
300+ LEVEL HISTORY COURSES  
Note: COURSE RESTRICTED TO HIST SENIORS ONLY  
4238005 1 M 2:10-5:00 MCDONNELL L  
MEETS: AUG 26-DEC 20

4238010 2 T 1:10-4:00 BIX A  
MEETS: AUG 26-DEC 20

MTHDS TCHG HIST/SOC HIST 498 3 CREDITS  
Prereq: CONCURRENT ENROLLMENT IN C I 480A;  
ADMISSION TO TEACHER EDUC; 30 CREDITS IN SUBJECT-  
MATTER FIELD  
Note: RESTRICTED TO HIST, POL S MAJORS WITH FULL  
OR TENTATIVE ADMISSION TO THE UNIVERSITY TEACHER  
EDUCATION PROGRAM  
7032005 1 M 6:10-9:00PM BREMER J  
MEETS: AUG 26-DEC 20

READGS SMNR MOD EUR HIST 512C 3 CREDITS  
Prereq: PERMISSION OF INSTRUCTOR  
Note: Instructor permission required 1st week.  
4245005 1 M 2:10-5:00 CORDERY S  
MEETS: AUG 26-DEC 20

RDG SMNR ENVIR:GLOB HIST 554C 3 CREDITS  
Prereq: PERMISSION OF INSTRUCTOR  
4578005 1 T 5:10-8:00PM LOW M  
MEETS: AUG 26-DEC 20

HISTORY

(CONTINUED)

RDGS SMNR TECH HIST HIST 575 3 CREDITS  
 Prereq: PERMISSION OF INSTRUCTOR  
 4260005 1 W 2:10-5:00 WOLTERS T  
 MEETS: AUG 26-DEC 20

SPECIAL TOPICS HIST 590 1- 3 CREDITS  
 Prereq: PERMISSION OF INSTRUCTOR  
 Note: Instructor permission required 1st week.  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

CREATIVE COMPONENT HIST 599 1- 6 CREDITS  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

RESEARCH HIST 699 1- 6 CREDITS  
 Note: Instructor permission required 1st week.  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

HONORS

FIRST-YR HONORS SEM HON 121 1 CREDIT  
 Prereq: MEMBERSHIP IN THE FRESHMAN HONORS PROGRAM  
 Note: COURSE RESTRICTED TO HONORS PROGRAM STUDENTS  
 ENTERING ISU SUMMER 2019 OR FALL 2019  
 Satisfactory-Fail Only.

4623015 A1 MW 10:00-10:50  
 MEETS: AUG 26-DEC 20

4623020 A2 MW 10:00-10:50  
 MEETS: AUG 26-DEC 20

4623025 A3 MW 10:00-10:50  
 MEETS: AUG 26-DEC 20

4623030 B1 MW 11:00-11:50  
 MEETS: AUG 26-DEC 20

4623035 B2 MW 11:00-11:50  
 MEETS: AUG 26-DEC 20

4623040 B3 MW 11:00-11:50  
 MEETS: AUG 26-DEC 20

4623045 C1 MW 12:10-1:00  
 MEETS: AUG 26-DEC 20

4623050 C2 MW 12:10-1:00  
 MEETS: AUG 26-DEC 20

4623055 C3 MW 12:10-1:00  
 MEETS: AUG 26-DEC 20

4623060 D1 MW 1:10-2:00  
 MEETS: AUG 26-DEC 20

4623065 D2 MW 1:10-2:00  
 MEETS: AUG 26-DEC 20

4623070 D3 MW 1:10-2:00  
 MEETS: AUG 26-DEC 20

4623075 E1 MW 2:10-3:00  
 MEETS: AUG 26-DEC 20

4623080 E2 MW 2:10-3:00  
 MEETS: AUG 26-DEC 20

4623085 E3 MW 2:10-3:00  
 MEETS: AUG 26-DEC 20

4623090 F1 MW 3:10-4:00  
 MEETS: AUG 26-DEC 20

4623095 F2 MW 3:10-4:00  
 MEETS: AUG 26-DEC 20

4623100 F3 MW 3:10-4:00  
 MEETS: AUG 26-DEC 20

4623105 G1 TR 10:00-10:50  
 MEETS: AUG 26-DEC 20

4623110 G2 TR 10:00-10:50  
 MEETS: AUG 26-DEC 20

4623115 G3 TR 10:00-10:50  
 MEETS: AUG 26-DEC 20

4623120 H1 TR 11:00-11:50  
 MEETS: AUG 26-DEC 20

4623125 H2 TR 11:00-11:50  
 MEETS: AUG 26-DEC 20

4623130 H3 TR 11:00-11:50  
 MEETS: AUG 26-DEC 20

4623135 J1 TR 12:10-1:00  
 MEETS: AUG 26-DEC 20

4623140 J2 TR 12:10-1:00  
 MEETS: AUG 26-DEC 20

4623145 J3 TR 12:10-1:00  
 MEETS: AUG 26-DEC 20

4623150 K1 TR 1:10-2:00  
 MEETS: AUG 26-DEC 20

4623155 K2 TR 1:10-2:00  
 MEETS: AUG 26-DEC 20

4623160 K3 TR 1:10-2:00  
 MEETS: AUG 26-DEC 20

4623165 L1 TR 3:10-4:00  
 MEETS: AUG 26-DEC 20

4623170 L2 TR 3:10-4:00  
 MEETS: AUG 26-DEC 20

4623175 L3 TR 3:10-4:00  
 MEETS: AUG 26-DEC 20

4623180 M1 MW 4:10-5:00  
 MEETS: AUG 26-DEC 20

4623185 M2 MW 4:10-5:00  
 MEETS: AUG 26-DEC 20

4623190 M3 MW 4:10-5:00  
 MEETS: AUG 26-DEC 20

4623195 N1 MW 5:10-6:00PM  
 MEETS: AUG 26-DEC 20

HONORS

(CONTINUED)

SPL PRB HONORS RESR HON 290U VAR. CREDITS  
 Prereq: MEMBERSHIP IN AND PERMISSION OF THE  
 UNIVERSITY HONORS PROGRAM  
 Note: COURSE RESTRICTED TO MEMBERS OF THE UNIVERSITY  
 HONORS PROGRAM  
 Satisfactory-Fail Only.  
 4044005 1 ARRANGED  
 MEETS: AUG 26-DEC 20

HONOR LEADERSHP SEM HON 302 2 CREDITS  
 Prereq: SELECTN AS LEADER OF FRESHMAN HONORS SEM  
 Note: 2-PART COURSE. STUDENTS NOT REGISTERED FOR BOTH  
 PARTS OF THE COURSE WILL BE DROPPED FROM THE COURSE  
 DUE TO INCOMPLETE REGISTRATION. RESTRICTED TO MEMBERS  
 OF THE UNIVERSITY HONORS PROGRAM.  
 Satisfactory-Fail Only.  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

UNIV HONORS SEMINAR HON 321 1- 2 CREDITS  
 Prereq: MEMBERSHIP IN THE HONORS PROGRAM  
 Note: CONTACT 2130 JJSCHKE BLDG FOR REFERENCE NUMBERS.  
 COURSE RESTRICTED TO MEMBERS OF THE UNIVERSITY  
 HONORS PROGRAM.  
 Satisfactory-Fail Only.  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

UNIV HONORS SEMINAR HON 323 1- 2 CREDITS  
 Prereq: MEMBERSHIP IN UNIVERSITY HONORS PROGRAM  
 Note: CONTACT 2130 JJSCHKE BLDG FOR REFERENCE NUMBERS.  
 COURSE RESTRICTED TO MEMBERS OF THE UNIVERSITY  
 HONORS PROGRAM.  
 Satisfactory-Fail Only.  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

INDEP STUDY HONORS HON 490 VAR. CREDITS  
 Prereq: MEMBERSHIP IN THE UNIV HONORS PROGRAM,  
 PERMISSION OF FACULTY DIRECTOR OF UNIV HONORS PROGRAM  
 Note: FOR MEMBERS OF THE UNIVERSITY HONORS PROGRAM ONLY  
 Department permission required.  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

HORTICULTURE

PRO&EDUCATNL DEVELP HORT 110 1 CREDIT  
 4291005 1 R 2:10-3:00  
 MEETS: AUG 26-DEC 20  
 Note: SEC 1 RESTRICTED TO HORT MAJORS ONLY

4291010 2 ARRANGED  
 MEETS: AUG 26-DEC 20  
 Note: SEC 2 IS FOR HORT TRANSFER STUDENTS ONLY

HOME HORTICULTURE HORT 121 3 CREDITS  
 Note: HORT JUNIORS & SENIORS WHO WISH TO REGISTER  
 FOR THIS CLASS MUST OBTAIN ADVANCE APPROVAL FROM  
 THE INSTRUCTOR

4292005 1 MW 3:10-4:00  
 M 9:00-9:50  
 MEETS: AUG 26-DEC 20

4292010 2 MW 3:10-4:00  
 M 11:00-11:50  
 MEETS: AUG 26-DEC 20

4292015 3 MW 3:10-4:00  
 M 1:10-2:00  
 MEETS: AUG 26-DEC 20

PRIN HORTICULTR SCI HORT 221 3 CREDITS  
 Prereq: CREDIT OR ENROLLMENT IN BIOL 211

4296005 1 MW 10:00-10:50  
 T 2:10-4:00  
 MEETS: AUG 26-DEC 20

4296010 2 MW 10:00-10:50  
 R 2:10-4:00  
 MEETS: AUG 26-DEC 20

LANDSCP TREES,SHRUB HORT 240 3 CREDITS  
 6183005 1 MW 1:10-2:00  
 W 2:10-5:00  
 MEETS: AUG 26-DEC 20

LANDSCAPE GRAPHICS HORT 281 2 CREDITS  
 9233005 1 WF 8:00-9:50  
 MEETS: AUG 26-DEC 20

9233010 2 WF 1:10-3:00  
 MEETS: AUG 26-DEC 20

PRO DEV:TURF COMPET HORT 291A 1 CREDIT  
 Prereq: PERMISSION OF INSTRUCTOR  
 Note: ONLY ONE CREDIT OF HORT 291A, 291B OR 291C  
 MAY BE APPLIED TOWARD HORTICULTURE CREDITS FOR  
 GRADUATION. NO MORE THAN FOUR CREDITS OF ANY  
 COMBINATION OF HORT 291A, 291B OR 291C MAY BE APPLIED  
 TOWARD CREDITS FOR GRADUATION.  
 Satisfactory-Fail Only.

8699005 1 T 12:40-1:30  
 MEETS: AUG 26-DEC 20

HORTICULTURE (CONTINUED)

PRO DEV:CROSS-CMMOD HORT 291C 1 CREDIT  
 Prereq: PERMISSION OF INSTRUCTOR  
 Note: ONLY ONE CREDIT OF HORT 291A, 291B OR 291C  
 MAY BE APPLIED TOWARD HORTICULTURE CREDITS FOR  
 GRADUATION. NO MORE THAN FOUR CREDITS OF ANY  
 COMBINATION OF HORT 291A, 291B OR 291C MAY BE APPLIED  
 TOWARD CREDITS FOR GRADUATION.  
 Satisfactory-Fail Only.  
 8700001 1 ARRANGED  
 MEETS: AUG 26-DEC 20

HORTICUL PHYSIOLOGY HORT 321 3 CREDITS  
 Prereq: HORT 221 OR BIOL 211  
 6421005 1 TR 8:00-9:20  
 MEETS: AUG 26-DEC 20

HERBA ORNMTL PLANTS HORT 330 3 CREDITS  
 Prereq: HORT 221 OR BY PERMISSION OF INSTRUCTOR  
 4436005 1 TR 11:00-11:50  
 T 2:10-4:00  
 MEETS: AUG 26-DEC 20  
 4436010 2 TR 11:00-11:50  
 R 2:10-4:00  
 MEETS: AUG 26-DEC 20

HYDROPONC FOOD CROP HORT 331 3 CREDITS  
 Prereq: HORT 221 OR AGRON 181 OR 3 CREDITS  
 IN BIOLOGICAL SCIENCES  
 5344005 1 MW 1:10-2:00  
 M 2:10-4:00  
 MEETS: AUG 26-DEC 20  
 5344010 2 MW 1:10-2:00  
 W 2:10-4:00  
 MEETS: AUG 26-DEC 20  
 5344015 3 MW 1:10-2:00  
 F 12:10-2:00  
 MEETS: AUG 26-DEC 20

SEED SCIENCE&TECHNL HORT 338 3 CREDITS  
 Prereq: AGRON 181 (OR EQUIVALENT) OR HORT 221;  
 BIOL 212  
 7262005 1 TR 9:30-10:45  
 R 2:10-5:00  
 MEETS: AUG 26-DEC 20  
 Note: SEC 1 RESTRICTED TO SEEDS MAJORS ONLY  
 7262010 2 TR 9:30-10:45  
 R 2:10-5:00  
 MEETS: AUG 26-DEC 20

LANDSCP PLANT ESTAB HORT 342 3 CREDITS  
 Prereq: HORT 240 OR L A 221 OR L A 222  
 4308005 1 TR 9:30-10:20  
 T 1:10-4:00  
 MEETS: AUG 26-DEC 20

TURFGRASS ESTAB&MGT HORT 351 3 CREDITS  
 Prereq: HORT 221 OR AGRON 181 (OR EQUIVALENT)  
 OR BIOL 211  
 4309005 1 MWF 9:00-9:50  
 MEETS: AUG 26-DEC 20

TURFGR ESTB&MGT LAB HORT 351L 1 CREDIT  
 Prereq: CREDIT OR ENROLLMENT IN HORT 351  
 4310005 1 M 2:10-5:00  
 MEETS: AUG 26-DEC 20

SOILS &PLANT GROWTH HORT 354 3 CREDITS  
 Prereq: AGRON 182 OR EQUIVALENT; BIOL 101  
 8494015 1 MWF 8:00-8:50  
 MEETS: AUG 26-DEC 20

SOIL&PLANT GRWTH LB HORT 354L 1 CREDIT  
 Prereq: AGRON OR HORT MAJOR WITH CREDIT OR  
 ENROLLMENT IN AGRON 354  
 8496005 1 T 9:00-11:50  
 MEETS: AUG 26-DEC 20  
 8496010 2 R 11:00-2:00  
 MEETS: AUG 26-DEC 20  
 8496015 3 R 3:10-6:00PM  
 MEETS: AUG 26-DEC 20

FUND FLD PRD FD CRP HORT 376 3 CREDITS  
 Prereq: HORT 221 OR AGRON 181  
 8283005 1 TR 12:40-2:00  
 MEETS: AUG 26-DEC 20

HORT MGT EXPERIENCE HORT 391 1 CREDIT  
 Prereq: HORT 221 OR PERMISSION OF INSTRUCTOR  
 Note: NO MORE THAN 2 CREDITS OF HORT 391 MAY BE APPLIED  
 TOWARD THE HORTICULTURAL SCIENCES COURSE REQUIREMNTS.  
 2 ADDITIONAL CREDITS OF HORT 391 MAY BE APPLIED  
 TOWARD THE 128 CREDITS REQUIRED FOR GRADUATION.  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

COOPERATIVE EDUCATN HORT 398 R CREDIT  
 Prereq: PERMISSION OF DEPARTMENT RESOURCE AND  
 CAREER CENTER COORDINATOR  
 Satisfactory-Fail Only.  
 3652005 1 ARRANGED  
 MEETS: AUG 26-DEC 20

HORTICULTURE (CONTINUED)

INTRO PLANT BREEDNG HORT 421 3 CREDITS  
 Prereq: GEN 320 OR BIOL 313  
 6158005 1 TR 8:00-9:15  
 MEETS: AUG 26-DEC 20

FLORICULTURE CROP HORT 434 3 CREDITS  
 Prereq: HORT 332  
 6657005 1 MW 9:00-9:50  
 F 9:00-11:50  
 MEETS: AUG 26-DEC 20

HORT MGMT &ADMINIST HORT 445 2 CREDITS  
 Prereq: HORT 221 AND JUNIOR OR SENIOR  
 CLASSIFICATION  
 4053005 1 MW 8:00-8:50  
 MEETS: AUG 26-DEC 20

TURF&LANDSCP IRRIGTN HORT 454 3 CREDITS  
 Prereq: HORT 221, HORT 351 OR 342, MATH 140 OR  
 150  
 4852005 1 T 3:40-6:30PM  
 MEETS: AUG 26-DEC 20

URBAN FORESTRY HORT 475 3 CREDITS  
 Prereq: JR OR SR CLASSIFICATION, 3 CR IN BIOLOGY  
 5130005 1 TR 10:00-10:50  
 R 3:10-6:00PM  
 MEETS: AUG 26-DEC 20

POSTHARVEST TECHNOL HORT 476 3 CREDITS  
 Prereq: HORT 221  
 0049005 1 MW 12:10-1:00  
 M 2:10-5:00  
 MEETS: AUG 26-DEC 20

ADV GARDEN COMPSITN HORT 481 2 CREDITS  
 Prereq: HORT 240 AND HORT 330 AND HORT 380 AND  
 HORT 381  
 Note: RESTRICTED TO HORT MAJORS - FOR HORT DESIGN  
 OPTION MAJORS ONLY. OTHERS BY PERMISSION OF  
 INSTRUCTOR.  
 7236005 1 TR 11:00-12:50  
 MEETS: AUG 26-DEC 20

IND ST GREENHS CROP HORT 490A VAR. CREDITS  
 Prereq: JUNIOR OR SENIOR CLASSIFICATION IN  
 HORTICULTURE OR PERMISSION OF INSTRUCTOR  
 Note: NO MORE THAN 4 CREDITS OF HORT 490 AND AN  
 ADDITIONAL 2 CREDITS OF 490 FROM OUTSIDE HORTICULTURE  
 MAY BE USED TOWARD THE TOTAL OF 129 CREDITS REQUIRED  
 FOR GRADUATION  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

IND STDY NURS CROPS HORT 490B VAR. CREDITS  
 Prereq: JUNIOR OR SENIOR CLASSIFICATION IN  
 HORTICULTURE OR PERMISSION OF INSTRUCTOR  
 Note: NO MORE THAN 4 CREDITS OF HORT 490 AND AN  
 ADDITIONAL 2 CREDITS OF 490 FROM OUTSIDE HORTICULTURE  
 MAY BE USED TOWARD THE TOTAL OF 129 CREDITS REQUIRED  
 FOR GRADUATION  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

IND STDY TURFGRASS HORT 490C VAR. CREDITS  
 Prereq: JUNIOR OR SENIOR CLASSIFICATION IN  
 HORTICULTURE OR PERMISSION OF INSTRUCTOR  
 Note: NO MORE THAN 4 CREDITS OF HORT 490 AND AN  
 ADDITIONAL 2 CREDITS OF 490 FROM OUTSIDE HORTICULTURE  
 MAY BE USED TOWARD THE TOTAL OF 129 CREDITS REQUIRED  
 FOR GRADUATION  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

IND STU FRUIT CROPS HORT 490D VAR. CREDITS  
 Prereq: JUNIOR OR SENIOR CLASSIFICATION IN  
 HORTICULTURE OR PERMISSION OF INSTRUCTOR  
 Note: NO MORE THAN 4 CREDITS OF HORT 490 AND AN  
 ADDITIONAL 2 CREDITS OF 490 FROM OUTSIDE HORTICULTURE  
 MAY BE USED TOWARD THE TOTAL OF 129 CREDITS REQUIRED  
 FOR GRADUATION  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

IND STUDY VEG CROPS HORT 490E VAR. CREDITS  
 Prereq: JUNIOR OR SENIOR CLASSIFICATION IN  
 HORTICULTURE OR PERMISSION OF INSTRUCTOR  
 Note: NO MORE THAN 4 CREDITS OF HORT 490 AND AN  
 ADDITIONAL 2 CREDITS OF 490 FROM OUTSIDE HORTICULTURE  
 MAY BE USED TOWARD THE TOTAL OF 129 CREDITS REQUIRED  
 FOR GRADUATION  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

IND STU CROSS-COMMO HORT 490F VAR. CREDITS  
 Prereq: JUNIOR OR SENIOR CLASSIFICATION IN  
 HORTICULTURE OR PERMISSION OF INSTRUCTOR  
 Note: NO MORE THAN 4 CREDITS OF HORT 490 AND AN  
 ADDITIONAL 2 CREDITS OF 490 FROM OUTSIDE HORTICULTURE  
 MAY BE USED TOWARD THE TOTAL OF 129 CREDITS REQUIRED  
 FOR GRADUATION  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

HORTICULTURE

(CONTINUED)

HOSPITALITY MANAGEMENT

IND ST LANDSCP HORT HORT 490G VAR. CREDITS  
 Prereq: JUNIOR OR SENIOR CLASSIFICATION IN HORTICULTURE OR PERMISSION OF INSTRUCTOR  
 Note: NO MORE THAN 4 CREDITS OF HORT 490 AND AN ADDITIONAL 2 CREDITS OF 490 FROM OUTSIDE HORTICULTURE MAY BE USED TOWARD THE TOTAL OF 129 CREDITS REQUIRED FOR GRADUATION  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

INDEP STUDY HONORS HORT 490H VAR. CREDITS  
 Prereq: JUNIOR OR SENIOR CLASSIFICATION IN HORTICULTURE OR PERMISSION OF INSTRUCTOR  
 Note: NO MORE THAN 4 CREDITS OF HORT 490 AND AN ADDITIONAL 2 CREDITS OF 490 FROM OUTSIDE HORTICULTURE MAY BE USED TOWARD THE TOTAL OF 129 CREDITS REQUIRED FOR GRADUATION. COURSE RESTRICTED TO UNIVERSITY HONORS STUDENTS.  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

IND STDY ENTREPRENR HORT 490J VAR. CREDITS  
 Prereq: JUNIOR OR SENIOR CLASSIFICATION IN HORTICULTURE OR PERMISSION OF INSTRUCTOR  
 Note: NO MORE THAN 4 CREDITS OF HORT 490 AND AN ADDITIONAL 2 CREDITS OF 490 FROM OUTSIDE HORTICULTURE MAY BE USED TOWARD THE TOTAL OF 129 CREDITS REQUIRED FOR GRADUATION  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

SEED SCI INTERNSHIP HORT 491 1-2 CREDITS  
 Prereq: AGRON 338, ADVANCED APPROVAL AND PARTICIPATION OF EMPLOYER AND INSTRUCTOR  
 Note: Instructor permission required.  
 9370005 1 ARRANGED  
 MEETS: AUG 26-DEC 20

SERV LEARN DOMESTIC HORT 494B VAR. CREDITS  
 Prereq: PERMISSION OF INSTRUCTOR  
 Note: NO MORE THAN 4 CREDITS OF HORT 494 MAY BE APPLIED TOWARD THE HORTICULTURE CREDITS REQUIRED FOR GRADUATION  
 3163005 1 ARRANGED  
 MEETS: AUG 26-DEC 20

RESEARCH ORIENTATN HORT 530 2 CREDITS  
 2306005 1 T 3:10-5:00  
 MEETS: AUG 26-DEC 20

INTR PROTEOMCS TCNQ HORT 542E 1 CREDIT  
 Satisfactory-Fail Only.  
 3168005 1 TR 1:10-2:00  
 TR 2:10-4:00  
 MEETS: AUG 26-DEC 20

POSTHARVEST TECHNOL HORT 576 3 CREDITS  
 Prereq: HORT 221  
 0050005 1 MW 12:10-1:00  
 M 2:10-5:00  
 MEETS: AUG 26-DEC 20

SPECIAL TOPICS HORT 590 VAR. CREDITS  
 Prereq: A MAJOR OR MINOR IN HORTICULTURE  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

CREATIVE COMPONENT HORT 599 VAR. CREDITS  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

GRADUATE SEMINAR HORT 610 1 CREDIT  
 Satisfactory-Fail Only.  
 4346005 1 M 4:10-5:00  
 MEETS: AUG 26-DEC 20

RESEARCH SEMINAR HORT 696 1 CREDIT  
 Satisfactory-Fail Only.  
 8833005 1 W 4:10-5:30  
 MEETS: AUG 26-DEC 20

RSRCH GREENHSE CROP HORT 699A VAR. CREDITS  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

RSRCH NURSERY CROPS HORT 699B VAR. CREDITS  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

RESEARCH TURFGRASS HORT 699C VAR. CREDITS  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

RESRCH FRUIT CROPS HORT 699D VAR. CREDITS  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

RESEARCH VEG CROPS HORT 699E VAR. CREDITS  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

RSRCH CROSS-COMMODT HORT 699F VAR. CREDITS  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

RSRCH LANDSCAP HORT HORT 699G VAR. CREDITS  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

INTRO HOSP TLY INDUS HSP M 101 3 CREDITS  
 7306005 1A MWF 3:10-4:00  
 MEETS: AUG 26-DEC 20  
 Note: SEC 1A RESTRICTED TO HSP M, EVENT MAJORS ONLY  
 Course delivery is WWW

7306010 1B MWF 3:10-4:00  
 MEETS: AUG 26-DEC 20  
 Note: SEC 1B RESTRICTED TO MAJORS OTHER THAN HSP M, EVENT  
 Course delivery is WWW

FOOD SAFETY CERT HSP M 133 1 CREDIT  
 0086005 1 TR 10:00-10:50  
 MEETS: AUG 26-OCT 18  
 Note: SEC 1 RESTRICTED TO CUFSA, CUFSH, H SPM MAJORS ONLY

0086010 2 ARRANGED  
 MEETS: OCT 21-DEC 20  
 Note: Course delivery is WWW

CASINO MANAGEMENT I HSP M 201 3 CREDITS  
 3973005 1A ARRANGED  
 MEETS: AUG 26-DEC 20  
 Note: SEC 1A RESTRICTED TO HSP M MAJORS ONLY  
 Course delivery is WWW

3973010 1B ARRANGED  
 MEETS: AUG 26-DEC 20  
 Note: SEC 1B RESTRICTED TO MAJORS OTHER THAN HSP M  
 Course delivery is WWW

HOSP SANITAT&SAFETY HSP M 233 3 CREDITS  
 Note: CREDIT FOR EITHER HSP M 392, OR HSP M 233 AND HSP M 333 MAY BE APPLIED TOWARD GRADUATION  
 4435005 1A ARRANGED  
 MEETS: AUG 26-DEC 20  
 Note: SEC 1A RESTRICTED TO CUFSA, CUFSH, EVENT, HSP M MAJORS ONLY  
 Course delivery is WWW

4435010 1B ARRANGED  
 MEETS: AUG 26-DEC 20  
 Note: SEC 1B FOR MAJORS OTHER THAN CUFSA, CUFSH, EVENT, HSP M  
 Course delivery is WWW

GLOBAL TOURISM MGT HSP M 260 3 CREDITS  
 Note: Meets international perspectives reqmt  
 6738005 1A ARRANGED  
 MEETS: AUG 26-DEC 20  
 Note: SEC 1A RESTRICTED TO EVENT, HSP M MAJORS  
 Course delivery is WWW

6738010 1B ARRANGED  
 MEETS: AUG 26-DEC 20  
 Note: SEC 1B RESTRICTED TO MAJORS OTHER THAN EVENT, HSP M  
 Course delivery is WWW

CONTRM PRARY CLUB MGT HSP M 289 3 CREDITS  
 Prereq: HSP M 101  
 9247005 1A MWF 3:10-4:00  
 MEETS: AUG 26-DEC 20  
 Note: SEC 1A RESTRICTED TO HSP M, HRI MAJORS ONLY

9247010 1B MWF 3:10-4:00  
 MEETS: AUG 26-DEC 20  
 Note: SEC 1B RESTRICTED TO EVENT MAJORS ONLY

HSPTLTY REVENUE MGT HSP M 301X 3 CREDITS  
 0156005 1 ARRANGED  
 MEETS: AUG 26-DEC 20

HSPTLTY COST CONTRL HSP M 333 3 CREDITS  
 Prereq: CREDIT OR ENR IN HSP M 380, HSP M 380L; 3 CREDITS IN MATH AND HSP M 230  
 Note: CREDIT FOR EITHER HSP M 392, OR HSP M 233 AND HSP M 333 MAY BE APPLIED TOWARD GRADUATION  
 5747005 1A TR 2:10-3:25  
 MEETS: AUG 26-DEC 20  
 Note: SEC 1A RESTRICTED TO HSP M MAJORS ONLY

5747010 1B TR 2:10-3:25  
 MEETS: AUG 26-DEC 20  
 Note: SEC 1B RESTRICTED TO CUFSA, CUFSH, DIETH, EVENT MAJORS ONLY

HONORS HSP COST CTL HSP M 333H 3 CREDITS  
 Prereq: CREDIT OR ENR IN HSP M 380, HSP M 380L; 3 CREDITS IN MATH; MEMBERSHIP IN THE UNIVERSITY HONORS PROGRAM  
 8225005 1 TR 2:10-3:25  
 MEETS: AUG 26-DEC 20

LODGING OPER MGT I HSP M 352 3 CREDITS  
 Prereq: CREDIT OR ENROLLMENT IN HSP M 101  
 9578005 1A MWF 1:10-2:00  
 MEETS: AUG 26-DEC 20  
 Note: SEC 1A RESTRICTED TO EVENT, HSP M MAJORS

9578010 1B MWF 1:10-2:00  
 MEETS: AUG 26-DEC 20  
 Note: SEC 1B RESTRICTED TO MAJORS OTHER THAN EVENT, HSP M

## HOSPITALITY MANAGEMENT (CONTINUED)

FOOD PRODUCTION MGT HSP M 380 3 CREDITS  
Prereq: HSP M 233 OR 2 CREDITS IN MICRO;  
FS HN 111 OR FS HN 214; FS HN 115 OR FS HN 215;  
JUNIOR CLASSIFICATION; ENROLLMENT IN HSP M 380L  
Note: Instructor permission required.  
4358005 1 TR 8:00-9:20  
MEETS: AUG 26-DEC 20

FOOD PROD MGT EXPER HSP M 380L 3 CREDITS  
Prereq: HSP M 233 OR 2 CREDITS IN MICRO;  
FS HN 111 OR FS HN 214; FS HN 115 OR FS HN 215;  
JUNIOR CLASSIFICATION; ENROLLMENT IN HSP M 380  
Note: Instructor permission required.  
4359005 1 TR 10:00-1:00  
ARRANGED  
MEETS: AUG 26-DEC 20  
4359010 2 WF 10:00-1:00  
ARRANGED  
MEETS: AUG 26-DEC 20

INTRO WINE, BEER, SPI HSP M 383 2 CREDITS  
Prereq: MUST BE AT LEAST 21 YEARS OLD  
4108005 1A R 3:40-5:30  
MEETS: AUG 26-DEC 20  
Note: SEC 1A RESTRICTED TO HSP M, CUFSA,  
EVENT, CUFSH MAJORS ONLY  
4108010 1B R 3:40-5:30  
MEETS: AUG 26-DEC 20  
Note: SEC 1B RESTRICTED TO MAJORS OTHER THAN  
HSP M, CUFSA, CUFSH, EVENT  
4108015 2A T 3:40-5:30  
MEETS: AUG 26-DEC 20  
Note: SEC 2A RESTRICTED TO HSP M, CUFSA,  
EVENT, CUFSH MAJORS ONLY  
4108020 2B T 3:40-5:30  
MEETS: AUG 26-DEC 20  
Note: SEC 2B RESTRICTED TO MAJORS OTHER THAN  
HSP M, CUFSA, CUFSH, EVENT

INTR WINE, SPRTS LAB HSP M 383L 1 CREDIT  
Prereq: CREDIT OR CONCURRENT ENROLLMENT IN  
HSP M 383. MUST BE AT LEAST 21 YEARS OLD.  
8018005 1 F 1:10-3:00  
MEETS: AUG 26-DEC 20

HSP INDUS BEER&BREW HSP M 385X 1 CREDIT  
Prereq: HSP M 383 OR CONCURRENT ENROLLMENT. MUST  
BE 21 YEARS OLD.  
Note: SEC 1A RESTRICTED TO ADVRT, JL MC, P R  
MAJORS ONLY. SEC 1B FOR MAJOR OTHER THAN  
ADVRT, JL MC, P R  
0155005 1A W 4:40-6:30PM  
MEETS: OCT 21-DEC 20  
0155010 1B W 4:40-6:30PM  
MEETS: OCT 21-DEC 20

FOODSERVC SYS MGT I HSP M 391 3 CREDITS  
Prereq: CR OR ENROLLMENT IN HSP M 380, HSP M 380L  
Note: CREDIT IN HSP M 391 MAY NOT BE APPLIED TOWARD  
THE DEGREE REQUIREMENTS FOR THE MAJOR IN HOSPITALITY  
MANAGEMENT. CREDIT FOR EITHER HSP M 391, OR AESHM 287  
AND AESHM 438, BUT NOT 391 IN COMBINATION WITH EITHER  
287 OR 438, MAY BE APPLIED TOWARD GRADUATION.  
7618005 1 TR 2:10-3:30  
MEETS: AUG 26-DEC 20

ADV H HUM RESRC MGT HSP M 439 3 CREDITS  
Prereq: AESHM 238  
4366005 1 MWF 10:00-10:50  
MEETS: AUG 26-DEC 20

HONORS HSPY H R MGT HSP M 439H 3 CREDITS  
Prereq: AESHM 438; MEMBERSHIP IN THE  
UNIVERSITY HONORS PROGRAM  
8257005 1 MWF 10:00-10:50  
MEETS: AUG 26-DEC 20

INTERNSHIP HOSP TLTY HSP M 470 3- 6 CREDITS  
Prereq: AESHM 270, AESHM 211, 9 CREDITS IN HSP M,  
MINIMUM 2.0 GPA; PERMISSION BY APPLICATION; JUNIOR  
OR SENIOR CLASSIFICATION; EMPLOYER AND LOCATION MUST  
BE DIFFERENT THAN THOSE USED FOR AESHM 170 AND 270.  
Note: NO MORE THAN 12 CREDITS FROM AESHM 170, AESHM 270  
AND AESHM 470 MAY BE APPLIED TOWARD GRADUATION  
\*\*\*\*\*  
SEE DEPT FOR REFERENCE NUMBERS

FINE DINING EVT MGT HSP M 487 3 CREDITS  
Note: Meets international perspectives reqmt  
Instructor permission required 1st week.  
1025005 1 W 2:10-5:00  
W 5:10-9:00PM  
MEETS: AUG 26-DEC 20

IND ST HOSP LITY MGT HSP M 490B VAR. CREDITS  
Prereq: PROGRAM APPROVAL  
Note: NO MORE THAN 9 TOTAL CREDITS OF HSP M 290  
AND HSP M 490 MAY BE APPLIED TOWARD GRADUATION  
Instructor permission required 1st week.  
\*\*\*\*\*  
SEE DEPT FOR REFERENCE NUMBERS

## HOSPITALITY MANAGEMENT (CONTINUED)

IND ST LODGING OPER HSP M 490D VAR. CREDITS  
Prereq: PROGRAM APPROVAL  
Note: NO MORE THAN 9 TOTAL CREDITS OF HSP M 290  
AND HSP M 490 MAY BE APPLIED TOWARD GRADUATION  
Instructor permission required 1st week.  
\*\*\*\*\*  
SEE DEPT FOR REFERENCE NUMBERS

IND STU FOODSRVC OP HSP M 490E VAR. CREDITS  
Prereq: PROGRAM APPROVAL  
Note: NO MORE THAN 9 TOTAL CREDITS OF HSP M 290  
AND HSP M 490 MAY BE APPLIED TOWARD GRADUATION  
Instructor permission required 1st week.  
\*\*\*\*\*  
SEE DEPT FOR REFERENCE NUMBERS

INDEP STUDY HONORS HSP M 490H VAR. CREDITS  
Prereq: PROGRAM APPROVAL, FULL MEMBERSHIP IN  
HONORS PROGRAM  
Note: COURSE RESTRICTED TO STUDENTS IN THE UNIVERSITY  
HONORS PROGRAM ONLY. NO MORE THAN 9 TOTAL CREDITS  
OF HSP M 290 AND HSP M 490 MAY BE APPLIED TOWARD  
GRADUATION.  
Instructor permission required 1st week.  
\*\*\*\*\*  
SEE DEPT FOR REFERENCE NUMBERS

HOSPLTY MGT SCHOLAR HSP M 505 1 CREDIT  
3423005 1 M 3:10-4:00  
MEETS: AUG 26-DEC 20

STRATEGIC MARKETING HSP M 540 3 CREDITS  
Prereq: AESHM 340  
2748005 1 TR 3:40-5:00  
MEETS: AUG 26-DEC 20

FINE DINING EVT MGT HSP M 587 3 CREDITS  
Prereq: HSP M 380, HSP M 380L  
Note: THE 5-9 P.M. TIME ONLY MEETS 6 TIMES PER SEMESTER  
Meets international perspectives reqmt  
Instructor permission required.  
4391005 1 W 2:10-5:00  
W 5:10-9:00PM  
MEETS: AUG 26-DEC 20

SP TOP HOSP TLTY MGT HSP M 590B VAR. CREDITS  
Prereq: 9 CR IN HSP M AT 400 LEVEL OR ABOVE AND  
SUBMISSION OF APPLICATION TO DEPARTMENT  
Note: Instructor permission required 1st week.  
\*\*\*\*\*  
SEE DEPT FOR REFERENCE NUMBERS

SP TOP LODGING OPER HSP M 590D VAR. CREDITS  
Prereq: 9 CR IN HSP M AT 400 LEVEL OR ABOVE AND  
SUBMISSION OF APPLICATION TO DEPARTMENT  
Note: Instructor permission required 1st week.  
\*\*\*\*\*  
SEE DEPT FOR REFERENCE NUMBERS

SPL TOP CMMRC FDSRV HSP M 590E VAR. CREDITS  
Prereq: 9 CR IN HSP M AT 400 LEVEL OR ABOVE AND  
SUBMISSION OF APPLICATION TO DEPARTMENT  
Note: Instructor permission required 1st week.  
\*\*\*\*\*  
SEE DEPT FOR REFERENCE NUMBERS

CREATIVE COMPONENT HSP M 599 VAR. CREDITS  
Note: Instructor permission required 1st week.  
\*\*\*\*\*  
SEE DEPT FOR REFERENCE NUMBERS

ADMINISTRA PROBLEMS HSP M 608 1- 4 CREDITS  
Prereq: PERMISSION OF INSTRUCTOR; ENROLLMENT  
IN PH.D. PROGRAM  
Note: COURSE ONLY OFFERED FOR 1-2 CREDITS FALL 2019  
Instructor permission required 1st week.  
4399005 1 ARRANGED  
MEETS: AUG 26-DEC 20  
Note: Instructor permission required.

ADV HOSP FINANC MGT HSP M 633 3 CREDITS  
Prereq: HSP M 433; ENROLLMENT IN PH.D. PROGRAM  
4397005 1 ARRANGED  
MEETS: AUG 26-DEC 20  
Note: Course delivery is WWW

THY&RSRCH SEM:EVENT HSP M 634 3 CREDITS  
4704005 1 ARRANGED  
MEETS: AUG 26-DEC 20

RES SMNR TOURSM MGT HSP M 660 3 CREDITS  
Prereq: ENROLLMENT IN PH.D. PROGRAM  
4014005 1 ARRANGED  
MEETS: AUG 26-DEC 20

ADV TOP HSP TLTY MGT HSP M 690B VAR. CREDITS  
Prereq: ENROLLMENT IN PH.D. PROGRAM; SUBMISSION  
OF APPLICATION TO DEPARTMENT  
\*\*\*\*\*  
SEE DEPT FOR REFERENCE NUMBERS

ADV TOPICS TOURISM HSP M 690C VAR. CREDITS  
Prereq: ENROLLMENT IN PH.D. PROGRAM; SUBMISSION  
OF APPLICATION TO DEPARTMENT  
\*\*\*\*\*  
SEE DEPT FOR REFERENCE NUMBERS

## HOSPITALITY MANAGEMENT (CONTINUED)

ADV TOPIC LODGING HSP M 690D VAR. CREDITS  
Prereq: ENROLLMENT IN PH.D. PROGRAM; SUBMISSION  
OF APPLICATION TO DEPARTMENT  
\*\*\*\*\*  
SEE DEPT FOR REFERENCE NUMBERS

RESEARCH HSP M 699 VAR. CREDITS  
Prereq: ENROLLMENT IN PH.D. PROGRAM  
Note: Instructor permission required 1st week.  
\*\*\*\*\*  
SEE DEPT FOR REFERENCE NUMBERS

**HUMAN COMPUTER INTERACTION**

COGNI PSY HUMN&CPTR HCI 521 3 CREDITS  
Prereq: GRADUATE CLASSIFICATION OR INSTRUCTOR  
PERMISSION

1875005 1 TR 9:30-10:45  
MEETS: AUG 26-DEC 20

OPTMZ MTHD CPLX DSN HCI 525 3 CREDITS

Prereq: ENGR 160, MATH 265  
6936005 1 TR 2:10-3:25  
MEETS: AUG 26-DEC 20

VIRTUAL ENVIRON&APP HCI 580 3 CREDITS

0186005 1 MW 1:10-2:25  
MEETS: AUG 26-DEC 20

SPECIAL TOPICS HCI 590 VAR. CREDITS

\*\*\*\*\*  
SEE DEPT FOR REFERENCE NUMBERS

CREATIVE COMPONENT HCI 599 3 CREDITS

Satisfactory-Fail Only.  
\*\*\*\*\*  
SEE DEPT FOR REFERENCE NUMBERS

HCI:ORGZ&SOC IMPLIC HCI 655 3 CREDITS

Prereq: GRADUATE CLASSIFICATION  
6969005 1 M 6:00-9:20PM  
MEETS: AUG 26-DEC 20

COGNITIVE ENGINEERG HCI 681 3 CREDITS

Prereq: I E 577 OR PSYCH 516 OR HCI 521 OR  
PSYCH 521 OR EQUIVALENT OR INSTRUCTOR PERMISSION  
8194005 1 TR 9:30-10:45  
MEETS: AUG 26-DEC 20

HCI INTERNSHIP HCI 697 R CREDIT

Prereq: GRAD CLASSIFICATION, PERMISSION OF  
DIRECTOR OF GRADUATE EDUCATION  
\*\*\*\*\*  
SEE DEPT FOR REFERENCE NUMBERS

RESEARCH HCI 699 VAR. CREDITS

Note: RESTRICTED TO BUSINESS COLLEGE GRADUATE STUDENTS  
Satisfactory-Fail Only.  
\*\*\*\*\*  
SEE DEPT FOR REFERENCE NUMBERS

**HUMAN DEVELOPMENT & FAMILY STUDIES**

INDV&FAM DEVEL&HLTH HD FS 102 3 CREDITS

3491005 1 TR 9:30-10:45  
MEETS: AUG 26-DEC 20  
Syllabus: <http://www.hs.iastate.edu/online/>  
3491010 2 TR 9:30-10:45  
MEETS: AUG 26-DEC 20  
Syllabus: <http://www.hs.iastate.edu/online/>  
3491015 3 MWF 2:10-3:00  
MEETS: AUG 26-DEC 20

LRN CMUNTY ORIENTAT HD FS 110 1 CREDIT

Prereq: MEMBERSHIP IN HD FS LEARNING COMMUNITY  
Note: COURSE RESTRICTED TO CH FS, ECE, FCEDS, F C P  
FRESHMEN  
5975005 1 MW 11:00-11:50  
MEETS: AUG 26-OCT 18

NEW TRANSFR STU SMNR HD FS 111 1 CREDIT

Prereq: CLASSIFICATION AS A CH FS, FCEDS OR  
F C P MAJOR  
Note: COURSE RESTRICTED TO CH FS, F C P, FCEDS MAJORS  
Satisfactory-Fail Only.  
7003005 1 M 2:10-3:00  
MEETS: AUG 26-DEC 20

ECE TEACHER ORIENTN HD FS 208 1 CREDIT

Prereq: CLASSIFICATION AS AN ECE MAJOR  
Satisfactory-Fail Only.  
4389005 1 W 1:10-2:00  
MEETS: AUG 26-DEC 20

PRO ORIENT&SRVC LRN HD FS 218 2 CREDITS

Prereq: CREDIT OR CONCURRENT ENROLLMENT IN  
HD FS 102. CLASSIFICATION AS A CH FS MAJOR.  
Note: COURSE RESTRICTED TO CH FS, ECE, FCEDS, F C P,  
HD FS MAJORS ONLY  
Satisfactory-Fail Only.  
2190005 1 W 3:10-5:00  
MEETS: AUG 26-DEC 20

## HUMAN DEVELOPMENT &amp; FAMILY STUDIES (CONTINUED)

DEVELPMT BIRTH-8YRS HD FS 224 3 CREDITS

Prereq: HD FS 102 AND HD FS 103  
Note: LAB PLACEMENT ASSIGNED AT FIRST LECTURE.  
COURSE RESTRICTED TO CH FS, ECE, FCEDS MAJORS.  
CREDIT IN EITHER HD FS 223 OR HD FS 224, BUT  
NOT BOTH, MAY BE APPLIED TOWARD GRADUATION.  
Department permission required 1st week.

7011005 1 TR 12:40-2:00  
M 9:00-10:50  
MEETS: AUG 26-DEC 20

7011010 2 TR 12:40-2:00  
T 9:00-10:50  
MEETS: AUG 26-DEC 20

7011015 3 TR 12:40-2:00  
W 9:00-10:50  
MEETS: AUG 26-DEC 20

7011020 4 TR 12:40-2:00  
R 9:00-10:50  
MEETS: AUG 26-DEC 20

7011025 5 TR 12:40-2:00  
F 9:00-10:50  
MEETS: AUG 26-DEC 20

7011030 6 TR 12:40-2:00  
M 3:10-5:00  
MEETS: AUG 26-DEC 20

7011035 7 TR 12:40-2:00  
T 3:10-5:00  
MEETS: AUG 26-DEC 20

7011040 8 TR 12:40-2:00  
W 3:10-5:00  
MEETS: AUG 26-DEC 20

7011045 9 TR 12:40-2:00  
R 3:10-5:00  
MEETS: AUG 26-DEC 20

7011050 10 TR 12:40-2:00  
F 3:10-5:00  
MEETS: AUG 26-DEC 20

DEV&GUID MID CHILDH HD FS 226 3 CREDITS

Prereq: HD FS 102 OR PSYCH 230  
2193005 1 TR 9:30-10:45  
MEETS: AUG 26-DEC 20

ADOLESC&EMRGING ADU HD FS 227 3 CREDITS

Prereq: HD FS 102 OR PSYCH 230  
6972005 1 MWF 12:10-1:00  
MEETS: AUG 26-DEC 20

CONSUMER ISSUES HD FS 239 3 CREDITS

Note: Meets U.S. diversity reqmt  
3494005 1 MWF 1:10-2:00  
MEETS: AUG 26-DEC 20

LIT FOR CHILDREN HD FS 240 3 CREDITS

Note: Meets U.S. diversity reqmt  
2194005 1A TR 3:40-4:55  
MEETS: AUG 26-DEC 20  
Note: SEC 1A RESTRICTED TO CH FS, ECE, EL ED,  
FCEDS MAJORS ONLY  
2194010 1B TR 3:40-4:55  
MEETS: AUG 26-DEC 20  
Note: SEC 1B RESTRICTED TO MAJORS OTHER THAN  
CH FS, ECE, EL ED, FCEDS  
2194015 2A MWF 10:00-10:50  
MEETS: AUG 26-DEC 20  
Note: SEC 2A RESTRICTED TO CH FS, ECE, EL ED,  
FCEDS MAJORS ONLY  
2194020 2B MWF 10:00-10:50  
MEETS: AUG 26-DEC 20  
Note: SEC 2B RESTRICTED TO MAJORS OTHER THAN  
CH FS, ECE, EL ED, FCEDS

PRNT&FAM DVRSTY ISS HD FS 249 3 CREDITS

Note: Meets U.S. diversity reqmt  
2207005 1A TR 11:00-12:15  
MEETS: AUG 26-DEC 20  
Note: SEC 1A RESTRICTED TO CH FS, ECE, FCEDS, F C P  
MAJORS ONLY  
2207010 1B TR 11:00-12:15  
MEETS: AUG 26-DEC 20  
Note: SEC 1B RESTRICTED TO MAJORS OTHER THAN CH FS,  
ECE, FCEDS, F C P MAJORS ONLY

HUMAN SEXUALITY HD FS 276 3 CREDITS

Note: Meets U.S. diversity reqmt  
3496005 1 TR 12:40-2:00  
MEETS: AUG 26-DEC 20  
Note: SEC 1 RESTRICTED TO CH FS, FCEDS MAJORS  
Syllabus: <http://www.hs.iastate.edu/online/>  
3496010 2 TR 12:40-2:00  
MEETS: AUG 26-DEC 20  
Syllabus: <http://www.hs.iastate.edu/online/>  
3496015 3 TR 11:00-12:20  
MEETS: AUG 26-DEC 20  
3496020 4 TR 9:30-10:50  
MEETS: AUG 26-DEC 20



## HUMAN DEVELOPMENT &amp; FAMILY STUDIES (CONTINUED)

PRSNL&FAMILY FINANC HD FS 283 3 CREDITS  
 Note: Meets U.S. diversity reqmt  
 3499005 1 TR 2:10-3:25  
 MEETS: AUG 26-DEC 20  
 Syllabus: <http://www.hs.iastate.edu/online/>

FIELD EXPERIENCES HD FS 317 1- 6 CREDITS  
 Prereq: 9 CREDITS IN HD FS  
 Satisfactory-Fail Only.  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

HONORS FIELD EXPRNC HD FS 317H 1- 6 CREDITS  
 Prereq: 9 CREDITS IN HD FS  
 Satisfactory-Fail Only.  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

ASS'MT&CUR:BRTH-2YR HD FS 340 4 CREDITS  
 Prereq: HD FS 103, HD FS 224, ADMISSION TO  
 TEACHER EDUCATION PROGRAM  
 Note: COURSE RESTRICTED TO STUDENTS WHO HAVE FULL  
 ADMISSION TO THE TEACHER EDUCATION PROGRAM. LAB  
 PLACEMENT LOCATIONS ASSIGNED AT FIRST LECTURE CLASS.  
 8686005 1 TR 3:40-5:00  
 M 9:00-11:50  
 MEETS: AUG 26-DEC 20  
 Note: Department permission required 1st week.  
 Syllabus: <http://www.hs.iastate.edu/online/>

8686010 2 TR 3:40-5:00  
 T 9:00-11:50  
 MEETS: AUG 26-DEC 20  
 Note: Department permission required 1st week.  
 Syllabus: <http://www.hs.iastate.edu/online/>

8686015 3 TR 3:40-5:00  
 W 9:00-11:50  
 MEETS: AUG 26-DEC 20  
 Note: Department permission required 1st week.  
 Syllabus: <http://www.hs.iastate.edu/online/>

8686020 4 TR 3:40-5:00  
 R 9:00-11:50  
 MEETS: AUG 26-DEC 20  
 Note: Department permission required 1st week.  
 Syllabus: <http://www.hs.iastate.edu/online/>

8686025 5 TR 3:40-5:00  
 F 9:00-11:50  
 MEETS: AUG 26-DEC 20  
 Note: Department permission required 1st week.  
 Syllabus: <http://www.hs.iastate.edu/online/>

HOUSHLD FINANC&PLCY HD FS 341 3 CREDITS  
 3500005 1 TR 11:00-12:20  
 MEETS: AUG 26-DEC 20  
 Syllabus: <http://www.hs.iastate.edu/online/>

GUIDNC&GRP ERLY CHD HD FS 342 3 CREDITS  
 Prereq: HD FS 103, HD FS 224  
 Note: COURSE RESTRICTED TO CH FS, ECE, FCEDS MAJORS  
 Department permission required 1st week.  
 3414005 1 TR 2:10-3:00  
 M 12:10-1:00, ARRANGED  
 MEETS: AUG 26-DEC 20

3414010 2 TR 2:10-3:00  
 T 12:10-1:00, ARRANGED  
 MEETS: AUG 26-DEC 20

3414015 3 TR 2:10-3:00  
 W 12:10-1:00, ARRANGED  
 MEETS: AUG 26-DEC 20

3414020 4 TR 2:10-3:00  
 R 12:10-1:00, ARRANGED  
 MEETS: AUG 26-DEC 20

3414025 5 TR 2:10-3:00  
 F 12:10-1:00, ARRANGED  
 MEETS: AUG 26-DEC 20

3414030 6 TR 2:10-3:00  
 M 3:10-4:00, ARRANGED  
 MEETS: AUG 26-DEC 20

3414035 7 TR 2:10-3:00  
 T 3:10-4:00, ARRANGED  
 MEETS: AUG 26-DEC 20

3414040 8 TR 2:10-3:00  
 W 3:10-4:00, ARRANGED  
 MEETS: AUG 26-DEC 20

3414045 9 TR 2:10-3:00  
 R 3:10-4:00, ARRANGED  
 MEETS: AUG 26-DEC 20

3414050 10 TR 2:10-3:00  
 F 3:10-4:00, ARRANGED  
 MEETS: AUG 26-DEC 20

ASESMT&CURR:AGE 3-6 HD FS 343 4 CREDITS  
 Prereq: HD FS 103, HD FS 224, HD FS 240,  
 ADMISSION TO TEACHER EDUCATION PROGRAM  
 Note: COURSE RESTRICTED TO STUDENTS WHO HAVE FULL  
 ADMISSION TO THE TEACHER EDUCATION PROGRAM. LAB  
 PLACEMENT LOCATIONS ASSIGNED AT FIRST LECTURE CLASS.  
 2205005 1 TR 3:40-5:00  
 M 9:00-11:50  
 MEETS: AUG 26-DEC 20  
 Note: Department permission required 1st week.  
 Syllabus: <http://www.hs.iastate.edu/online/>

2205010 2 TR 3:40-5:00  
 T 9:00-11:50  
 MEETS: AUG 26-DEC 20  
 Note: Department permission required 1st week.  
 Syllabus: <http://www.hs.iastate.edu/online/>

## HUMAN DEVELOPMENT &amp; FAMILY STUDIES (CONTINUED)

ASESMT&CURR:AGE 3-6 HD FS 343 4 CREDITS  
 2205015 3 TR 3:40-5:00  
 W 9:00-11:50  
 MEETS: AUG 26-DEC 20  
 Note: Department permission required 1st week.  
 Syllabus: <http://www.hs.iastate.edu/online/>

2205020 4 TR 3:40-5:00  
 R 9:00-11:50  
 MEETS: AUG 26-DEC 20  
 Note: Department permission required 1st week.  
 Syllabus: <http://www.hs.iastate.edu/online/>

2205025 5 TR 3:40-5:00  
 F 9:00-11:50  
 MEETS: AUG 26-DEC 20  
 Note: Department permission required 1st week.  
 Syllabus: <http://www.hs.iastate.edu/online/>

CHILD EARLY CARE&ED HD FS 344 4 CREDITS  
 Prereq: HD FS 103, HD FS 224  
 Note: COURSE RESTRICTED TO CH FS MAJORS ONLY  
 1351005 1 TR 9:30-10:45  
 M 2:10-5:30  
 MEETS: AUG 26-DEC 20

1351010 2 TR 9:30-10:45  
 T 2:10-5:30  
 MEETS: AUG 26-DEC 20

1351015 3 TR 9:30-10:45  
 W 2:10-5:30  
 MEETS: AUG 26-DEC 20

1351020 4 TR 9:30-10:45  
 R 2:10-5:30  
 MEETS: AUG 26-DEC 20

1351025 5 TR 9:30-10:45  
 F 2:10-5:30  
 MEETS: AUG 26-DEC 20

ADAPT PROG INCL SET HD FS 345 3 CREDITS  
 Prereq: HD FS 224; SP ED 250  
 Note: COURSE RESTRICTED TO CH FS, ECE JUNIORS & SENIORS  
 4449005 1 TR 12:40-2:00  
 MEETS: AUG 26-DEC 20  
 Syllabus: <http://www.hs.iastate.edu/online/>

HOUS&SERV FAM&CHILD HD FS 360 3 CREDITS  
 Prereq: 6 CREDITS IN SOCIAL SCIENCES  
 Note: Meets U.S. diversity reqmt  
 3501005 1 MWF 9:00-9:50  
 MEETS: AUG 26-DEC 20  
 Syllabus: <http://www.hs.iastate.edu/online/>

ABUSE&ILL IN FAMILI HD FS 367 3 CREDITS  
 Prereq: HD FS 102 OR PSYCH 230  
 Note: COURSE RESTRICTED TO CH FS, ECE, FCEDS, F C P  
 MAJORS ONLY  
 9193005 1 MWF 11:00-11:50  
 MEETS: AUG 26-DEC 20

RSEARCH METHDS HD FS 369 3 CREDITS  
 Prereq: HD FS 102 OR PSYCH 230; 9 HOURS IN  
 HD FS; JUNIOR OR SENIOR CLASSIFICATION  
 3343005 1 MWF 10:00-10:50  
 M 8:00-8:50  
 MEETS: AUG 26-DEC 20

3343010 2 MWF 10:00-10:50  
 W 8:00-8:50  
 MEETS: AUG 26-DEC 20

3343015 3 MWF 10:00-10:50  
 F 8:00-8:50  
 MEETS: AUG 26-DEC 20

AGING & THE FAMILY HD FS 377 3 CREDITS  
 Prereq: HD FS 102  
 Note: Meets U.S. diversity reqmt  
 3506005 1 TR 9:30-10:45  
 MEETS: AUG 26-DEC 20  
 Syllabus: <http://www.hs.iastate.edu/online/>

FUND FINANC PLANNNG HD FS 383 3 CREDITS  
 Prereq: HD FS 283  
 3672005 1 MWF 12:10-1:00  
 MEETS: AUG 26-DEC 20

CHLD, FAM&PUB POLCY HD FS 395 3 CREDITS  
 Prereq: HD FS 369 OR EQUIVALENT  
 1155005 1A MWF 9:00-9:50  
 MEETS: AUG 26-DEC 20  
 Note: SEC 1A RESTRICTED TO CH FS, ECE, FCEDS,  
 F C P MAJORS ONLY

1155010 1B MWF 9:00-9:50  
 MEETS: AUG 26-DEC 20  
 Note: SEC 1B RESTRICTED TO MAJORS OTHER THAN  
 CH FS, ECE, FCEDS, F C P

SUP TCH EARLY SP ED HD FS 417C 8 CREDITS  
 Prereq: GPA 2.5; FULL ADMISSION TO TEACHER  
 EDUCATION PROGRAM, HD FS 455; HD FS 456  
 Note: RESTRICTED TO STUDENTS WITH FULL ADMISSION  
 THE UNIVERSITY TEACHER EDUCATION PROGRAM  
 2213010 1A ARRANGED  
 MEETS: AUG 26-OCT 18

2213015 1R ARRANGED  
 MEETS: AUG 26-OCT 18

2213020 2A ARRANGED  
 MEETS: OCT 21-DEC 20

## HUMAN DEVELOPMENT &amp; FAMILY STUDIES (CONTINUED)

SUP TCH EARLY SP ED HD FS 417C 8 CREDITS  
 Note: SEC 2A FOR STUDENTS TEACHING IN CENTRAL IOWA  
 2213025 2R ARRANGED  
 MEETS: OCT 21-DEC 20  
 Note: SEC 2R FOR STUDENTS TEACHING OUTSIDE CENTRAL IOWA

PRO PRAC RFLCT:TCHG HD FS 418A .5 CREDIT  
 Prereq: CONCURRENT ENROLLMENT IN HD FS 417  
 Note: COURSE RESTRICTED TO ECE MAJORS ONLY  
 Satisfactory-Fail Only.  
 4952005 1 ARRANGED  
 MEETS: AUG 26-DEC 20

PRO PRAC RFLCT:INTN HD FS 418B 2 CREDITS  
 Prereq: JUNIOR CLASSIFICATION  
 Satisfactory-Fail Only.  
 3681005 1 W 3:10-5:00  
 MEETS: AUG 26-DEC 20

PRG EVAL&PROPOS WRI HD FS 449 3 CREDITS  
 Prereq: HD FS 369  
 Note: COURSE RESTRICTED TO CH FS, FCEDS, F C P,  
 KIN H MAJORS ONLY  
 2221005 1 TR 11:00-12:20  
 MEETS: AUG 26-DEC 20  
 Syllabus: <http://www.hs.iastate.edu/online/>

CURR--AGES 3 THRU 6 HD FS 455 4 CREDITS  
 Prereq: HD FS 343, HD FS 345, SP ED 405 AND SP ED  
 458  
 Note: LAB PLACEMENT ASSIGNED AT FIRST LECTURE  
 2222005 1 TR 12:40-2:00  
 M 8:00-11:50  
 MEETS: AUG 26-DEC 20  
 Note: Department permission required 1st week.  
 Syllabus: <http://www.hs.iastate.edu/online/>

2222010 2 TR 12:40-2:00  
 T 8:00-11:50  
 MEETS: AUG 26-DEC 20  
 Note: Department permission required 1st week.  
 Syllabus: <http://www.hs.iastate.edu/online/>

2222015 3 TR 12:40-2:00  
 R 8:00-11:50  
 MEETS: AUG 26-DEC 20  
 Note: Department permission required 1st week.  
 Syllabus: <http://www.hs.iastate.edu/online/>

2222020 4 TR 12:40-2:00  
 F 8:00-11:50  
 MEETS: AUG 26-DEC 20  
 Note: Department permission required 1st week.  
 Syllabus: <http://www.hs.iastate.edu/online/>

WRK W FAM E INTERVN HD FS 456 3 CREDITS  
 Prereq: HD FS 340 OR HD FS 344; OR PERMISSION OF  
 INSTRUCTOR; CURRENT BACKGROUND CHECK  
 7563005 1 TR 2:10-3:30  
 MEETS: AUG 26-DEC 20  
 Syllabus: <http://www.hs.iastate.edu/online/>

FAMILY INTERACT DYN HD FS 479 3 CREDITS  
 Prereq: HD FS 102 OR EQUIVALENT; HD FS 369 OR  
 EQUIVALENT; 9 HOURS IN SOCIAL SCIENCES; JUNIOR OR  
 SENIOR STATUS  
 Note: COURSE RESTRICTED TO JUNIORS AND SENIORS ONLY  
 3524005 1 TR 12:40-2:00  
 MEETS: AUG 26-DEC 20  
 Syllabus: <http://www.hs.iastate.edu/online/>

FAMILY SAVINGS&INVS HD FS 482 3 CREDITS  
 Prereq: HD FS 283  
 3983005 1 TR 9:30-10:50  
 MEETS: AUG 26-DEC 20

ADMIN HUMN SVC PROG HD FS 486 3 CREDITS  
 Prereq: JUNIOR CLASSIFICATION; 6 CREDITS IN HD FS  
 AT 300 LEVEL AND ABOVE  
 3619005 1 MWF 1:10-2:00  
 MEETS: AUG 26-DEC 20  
 Syllabus: <http://www.hs.iastate.edu/online/>

FINANCIAL COUNSELNG HD FS 489 2 CREDITS  
 Prereq: HD FS 283  
 Note: COURSE ONLY OFFERED FOR 2 CREDITS FALL 2019  
 3537005 1 MW 10:00-10:50  
 MEETS: AUG 26-DEC 20

FINANC COUNSEL LAB HD FS 489L 1 CREDIT  
 Prereq: HD FS 283  
 8102010 1 ARRANGED  
 MEETS: AUG 26-DEC 20

INDEPENDENT STUDY HD FS 490 VAR. CREDITS  
 Prereq: 6 CREDITS IN HD FS  
 \*\*\*\*\*  
 SEE DEPT FOR REFERENCE NUMBERS

## HUMAN DEVELOPMENT &amp; FAMILY STUDIES (CONTINUED)

INDEP STUDY HONORS HD FS 490H VAR. CREDITS  
 Prereq: 6 CR IN HD FS, MEMBERSHIP IN HONORS PROG  
 Note: COURSE RESTRICTED TO HONORS PROGRAM STUDENTS ONLY  
 \*\*\*\*\*  
 SEE DEPT FOR REFERENCE NUMBERS

INTERNSHIP HD FS 491 4- 9 CREDITS  
 Prereq: HD FS 418B; PERMISSION OF INSTRUCTOR;  
 SENIOR CLASSIFICATION; MINIMUM 2.0 GPA  
 Satisfactory-Fail Only.  
 \*\*\*\*\*  
 SEE DEPT FOR REFERENCE NUMBERS

RESEARCH HD FS 499 1- 6 CREDITS  
 Prereq: PERMISSION OF STAFF MEMBER WITH WHOM  
 STUDENT PROPOSED TO WORK, CONSULT DEPARTMENT OFFICE  
 FOR PROCEDURES  
 \*\*\*\*\*  
 SEE DEPT FOR REFERENCE NUMBERS

GRAD STU,RES,ETHICS HD FS 501 2 CREDITS  
 3543005 1 R 12:40-2:30  
 MEETS: AUG 26-DEC 20  
 Syllabus: <http://www.hs.iastate.edu/online/>

QNTV RESRCH METHODS HD FS 503 4 CREDITS  
 Prereq: PERMISSION OF INSTRUCTOR  
 3544005 1 T 2:10-4:40  
 R 3:10-4:00  
 MEETS: AUG 26-DEC 20  
 Note: SEC 1 RESTRICTED TO HD FS, GERON MAJORS ONLY  
 3544010 2 T 2:10-4:40  
 R 3:10-4:00  
 MEETS: AUG 26-DEC 20  
 Note: SEC 2 RESTRICTED TO MAJORS OTHER THAN  
 HD FS, GERON

QLTVE RESRCH METHODS HD FS 504 3 CREDITS  
 Prereq: 9 CREDITS OF SOCIAL SCIENCES OR  
 PERMISSION OF INSTRUCTOR  
 7641005 1 W 6:00-8:40PM  
 MEETS: AUG 26-DEC 20  
 Note: SEC 1 RESTRICTED TO HD FS, GERON MAJORS ONLY  
 7641010 2 W 6:00-8:40PM  
 MEETS: AUG 26-DEC 20  
 Note: SEC 2 RESTRICTED TO MAJORS OTHER THAN  
 HD FS, GERON

THEORIES HUMAN DEVE HD FS 510 3 CREDITS  
 Prereq: 9 CREDITS OF SOCIAL SCIENCES OR  
 PERMISSION OF INSTRUCTOR  
 7702005 1 W 9:00-11:40  
 MEETS: AUG 26-DEC 20  
 Note: SEC 1 RESTRICTED TO HD FS, GERON MAJORS ONLY  
 7702010 2 W 9:00-11:40  
 MEETS: AUG 26-DEC 20  
 Note: SEC 2 RESTRICTED TO MAJORS OTHER THAN  
 HD FS, GERON

FINANC COUNSEL LAB HD FS 589L 1 CREDIT  
 Prereq: GRADUATE CLASSIFICATION  
 3510005 1 ARRANGED  
 MEETS: AUG 26-DEC 20

SP TOP HUMAN,FAMILY HD FS 590I VAR. CREDITS  
 Prereq: PERMISSION OF INSTRUCTOR  
 \*\*\*\*\*  
 SEE DEPT FOR REFERENCE NUMBERS

INTERN HUM DV,FAMLY HD FS 591I VAR. CREDITS  
 Prereq: 10 GRAD CREDITS  
 \*\*\*\*\*  
 SEE DEPT FOR REFERENCE NUMBERS

CREATIVE COMPONENT HD FS 599 VAR. CREDITS  
 Prereq: 9 GRADUATE CREDITS IN HD FS  
 \*\*\*\*\*  
 SEE DEPT FOR REFERENCE NUMBERS

ADV QUANTITAT METHD HD FS 603 3 CREDITS  
 Prereq: HD FS 503; HD FS 505; STAT 402 OR  
 STAT 404 OR PERMISSION OF INSTRUCTOR  
 2239005 1 WF 2:10-3:30  
 MEETS: AUG 26-DEC 20  
 Note: SEC 1 RESTRICTED TO HD FS, GERON MAJORS ONLY  
 2239010 2 WF 2:10-3:30  
 MEETS: AUG 26-DEC 20  
 Note: SEC 2 RESTRICTED TO MAJORS OTHER THAN  
 HD FS, GERON

RESEARCH GRANT WRIT HD FS 608 3 CREDITS  
 Prereq: HD FS 503, HD FS 505, AND HD FS 504  
 OR PERMISSION OF INSTRUCTOR  
 8824005 1 M 12:10-3:00  
 MEETS: AUG 26-DEC 20  
 Note: SEC 1 RESTRICTED TO HD FS, GERON MAJORS ONLY  
 8824010 2 M 12:10-3:00  
 MEETS: AUG 26-DEC 20  
 Note: SEC 2 FOR MAJORS OTHER THAN HD FS, GERON

ADV TOP HUMAN,FAMLY HD FS 690I VAR. CREDITS  
 Prereq: INSTR PERMISSN, ENROLLMENT IN PH.D. PROG  
 \*\*\*\*\*  
 SEE DEPT FOR REFERENCE NUMBERS

## HUMAN DEVELOPMENT &amp; FAMILY STUDIES (CONTINUED)

COLLEG TCH INTERNSP HD FS 691A VAR. CREDITS  
Prereq: PERMISSION OF INSTRUCTOR  
Satisfactory-Fail Only.  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

RESEARCH INTERNSHIP HD FS 691B VAR. CREDITS  
Prereq: PERMISSION OF INSTRUCTOR  
Satisfactory-Fail Only.  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

PRO EXPER INTERNSHP HD FS 691D VAR. CREDITS  
Satisfactory-Fail Only.  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

RES HUM DEV&FAM STU HD FS 699I VAR. CREDITS  
Satisfactory-Fail Only.  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

**HUMAN SCIENCES**

ORIEN&CAREER EXPLOR H SCI 110 2 CREDITS  
Prereq: DECLARED AS OPEN OPTION IN THE COLLEGE OF  
HUMAN SCIENCES  
9462005 1 TR 8:00-8:50  
MEETS: AUG 26-DEC 20

**IMMUNOBIOLOGY**

CURR TP WKSHP IMNOL IMBIO 602 1 CREDIT  
5723005 1 ARRANGED  
MEETS: AUG 26-DEC 20

SPECIAL TOPICS IMBIO 690 VAR. CREDITS  
5986005 1 ARRANGED  
MEETS: AUG 26-DEC 20

GRAD RSEARCH ROTATN IMBIO 697 VAR. CREDITS  
5991005 1 ARRANGED  
MEETS: AUG 26-DEC 20

RESEARCH IMBIO 699 VAR. CREDITS  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

**INDUSTRIAL DESIGN**

INDUST DSGN STUDIO I IND D 201 6 CREDITS  
Prereq: ADMISSION TO THE INDUSTRIAL DESIGN PROGRAM,  
CONCURRENT ENROLLMENT IN IND D 231  
Note: COURSE RESTRICTED TO IND D MAJORS ONLY  
9365005 1 MWF 1:10-4:30  
MEETS: AUG 26-DEC 20  
9365010 2 MWF 9:00-12:20  
MEETS: AUG 26-DEC 20  
9365015 3 MWF 1:10-4:30  
MEETS: AUG 26-DEC 20  
9365020 4 MWF 9:00-12:20  
MEETS: AUG 26-DEC 20

INTRO INDUSTRL DSGN IND D 231 3 CREDITS  
Prereq: DSN S 102, DSN S 131, CONCURRENT  
ENROLLMENT IN IND D 201, ADMISSION TO THE INDUSTRIAL  
DESIGN PROGRAM THROUGH DEPARTMENT REVIEW OR  
PERMISSION OF INSTRUCTOR  
Note: COURSE RESTRICTED TO IND D MAJORS ONLY  
9366005 1 TR 9:30-10:45  
MEETS: AUG 26-DEC 20

ACTVT-CNTRD INDU DS IND D 251 3 CREDITS  
Prereq: ADMISSION TO INDUSTRIAL DESIGN PROGRAM  
AND PERMISSION OF INSTRUCTOR  
Note: Meets U.S. diversity reqmt  
9200005 1 TR 8:00-9:15  
MEETS: AUG 26-DEC 20  
Note: SEC 1 RESTRICTED TO IND D MAJORS ONLY  
9200010 2 TR 8:00-9:15  
MEETS: AUG 26-DEC 20  
Note: SEC 2 FOR MAJORS OTHER THAN IND D

ENGNR:THOT TO THING IND D 260 3 CREDITS  
4434005 1 TR 4:10-5:30  
MEETS: AUG 26-DEC 20

INDUS DSN STUDIO III IND D 301 6 CREDITS  
Prereq: IND D 202  
9259005 1 MWF 9:00-12:20  
MEETS: AUG 26-DEC 20  
9259010 2 MWF 1:10-4:30  
MEETS: AUG 26-DEC 20  
9259015 3 MWF 9:00-12:20  
MEETS: AUG 26-DEC 20  
9259020 4 MWF 1:10-4:30  
MEETS: AUG 26-DEC 20

## INDUSTRIAL DESIGN (CONTINUED)

DSGN RESRCH METHODS IND D 332 3 CREDITS  
Prereq: IND D 231 OR PERMISSION OF INSTRUCTOR  
9260005 1 TR 9:30-10:50  
MEETS: AUG 26-DEC 20  
Note: SEC 1 RESTRICTED TO IND D MAJORS ONLY  
9260010 2 TR 9:30-10:50  
MEETS: AUG 26-DEC 20  
Note: SEC 2 RESTRICTED TO MAJORS OTHER THAN IND D

CPTR-AID INDUS DS I IND D 341 3 CREDITS  
Prereq: IND D 301  
Note: COURSE RESTRICTED TO IND D MAJORS ONLY  
6026005 1 MW 9:00-11:50  
MEETS: AUG 26-DEC 20  
6026010 2 MW 1:10-4:00  
MEETS: AUG 26-DEC 20

HIST INDUS DESIGN I IND D 387 3 CREDITS  
Prereq: 30 CREDITS EARNED AT ISU  
Note: Meets U.S. diversity reqmt  
9414005 1 TR 8:00-9:15  
MEETS: AUG 26-DEC 20

INDUS DSN INTERNSHP IND D 397 6 CREDITS  
Prereq: IND D 202, 18 CR IN INDUSTRIAL DESIGN,  
PERMISSION OF INSTRUCTOR  
6164005 1 ARRANGED  
MEETS: AUG 26-DEC 20

INDUS DESIGN STUDIO IND D 401 6 CREDITS  
Prereq: IND D 301 OR PERMISSION OF INSTRUCTOR  
2817005 1 MWF 1:10-4:30  
MEETS: AUG 26-DEC 20

SPL TOPCS:3-D DSGN IND D 490C VAR. CREDITS  
2872027 DN ARRANGED NEUBAUER D  
MEETS: AUG 26-DEC 20  
2872081 MK ARRANGED KARGOL M  
MEETS: AUG 26-DEC 20  
2872085 MO ARRANGED OBBINK M  
MEETS: AUG 26-DEC 20

INDUST DSGN STUDIO I IND D 501 6 CREDITS  
Prereq: ADMISSION TO THE INDUSTRIAL DESIGN  
STUDIO INTENSIVE TRACK OR GRADUATE STANDING IN THE  
INDUSTRIAL DESIGN PROGRAM  
9394005 1 MWF 1:10-4:30  
MEETS: AUG 26-DEC 20

INDUS DSN PRACTICUM IND D 507 6 CREDITS  
Prereq: EVIDENCE OF SATISFACTORY EXPERIENCE IN  
AREA OF SPECIALIZATION; APPROVAL OF PRACTICUM  
APPLICATION AND WRITTEN PERMISSION OF INSTRUCTOR ONLY  
6966005 1 MWF 1:10-4:30  
MEETS: AUG 26-DEC 20  
Note: Permission of department chair required.

DESIGN THINKING IND D 532 3 CREDITS  
Prereq: SENIOR OR GRADUATE STANDING IN ANY ISU  
PROGRAM, OR PERMISSION OF INSTRUCTOR  
Note: RESTRICTED TO SENIOR & GRADUATE LEVEL STUDENTS  
ONLY  
3113005 1 ARRANGED  
MEETS: AUG 26-DEC 20

PORTFOLIO&PRO PRCTC IND D 543 3 CREDITS  
Prereq: ADVANCED STANDING IN IND D PROGRAM  
3176005 1 TR 9:30-11:50  
MEETS: AUG 26-DEC 20

SPECIAL TOPICS IND D 590 3 CREDITS  
Prereq: COMPLETION OF INDUSTRIAL DESIGN STUDIO  
OR PERMISSION OF INSTRUCTOR  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

SPECIAL PROJECTS IND D 592 VAR. CREDITS  
Prereq: COMPLETION OF INDUSTRIAL DESIGN STUDIO OR  
PERMISSION OF INSTRUCTOR  
4181005 1 ARRANGED  
MEETS: AUG 26-DEC 20  
Note: SEC 1 OFFERED FOR 3 CREDITS  
4181010 2 ARRANGED  
MEETS: AUG 26-DEC 20  
Note: SEC 2 OFFERED FOR 6 CREDITS

INTERNSHIP IND D 597 6 CREDITS  
Prereq: COMPLETION OF INDUSTRIAL DESIGN STUDIO  
OR PERMISSION OF INSTRUCTOR  
9463005 1 ARRANGED  
MEETS: AUG 26-DEC 20

GRADUATE PROJECT I IND D 601 6 CREDITS  
Prereq: IND D 632  
7661005 1 ARRANGED  
MEETS: AUG 26-DEC 20

INDUSTRIAL DESIGN (CONTINUED)

DSGN RESRCH METHODS IND D 631 3 CREDITS  
 Prereq: SENIOR OR GRADUATE STANDING IN ANY ISU PROGRAM, OR PERMISSION OF INSTRUCTOR  
 7700005 1 TR 9:30-10:50  
 MEETS: AUG 26-DEC 20

THESIS IND D 699 6 CREDITS  
 Prereq: IND D 632  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

**INDUSTRIAL ENGINEERING**

INDUS ENGR PROFESSN I E 101 R CREDIT  
 Satisfactory-Fail Only.  
 4402005 1 T 2:10-3:30  
 MEETS: AUG 26-DEC 20

INFO ENGINEERING I E 148 3 CREDITS  
 Prereq: CREDIT OR ENROLLMENT IN MATH 143  
 Note: CREDIT IN ONLY ONE OF THE FOLLOWING COURSES MAY BE APPLIED TOWARD GRADUATION: I E 148, ENGR 160, AER E 160, C E 160, M E 160, A B E 160, CPR E 185, E E 185, S E 185. RESTRICTED TO I E MAJORS ONLY.  
 5037005 1 TR 10:00-11:50  
 MEETS: AUG 26-DEC 20  
 5037010 2 TR 12:10-2:00  
 MEETS: AUG 26-DEC 20

ENGR SYS DSGN,MANUF I E 248 3 CREDITS  
 Prereq: MATH 166, PHYS 221, CREDIT OR ENROLLMENT IN I E 101 AND MAT E 273  
 Note: LECTURE MEETS 30 OF THE 45 SCHEDULED PERIODS. SEE SYLLABUS. 2-PART COURSE. REGISTER FOR A LECTURE SECTION (NUMBERED SECTIONS 1-2) FIRST AND THEN A LAB SECTION (LETTERED SECTIONS A-Q). STUDENTS WHO DON'T REGISTER FOR BOTH LECTURE AND LAB WILL NEED TO DROP FROM THE COURSE DUE TO INCOMPLETE REGISTRATION. RESTRICTED TO I E MAJORS ONLY - OTHER MAJORS BY PERMISSION OF INSTRUCTOR.

5808003 1 MWF 9:00-9:50  
 MEETS: AUG 26-DEC 20  
 5808005 A T 8:00-9:50  
 MEETS: AUG 26-DEC 20  
 5808010 B R 8:00-9:50  
 MEETS: AUG 26-DEC 20  
 5808015 C T 10:00-11:50  
 MEETS: AUG 26-DEC 20  
 5808020 D R 10:00-11:50  
 MEETS: AUG 26-DEC 20  
 5808025 E T 1:10-3:00  
 MEETS: AUG 26-DEC 20  
 5808030 F R 1:10-3:00  
 MEETS: AUG 26-DEC 20  
 5808035 G M 1:10-3:00  
 MEETS: AUG 26-DEC 20  
 5808040 J F 1:10-3:00  
 MEETS: AUG 26-DEC 20  
 5808050 K F 8:00-9:50  
 MEETS: AUG 26-DEC 20  
 5808055 L M 8:00-9:50  
 MEETS: AUG 26-DEC 20  
 5808060 M R 3:10-5:00  
 MEETS: AUG 26-DEC 20  
 5808065 N F 10:00-11:50  
 MEETS: AUG 26-DEC 20  
 5808070 P M 10:00-11:50  
 MEETS: AUG 26-DEC 20

ENGR ECONOMIC ANALY I E 305 3 CREDITS  
 Prereq: MATH 166  
 Note: SEC A1,B1 RESTRICTED TO I E MAJORS ONLY. SEC A2,B2 RESTRICTED TO MAJORS OTHER THAN I E.  
 4425005 A1 MWF 1:10-2:00  
 MEETS: AUG 26-DEC 20  
 4425010 A2 MWF 1:10-2:00  
 MEETS: AUG 26-DEC 20  
 4425015 B1 TR 12:40-2:00  
 MEETS: AUG 26-DEC 20  
 4425020 B2 TR 12:40-2:00  
 MEETS: AUG 26-DEC 20

OPTIMIZATION I E 312 3 CREDITS  
 Prereq: CREDIT OR ENROLLMENT IN MATH 267  
 Note: COURSE RESTRICTED TO I E MAJORS ONLY  
 4410005 1 MWF 11:00-11:50  
 MEETS: AUG 26-DEC 20

PRODUCTION SYSTEMS I E 341 3 CREDITS  
 Prereq: STAT 231; CR OR ENROLLMENT IN I E 312  
 Note: COURSE RESTRICTED TO I E MAJORS  
 4413005 1 MWF 10:00-10:50  
 MEETS: AUG 26-DEC 20  
 4413010 2 MWF 2:10-3:00  
 MEETS: AUG 26-DEC 20

INDUSTRIAL ENGINEERING (CONTINUED)

STAT QUALITY ASSURN I E 361 3 CREDITS  
 Prereq: STAT 231 OR STAT 301 OR STAT 326 OR STAT 401  
 Note: COURSE RESTRICTED TO I E, STAT MAJORS ONLY  
 TWO-HOUR LECTURE DELIVERY IS WWW.  
 4416005 1 ARRANGED, T 3:40-5:40  
 MEETS: AUG 26-DEC 20

COOPERATIVE EDUCATN I E 398 R CREDIT  
 Prereq: PERMISSION OF DEPARTMENT AND ENGINEERING CAREER SERVICES  
 Satisfactory-Fail Only.  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

STOCHAST MODL,SIMUL I E 413 4 CREDITS  
 Prereq: MATH 267, STAT 231  
 Note: COURSE RESTRICTED TO I E MAJORS ONLY  
 7013005 1 MWF 8:00-8:50  
 T 2:10-3:00  
 MEETS: AUG 26-DEC 20  
 7013010 2 MWF 8:00-8:50  
 T 3:10-4:00  
 MEETS: AUG 26-DEC 20  
 7013015 3 MWF 9:00-9:50  
 R 2:10-3:00  
 MEETS: AUG 26-DEC 20  
 7013020 4 MWF 9:00-9:50  
 R 3:10-4:00  
 MEETS: AUG 26-DEC 20

INDUSTR ENGR DESIGN I E 441 3 CREDITS  
 Prereq: I E 248, I E 271, I E 361; CREDIT OR ENROLLMENT IN 341, 413, AND 448  
 Note: COURSE RESTRICTED TO I E, IMSE MAJORS ONLY  
 4432005 1 M 2:10-3:00  
 MWF 10:00-11:50  
 MEETS: AUG 26-DEC 20  
 4432010 2 M 2:10-3:00  
 MWF 12:10-2:00  
 MEETS: AUG 26-DEC 20  
 4432015 3 M 2:10-3:00  
 MWF 3:10-5:00  
 MEETS: AUG 26-DEC 20

ENGRS TECHN SALES I I E 450 3 CREDITS  
 Prereq: CREDIT OR ENROLLMENT IN I E 305  
 8885005 1 M 6:10-9:00PM  
 MEETS: AUG 26-DEC 20

MULTIDISC ENGR DSGN I E 466 3 CREDITS  
 Prereq: STUDENT MUST BE WITHIN TWO SEMESTERS OF GRADUATION AND RECEIVE PERMISSION OF INSTRUCTOR  
 1902005 1 MWF 3:10-5:00  
 MEETS: AUG 26-DEC 20

E-COMMERCE SYS ENGR I E 481 3 CREDITS  
 Prereq: I E 148  
 7818005 1 TR 11:00-12:15  
 MEETS: AUG 26-DEC 20

BIG DATA OPTIMIZATN I E 487 3 CREDITS  
 Prereq: I E 312, STAT 231  
 9976005 1 MWF 1:10-2:00  
 MEETS: AUG 26-DEC 20

INDEPENDENT STUDY I E 490 1- 5 CREDITS  
 Prereq: SR CLASSIFICATION, PERMISSION OF INSTR  
 Satisfactory-Fail Only.  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

INDEP STUDY HONORS I E 490H 1- 5 CREDITS  
 Prereq: SR CLASSIFICATION, PERMISSION OF INSTR  
 UNIV HONORS PROGRAM MEMBERSHIP  
 Note: COURSE RESTRICTED TO STUDENTS IN THE UNIVERSITY HONORS PROGRAM ONLY  
 Satisfactory-Fail Only.  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

I E GRAD SEMINAR I E 501 R CREDIT  
 Prereq: ENROLLMENT IN GRADUATE PROGRAM IN INDUSTRIAL ENGINEERING.  
 Satisfactory-Fail Only.  
 3550005 1 W 4:10-5:00  
 MEETS: AUG 26-DEC 20

ANALY STOCHASTC SYS I E 513 3 CREDITS  
 Prereq: STAT 231  
 6974005 1 TR 12:40-2:00  
 MEETS: AUG 26-DEC 20

LINEAR PROGRAMMING I E 534 3 CREDITS  
 Prereq: I E 312  
 4459005 1 MWF 9:00-9:50  
 MEETS: AUG 26-DEC 20

INDUSTRIAL ENGINEERING (CONTINUED)

INFORMATION ASSURANCE (CONTINUED)

ENGINEER & SYSTM MGT I E 563 3 CREDITS  
 Prereq: COURSE IN PROBABILITY AND STATISTICS  
 Note: RESTRICTED TO GRADUATE STUDENTS ONLY  
 4660005 1 R 6:00-9:00PM  
 MEETS: AUG 26-DEC 20

OCCUPATN BIOMECHNCS I E 571 3 CREDITS  
 Prereq: EM 274, STAT 231  
 2545005 1 T 4:10-7:00PM  
 MEETS: AUG 26-DEC 20

HUMAN FACTORS I E 577 3 CREDITS  
 Prereq: I E 271 OR GRADUATE CLASSIFICATION  
 5442005 A1 M 4:10-7:00PM  
 MEETS: AUG 26-DEC 20  
 Note: SEC A1 RESTRICTED TO I E, IMSE, SYS E,  
 E M MAJORS ONLY  
 5442010 A2 M 4:10-7:00PM  
 MEETS: AUG 26-DEC 20  
 Note: SEC A2 RESTRICTED TO MAJORS OTHER THAN  
 I E, IMSE, SYS E, E M

E-COMMERCE SYS ENGR I E 581 3 CREDITS  
 Prereq: I E 148  
 7817005 1 TR 11:00-12:15  
 MEETS: AUG 26-DEC 20

BIG DATA OPTIMIZATN I E 587 3 CREDITS  
 Prereq: I E 312, STAT 231  
 9977005 1 MWF 1:10-2:00  
 MEETS: AUG 26-DEC 20

SPECIAL TOPICS I E 590 1- 3 CREDITS  
 Satisfactory-Fail Only.  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

CREATIVE COMPONENT I E 599 VAR. CREDITS  
 Satisfactory-Fail Only.  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

STOCHASTIC PROGRAMMG I E 633 3 CREDITS  
 Prereq: I E 513 OR STAT 447; I E 534 OR EQUIVALENT  
 7883005 1 TR 9:30-10:45  
 MEETS: AUG 26-DEC 20

SPINE BIOMECHANICS I E 673 3 CREDITS  
 Prereq: I E 571 OR EQUIVALENT  
 9844005 1 ARRANGED  
 MEETS: AUG 26-DEC 20

COGNITIVE ENGINEERG I E 681 3 CREDITS  
 Prereq: I E 572 OR I E 577 OR PSYCH 516 OR  
 HCI 521 OR PSYCH 521 OR EQUIVALENT  
 8177005 1 TR 9:30-10:45  
 MEETS: AUG 26-DEC 20

ADVANCED TOPICS I E 690 1- 3 CREDITS  
 Prereq: PERMISSION OF INSTRUCTOR  
 Satisfactory-Fail Only.  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

ENGINEER INTERNSHIP I E 697 R CREDIT  
 Prereq: PERMISSION OF DEPARTMENT  
 Note: Department permission required.  
 Satisfactory-Fail Only.  
 7999005 1 ARRANGED  
 MEETS: AUG 26-DEC 20

RESEARCH I E 699 VAR. CREDITS  
 Satisfactory-Fail Only.  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

**INFORMATION ASSURANCE**

CYBER DEFENS COMPET INFAS 332 1 CREDIT  
 Satisfactory-Fail Only.  
 2749005 1 ARRANGED  
 MEETS: AUG 26-DEC 20

NTWRK PROTOCL&SECUR INFAS 430 3 CREDITS  
 2068005 1 TR 8:00-9:15  
 MEETS: AUG 26-DEC 20

NTWRK PROTOCL&SECUR INFAS 530 3 CREDITS  
 Prereq: CPR E 381 OR EQUIVALENT  
 8088005 1 TR 8:00-9:15  
 MEETS: AUG 26-DEC 20

INFO SYSTM SECURITY INFAS 531 3 CREDITS  
 Prereq: CPR E 489 OR CPR E 530 OR COM S 586  
 OR MIS 535  
 Note: ON CAMPUS SECTIONS RESTRICTED TO E CPE, COM S,  
 GR ST, INFAS, SCIS GRAD STUDENTS ONLY  
 8086005 1 MWF 2:10-3:00  
 MEETS: AUG 26-DEC 20

CMPTR&NTWRK FORENSI INFAS 536 3 CREDITS  
 Prereq: CPR E 381 AND CPR E 489 OR CPR E 530  
 5554005 1 TR 9:30-10:50  
 MEETS: AUG 26-DEC 20

INFO ASSUR CAPSTONE INFAS 632 3 CREDITS  
 Prereq: CPR E 531, CPR E 532, CPR E 534  
 1893005 1 ARRANGED  
 MEETS: AUG 26-DEC 20  
 Note: Department permission required.

RES PROB CYBER SECU INFAS 634 3 CREDITS  
 Prereq: CPR E 530, CPR E 531, PERMISSION  
 OF INSTRUCTOR  
 4023005 1 F 12:30-2:30, ARRANGED  
 MEETS: AUG 26-DEC 20  
 Note: Instructor permission required.

INFO ASSURNC INTERN INFAS 697 R CREDIT  
 Prereq: PERMISSN OF DEPT, GRADUATE CLASSIFICATION  
 Satisfactory-Fail Only.  
 8082005 1 ARRANGED  
 MEETS: AUG 26-DEC 20

**INTEGRATED STUDIO ARTS**

CRTV VISUAL THINKNG ARTIS 201 3 CREDITS  
 7938005 1 ARRANGED  
 MEETS: AUG 26-DEC 20  
 Note: SEC 1 RESTRICTED TO COLLEGE OF DESIGN  
 MAJORS EXCEPT ARTIS  
 Course delivery is WWW

7938010 2 ARRANGED  
 MEETS: AUG 26-DEC 20  
 Note: SEC 2 RESTRICTED TO MAJORS OTHER THAN ARTIS  
 Course delivery is WWW

7938015 3 ARRANGED  
 MEETS: AUG 26-DEC 20  
 Note: SEC 3 RESTRICTED TO MAJORS OTHER THAN ARTIS  
 Course delivery is WWW

7938020 4 ARRANGED  
 MEETS: AUG 26-DEC 20  
 Note: SEC 4 RESTRICTED TO MAJORS OTHER THAN ARTIS  
 Course delivery is WWW

STUDIO FNDMTLS:WOOD ARTIS 202 2 CREDITS  
 Prereq: SOPHOMORE LEVEL AND ABOVE

9264005 A1 MWF 8:00-10:20  
 MEETS: AUG 26-OCT 18  
 Note: SECTION A1 RESTRICTED TO ARTIS MAJORS ONLY

9264010 A2 MWF 8:00-10:20  
 MEETS: AUG 26-OCT 18  
 Note: SECTION A2 RESTRICTED TO MAJORS OTHER THAN ARTIS

9264015 B1 MWF 8:00-10:20  
 MEETS: OCT 21-DEC 20  
 Note: SECTION B1 RESTRICTED TO ARTIS MAJORS ONLY

9264020 B2 MWF 8:00-10:20  
 MEETS: OCT 21-DEC 20  
 Note: SECTION B2 RESTRICTED TO MAJORS OTHER THAN ARTIS

STDO FUND:JWLRY/MTL ARTIS 203 2 CREDITS  
 Prereq: SOPHOMORE LEVEL AND ABOVE

9272005 A1 MWF 1:10-3:30  
 MEETS: AUG 26-OCT 18  
 Note: SECTION A1 RESTRICTED TO ARTIS MAJORS ONLY

9272010 A2 MWF 1:10-3:30  
 MEETS: AUG 26-OCT 18  
 Note: SECTION A2 RESTRICTED TO MAJORS OTHER THAN ARTIS

9272015 B1 MWF 1:10-3:30  
 MEETS: OCT 21-DEC 20  
 Note: SECTION B1 RESTRICTED TO ARTIS MAJORS ONLY

9272020 B2 MWF 1:10-3:30  
 MEETS: OCT 21-DEC 20  
 Note: SECTION B2 RESTRICTED TO MAJORS OTHER THAN ARTIS

STDO FUND:CERAMICS ARTIS 204 2 CREDITS  
 Prereq: SOPHOMORE LEVEL AND ABOVE

9253005 A1 MWF 3:40-6:00PM  
 MEETS: AUG 26-OCT 18  
 Note: SECTION A1 RESTRICTED TO ARTIS MAJORS ONLY

9253010 A2 MWF 3:40-6:00PM  
 MEETS: AUG 26-OCT 18  
 Note: SECTION A2 RESTRICTED TO MAJORS OTHER THAN ARTIS

9253015 B1 MWF 3:40-6:00PM  
 MEETS: OCT 21-DEC 20  
 Note: SECTION B1 RESTRICTED TO ARTIS MAJORS ONLY

9253020 B2 MWF 3:40-6:00PM  
 MEETS: OCT 21-DEC 20  
 Note: SECTION B2 RESTRICTED TO MAJORS OTHER THAN ARTIS

STDO FUND:PRINTMKG ARTIS 206 2 CREDITS  
 Prereq: SOPHOMORE LEVEL AND ABOVE

9255005 A1 MWF 1:10-3:30  
 MEETS: AUG 26-OCT 18  
 Note: SECTION A1 RESTRICTED TO ARTIS MAJORS ONLY

9255010 A2 MWF 1:10-3:30  
 MEETS: AUG 26-OCT 18  
 Note: SECTION A2 RESTRICTED TO MAJORS OTHER THAN ARTIS

9255015 B1 MWF 1:10-3:30  
 MEETS: OCT 21-DEC 20  
 Note: SECTION B1 RESTRICTED TO ARTIS MAJORS ONLY

9255020 B2 MWF 1:10-3:30  
 MEETS: OCT 21-DEC 20  
 Note: SECTION B2 RESTRICTED TO MAJORS OTHER THAN ARTIS

INTEGRATED STUDIO ARTS (CONTINUED)

INTEGRATED STUDIO ARTS (CONTINUED)

COLOR ARTIS 208 2 CREDITS  
 Prereq: SOPHOMORE CLASSIFICATION  
 Note: SECTIONS A1,B1 RESTRICTED TO ARTIS, P ISA MAJORS. SECTIONS A2,B2 RESTRICTED TO ALL OTHER COLLEGE OF DESIGN MAJORS AND BPM I, PBPMI.  
 Instructor permission required 1st week.

1766005 A1 MWF 8:00-9:50  
 MEETS: AUG 26-DEC 20

1766010 A2 MWF 8:00-9:50  
 MEETS: AUG 26-DEC 20

1766015 B1 MWF 12:10-2:00  
 MEETS: AUG 26-DEC 20

1766020 B2 MWF 12:10-2:00  
 MEETS: AUG 26-DEC 20

STUDIO FUND: PHOTO ARTIS 210 2 CREDITS  
 Prereq: SOPHOMORE LEVEL AND ABOVE

9256005 A1 TR 2:10-5:20  
 MEETS: AUG 26-OCT 18  
 Note: SECTION A1 RESTRICTED TO ARTIS MAJORS ONLY

9256010 A2 TR 2:10-5:20  
 MEETS: AUG 26-OCT 18  
 Note: SECTION A2 RESTRICTED TO MAJORS OTHER THAN ARTIS

9256015 B1 TR 2:10-5:20  
 MEETS: OCT 21-DEC 20  
 Note: SECTION B1 RESTRICTED TO ARTIS MAJORS ONLY

9256020 B2 TR 2:10-5:20  
 MEETS: OCT 21-DEC 20  
 Note: SECTION B2 RESTRICTED TO MAJORS OTHER THAN ARTIS

STUDIO FUND: CMPUTRS ARTIS 212 3 CREDITS  
 Prereq: SOPHOMORE LEVEL AND ABOVE

9257005 A1 TR 2:10-5:20  
 MEETS: AUG 26-OCT 18  
 Note: SECTION A1 RESTRICTED TO ARTIS MAJORS ONLY

9257010 A2 TR 2:10-5:20  
 MEETS: AUG 26-OCT 18  
 Note: SECTION A2 RESTRICTED TO MAJORS OTHER THAN ARTIS

9257015 B1 TR 6:10-9:00PM  
 MEETS: OCT 21-DEC 20  
 Note: SECTION B1 RESTRICTED TO ARTIS MAJORS ONLY

9257020 B2 TR 6:10-9:00PM  
 MEETS: OCT 21-DEC 20  
 Note: SECTION B2 RESTRICTED TO MAJORS OTHER THAN ARTIS

STUDIO FUND: PAINTNG ARTIS 213 2 CREDITS  
 Prereq: SOPHOMORE LEVEL AND ABOVE

9266005 A1 MWF 8:00-10:20  
 MEETS: AUG 26-OCT 18  
 Note: SECTION A1 RESTRICTED TO ARTIS MAJORS ONLY

9266010 A2 MWF 8:00-10:20  
 MEETS: AUG 26-OCT 18  
 Note: SECTION A2 RESTRICTED TO MAJORS OTHER THAN ARTIS

9266015 B1 MWF 8:00-10:20  
 MEETS: OCT 21-DEC 20  
 Note: SECTION B1 RESTRICTED TO ARTIS MAJORS ONLY

9266020 B2 MWF 8:00-10:20  
 MEETS: OCT 21-DEC 20  
 Note: SECTION B2 RESTRICTED TO MAJORS OTHER THAN ARTIS

STUDIO FUND: TEXTILE ARTIS 214 2 CREDITS  
 Prereq: SOPHOMORE LEVEL AND ABOVE

9269005 A1 MWF 3:40-6:00PM  
 MEETS: AUG 26-OCT 18  
 Note: SECTION A1 RESTRICTED TO ARTIS MAJORS ONLY

9269010 A2 MWF 3:40-6:00PM  
 MEETS: AUG 26-OCT 18  
 Note: SECTION A2 RESTRICTED TO MAJORS OTHER THAN ARTIS

9269015 B1 MWF 3:40-6:00PM  
 MEETS: OCT 21-DEC 20  
 Note: SECTION B1 RESTRICTED TO ARTIS MAJORS ONLY

9269020 B2 MWF 3:40-6:00PM  
 MEETS: OCT 21-DEC 20  
 Note: SECTION B2 RESTRICTED TO MAJORS OTHER THAN ARTIS

INTR CRTV DGT PHOTO ARTIS 227 3 CREDITS  
 Prereq: DSN S 102, DSN S 131, DSN S 183, OR PERMISSION OF INSTRUCTOR  
 Note: COURSE RESTRICTED TO MAJORS IN BPM I AND THE COLLEGE OF DESIGN, NOT OPEN TO ARTIS MAJORS.

1983005 1 MW 2:10-5:00  
 MEETS: AUG 26-DEC 20

DRAWING II ARTIS 230 3 CREDITS  
 Prereq: DSN S 102, DSN S 183 AND DSN S 131  
 Note: COURSE RESTRICTED TO MAJORS IN BPM I AND THE COLLEGE OF DESIGN  
 Instructor permission required 1st week.

1779005 1 TR 8:00-10:50  
 MEETS: AUG 26-DEC 20

1779010 2 MW 9:00-11:50  
 MEETS: AUG 26-DEC 20

WATERCOLOR PAINTING ARTIS 233 3 CREDITS  
 Prereq: ARTIS 230  
 Note: COURSE RESTRICTED TO MAJORS IN BPM I AND THE COLLEGE OF DESIGN  
 Instructor permission required 1st week.

1780005 1 MW 12:10-3:00  
 MEETS: AUG 26-DEC 20

WATERCOLOR PAINTING ARTIS 233H 3- 4 CREDITS  
 Prereq: ARTIS 230  
 Note: FOR BPM I, PBPMI, AND COLLEGE OF DESIGN MAJORS WHO ARE MEMBERS OF THE UNIVERSITY HONORS PROGRAM  
 Instructor permission required.

5570005 1 MW 12:10-3:00  
 MEETS: AUG 26-DEC 20

CPTR MODL&VIR PHOTO ARTIS 308 3 CREDITS  
 Prereq: ARTIS 230 OR PERMISSION OF INSTRUCTOR  
 Note: COURSE RESTRICTED TO ARCH, ARC, ARTDN, ARTFA, ARTGR, ARTID, ARTIS, BPM I, DES, DSGNS, DSGN, C R P, I DES, IND D, L A, P ARC, P CRP, P GR, P BPMI, P ID, P IND, P ISA, P LA MAJORS

6423005 1 TR 9:30-12:30  
 MEETS: AUG 26-DEC 20

6423010 2 MW 5:10-8:00PM  
 MEETS: AUG 26-DEC 20

SOURCES VISUAL ART ARTIS 310 3 CREDITS  
 Prereq: ARTIS 230  
 Note: SEC 1 RESTRICTED TO ARTIS MAJORS ONLY

6432005 1 MW 3:10-5:20  
 MEETS: AUG 26-DEC 20

6432010 2 MW 3:10-5:20  
 MEETS: AUG 26-DEC 20  
 Note: SEC 2 RESTRICTED TO ARC, ARCH, ARTED, ART H, ARTDN, ARTGR, ARTID, C R P, DES, DSGN, DSGNS, I DES, IND D, L A MAJORS

SOURCES VISUAL DSGN ARTIS 310H 3- 4 CREDITS  
 Prereq: ART 230  
 Note: COURSE OPEN TO COLLEGE OF DESIGN MAJORS WHO ARE MEMBERS OF THE UNIVERSITY HONORS PROGRAM  
 Instructor permission required.

9379005 1 MW 3:10-5:20  
 MEETS: AUG 26-DEC 20

INTRO FURNITUR DSGN ARTIS 320 3 CREDITS  
 Prereq: ARTIS 202 OR PERMISSION OF INSTRUCTOR  
 Note: COURSE RESTRICTED TO ARTDN, ARTFA, ARTGR, ARTID, ARTIS, BPM I MAJORS  
 Instructor permission required 1st week.

1798005 1 TR 9:30-12:20  
 MEETS: AUG 26-DEC 20

INTMD CERAMCS STDIO ARTIS 322 3 CREDITS  
 Prereq: ARTIS 204 OR PERMISSION OF INSTRUCTOR  
 Note: COURSE RESTRICTED TO DESIGN COLLEGE MAJORS ONLY  
 Instructor permission required 1st week.

1799005 1 TR 1:10-4:00  
 MEETS: AUG 26-DEC 20

SCI ILLUST PRIN&TEC ARTIS 323 3 CREDITS  
 Prereq: DSN S 131, ARTIS 230, OR EQUIVALENT, AND 3 CREDITS IN BIOLOGICAL SCIENCES; OR PERMISSION OF INSTRUCTOR  
 Note: COURSE RESTRICTED TO ARTIS, BPM I MAJORS ONLY

6579005 1 TR 2:10-5:00  
 MEETS: AUG 26-DEC 20

JEWELR/METALSMTH II ARTIS 324 3 CREDITS  
 Prereq: ARTIS 203 OR PERMISSION OF INSTRUCTOR  
 Note: COURSE RESTRICTED TO COLLEGE OF DESIGN MAJORS  
 Instructor permission required 1st week.

7237005 1 MW 9:00-11:50  
 MEETS: AUG 26-DEC 20

ILLUSTR AS COMMUNIC ARTIS 327 3 CREDITS  
 Prereq: ARTIS 326/BPM I 326, OR PERMISSION OF INSTRUCTOR

7239005 1 MW 6:10-9:00PM  
 MEETS: AUG 26-DEC 20

CREATVE PHOTOGRAPHY ARTIS 329 3 CREDITS  
 Prereq: ARTIS 210 OR PERMISSION OF INSTRUCTOR  
 Note: COURSE RESTRICTED TO ARTFA, ARTIS MAJORS  
 Instructor permission required 1st week.

1801005 1 TR 9:30-12:20  
 MEETS: AUG 26-DEC 20

DRAW III: LIFE DRWNG ARTIS 330 3 CREDITS  
 Prereq: ARTIS 230  
 Note: COURSE RESTRICTED TO BPM I, PBPMI, AND COLLEGE OF DESIGN MAJORS  
 Instructor permission required 1st week.

1802005 1 TR 2:10-5:00  
 MEETS: AUG 26-DEC 20

1802010 2 MW 3:10-6:00PM  
 MEETS: AUG 26-DEC 20

PAINTING II ARTIS 338 3 CREDITS  
 Prereq: ARTIS 238 OR ARTIS 213 AND ARTIS 230  
 Note: Instructor permission required 1st week.

7832005 1 MW 1:10-4:00  
 MEETS: AUG 26-DEC 20

## INTEGRATED STUDIO ARTS (CONTINUED)

PRINTED TXITLE DSGN ARTIS 347 3 CREDITS  
Prereq: ARTIS 214 OR PERMISSION OF INSTRUCTOR  
Note: Instructor permission required 1st week.  
1809005 1 MW 9:00-11:50  
MEETS: AUG 26-DEC 20

RLF PRINTMAK:DG/TRD ARTIS 356 3- 4 CREDITS  
Prereq: ARTIS 206 AND CREDIT OR ENROLLMENT IN  
ARTIS 230, OR INSTRUCTOR PERMISSION  
Note: COURSE ONLY OFFERED FOR 3 CREDITS FALL 2019  
Instructor permission required 1st week.  
8869005 1 TR 2:10-5:00  
MEETS: AUG 26-DEC 20

PRIN 3D ANIMATION ARTIS 408 3 CREDITS  
Prereq: ARTIS 308  
Note: Instructor permission required 1st week.  
1834005 1 MW 1:10-4:00  
MEETS: AUG 26-DEC 20

ADV FURNITURE DSGN ARTIS 420 3 CREDITS  
Prereq: ARTIS 320  
Note: COURSE RESTRICTED TO ARTDN, ARTFA, ARTID,  
ARTIS MAJORS  
Instructor permission required 1st week.  
1838005 1 TR 9:30-12:20  
MEETS: AUG 26-DEC 20

CERAMICS STUDIO ARTIS 422 3 CREDITS  
Prereq: ARTIS 322  
Note: COURSE RESTRICTED TO ARTDN, ARTFA, ARTID,  
ARTIS MAJORS  
Instructor permission required 1st week.  
1839005 1 TR 3:10-6:00PM  
MEETS: AUG 26-DEC 20

JEWELR/METLSMTH III ARTIS 424 3 CREDITS  
Prereq: ARTIS 324 OR PERMISSION OF INSTRUCTOR  
Note: COURSE RESTRICTED TO COLLEGE OF DESIGN MAJORS  
Instructor permission required 1st week.  
7250005 1 MW 9:00-11:50  
MEETS: AUG 26-DEC 20

ADVANCD PHOTOGRAPHY ARTIS 429 3 CREDITS  
Prereq: ARTIS 329  
1836005 1 TR 9:30-12:20  
MEETS: AUG 26-DEC 20

ADVANCD PHOTOGRAPHY ARTIS 429H 3- 4 CREDITS  
Prereq: ARTIS 329  
Note: COURSE RESTRICTED TO MEMBERS OF THE UNIVERSITY  
HONORS PROGRAM  
Instructor permission required.  
7018005 1 TR 9:30-12:20  
MEETS: AUG 26-DEC 20

DRAWING ARTIS 430 3 CREDITS  
Prereq: ARTIS 330  
Note: COURSE RESTRICTED TO ARTDN, ARTFA, ARTGR,  
ARTIS, BPM I, PBPMI MAJORS  
Instructor permission required 1st week.  
1841005 1 TR 11:00-1:50  
MEETS: AUG 26-DEC 20

CHARACT&SCENE DSGN ARTIS 431 3 CREDITS  
Prereq: ISA MAJORS: DSN S 131, ARTIS 230,  
ARTIS 330. NON-ISA MAJORS: DSN S 131 AND PERMISSION  
OF INSTRUCTOR UPON PORTFOLIO REVIEW.  
9850005 1 TR 8:00-10:50  
MEETS: AUG 26-DEC 20

PAINTING III ARTIS 438 3 CREDITS  
Prereq: ARTIS 338  
Note: Instructor permission required 1st week.  
7833005 1 MW 1:10-4:00  
MEETS: AUG 26-DEC 20

PAINTING III ARTIS 438H 3- 4 CREDITS  
Prereq: ARTIS 338  
Note: COURSE RESTRICTED TO MEMBERS OF THE UNIVERSITY  
HONORS PROGRAM  
Instructor permission required.  
7147005 1 MW 1:10-4:00, ARRANGED  
MEETS: AUG 26-DEC 20

PRINTED TXITLE DSGN ARTIS 447 3 CREDITS  
Prereq: ARTIS 347 OR PERMISSION OF INSTRUCTOR  
9489005 1 MW 9:00-11:50  
MEETS: AUG 26-DEC 20

VIDEO ART ARTIS 473 3 CREDITS  
Prereq: ARTIS 212 OR PERMISSION OF INSTRUCTOR  
8279005 1 MW 10:00-12:50  
MEETS: AUG 26-DEC 20

## INTEGRATED STUDIO ARTS (CONTINUED)

INDEP STDY CERAMICS ARTIS 490B 1- 6 CREDITS  
Prereq: WRITTEN APPROVAL OF INSTR AND DEPT CHAIR  
ON REQ'D FORM IN ADVANCE OF SEMESTER OF ENROLLMENT  
Note: Instructor permission required 1st week.  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

IND ST COMPUTER A&D ARTIS 490C 1- 6 CREDITS  
Prereq: WRITTEN APPROVAL OF INSTR AND DEPT CHAIR  
ON REQUIRED FORM IN ADVANCE OF SEMESTER OF ENROLLMENT  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

INDEP STUDY DRAWING ARTIS 490D 1- 6 CREDITS  
Prereq: WRITTEN APPROVAL OF INSTR AND DEPT CHAIR  
ON REQUIRED FORM IN ADVANCE OF SEM OF ENROLLMENT  
Note: Instructor permission required 1st week.  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

INDEP STDY TEXTILES ARTIS 490E 1- 6 CREDITS  
Prereq: WRITTEN APPROVAL OF INSTR AND DEPT CHAIR  
ON REQ'D FORM IN ADVANCE OF SEMESTER OF ENROLLMENT  
Note: Instructor permission required 1st week.  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

IND ST ILLUSTRATION ARTIS 490F 1- 6 CREDITS  
Prereq: WRITTEN APPROVAL OF INSTR AND DEPT CHAIR  
ON REQUIRED FORM IN ADVANCE OF SEMESTER OF ENROLLMENT  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

INDEP STUDY METALS ARTIS 490G 1- 6 CREDITS  
Prereq: WRITTEN APPROVAL OF INSTR AND DEPT CHAIR  
ON REQ'D FORM IN ADVANCE OF SEMESTER OF ENROLLMENT  
Note: Instructor permission required 1st week.  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

INDEP STUDY HONORS ARTIS 490H 1- 6 CREDITS  
Prereq: WRITTEN APPROVAL OF INSTR AND DEPT CHAIR  
ON REQUIRED FORM IN ADVANCE OF SEMESTER OF ENROLLMNT.  
MEMBERSHIP IN UNIVERSITY HONORS PROGRAM.  
Note: COURSE RESTRICTED TO STUDENTS IN THE UNIVERSITY  
HONORS PROGRAM ONLY  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

INDEP STDY PAINTING ARTIS 490I 1- 6 CREDITS  
Prereq: WRITTEN APPROVAL OF INSTR AND DEPT CHAIR  
ON REQUIRED FORM IN ADVANCE OF SEM OF ENROLLMENT  
Note: Instructor permission required 1st week.  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

IND STU PHOTOGRAPHY ARTIS 490J 1- 6 CREDITS  
Prereq: WRITTEN APPROVAL OF INSTR AND DEPT CHAIR  
ON REQUIRED FORM IN ADVANCE OF SEMESTER OF ENROLLMENT  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

IND STU PRINTMAKING ARTIS 490K 1- 6 CREDITS  
Prereq: WRITTEN APPROVAL OF INSTR AND DEPT CHAIR  
ON REQUIRED FORM IN ADVANCE OF SEM OF ENROLLMENT  
Note: Instructor permission required 1st week.  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

INDEP STDY FURNITUR ARTIS 490L 1- 6 CREDITS  
Prereq: WRITTEN APPROVAL OF INSTR AND DEPT CHAIR  
ON REQ'D FORM IN ADVANCE OF SEMESTER OF ENROLLMENT  
Note: Instructor permission required 1st week.  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

IND STU MIXED MEDIA ARTIS 490M 1- 6 CREDITS  
Prereq: WRITTEN APPROVAL OF INSTR AND DEPT CHAIR  
ON REQUIRED FORM IN ADVANCE OF SEMESTER OF ENROLLMENT  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

STUDIO INTERNSHIP ARTIS 497 1- 6 CREDITS  
Satisfactory-Fail Only.  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

CPTR AID ANIMAT&VIS ARTIS 508 3 CREDITS  
Prereq: ARTIS 408 OR GRADUATE CLASSIFICATION  
AND PERMISSION OF INSTRUCTOR  
Note: COURSE RESTRICTED TO GRADUATE A V C, ARTGR,  
ARTID, ARTIS, IND D MAJORS  
Instructor permission required 1st week.  
8265005 1 MW 1:10-4:00  
MEETS: AUG 26-DEC 20

ADV FURNITURE DSGN ARTIS 520 3 CREDITS  
Prereq: GRAD CLASSIFICATION  
Note: COURSE RESTRICTED TO GRADUATE A V C, ARTGR,  
ARTID, ARTIS, IND D MAJORS  
Instructor permission required 1st week.  
1895005 1 TR 9:30-12:20  
MEETS: AUG 26-DEC 20

CERAMICS STUDIO ARTIS 522 3 CREDITS  
Prereq: GRAD CLASSIFICATION IN THE MFA PROGRAM IN  
INTEGRATED VISUAL ARTS; OR PERMISSION OF INSTRUCTOR  
Note: COURSE RESTRICTED TO GRADUATE A V C, ARTGR,  
ARTID, ARTIS, IND D MAJORS  
1896005 1 TR 3:10-6:00PM  
MEETS: AUG 26-DEC 20

INTEGRATED STUDIO ARTS (CONTINUED)

JEWEL&DEC METAL III ARTIS 524 3 CREDITS  
 Prereq: GRAD CLASSIFICATION IN THE MFA PROGRAM IN INTEGRATED VISUAL ARTS; OR PERMISSION OF INSTRUCTOR  
 Note: COURSE RESTRICTED TO GRADUATE A V C, ARTGR, ARTID, ARTIS, IND D MAJORS  
 Instructor permission required 1st week.  
 7255005 1 MW 9:00-11:50  
 MEETS: AUG 26-DEC 20

ADVANCED PHOTOGRAPHY ARTIS 529 3 CREDITS  
 Prereq: GRAD CLASSIFICATION, INSTRUCTOR PERMISSN  
 7399005 1 TR 9:30-12:20  
 MEETS: AUG 26-DEC 20

DRAWING ARTIS 530 3 CREDITS  
 Prereq: ARTIS 330  
 Note: COURSE RESTRICTED TO GRADUATE A V C, ARTGR, ARTID, ARTIS, IND D MAJORS  
 Instructor permission required 1st week.  
 7747005 1 TR 11:00-1:50  
 MEETS: AUG 26-DEC 20

CHARACT&SCENE DSGN ARTIS 531 3 CREDITS  
 Prereq: GRADUATE CLASSIFICATION AND INSTRUCTOR PERMISSION UPON PORTFOLIO REVIEW  
 9851005 1 TR 8:00-10:50  
 MEETS: AUG 26-DEC 20

ADVANCED PAINTING ARTIS 538 3 CREDITS  
 Prereq: GRADUATE CLASSIFICATION AND PERMISSION OF INSTRUCTOR  
 Note: Instructor permission required 1st week.  
 7826005 1 MW 1:10-4:00  
 MEETS: AUG 26-DEC 20

ADV PRINT TXTL DSGN ARTIS 547 3 CREDITS  
 Prereq: GRADUATE CLASSIFICATION  
 9488005 1 MW 9:00-11:50  
 MEETS: AUG 26-DEC 20

RELIEF PRINTMAKING ARTIS 556 3 CREDITS  
 Prereq: GRADUATE CLASSIFICATION OR INSTRUCTOR PERMISSION  
 Note: COURSE RESTRICTED TO GRADUATE STUDENTS IN ART  
 Instructor permission required 1st week.  
 8870005 1 TR 2:10-5:00  
 MEETS: AUG 26-DEC 20

VIDEO ART ARTIS 573 3 CREDITS  
 Prereq: GRAD STANDING OR PERMISSION OF INSTRUCTOR  
 2387005 1 MW 10:00-12:50  
 MEETS: AUG 26-DEC 20

SPL TOPICS CERAMICS ARTIS 590B VAR. CREDITS  
 Prereq: BACHELOR'S DEGREE IN ART AND/OR DSGN, OR EVIDENCE OF SATISFACTORY EQUIV IN SPECIALZD AREA. WRITTEN APPROVAL OF INSTR AND DEPT CHAIR ON REQUIRED FORM IN ADVANCE OF SEM OF ENROLLMT.  
 Note: COURSE RESTRICTED TO GRADUATE A V C, ARTGR, ARTID, ARTIS, IND D MAJORS  
 Instructor permission required 1st week.  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

SPL TOP COMPUTR A&D ARTIS 590C VAR. CREDITS  
 Prereq: BACHELOR'S DEGREE IN ART AND/OR DSGN, OR EVIDENCE OF SATISFACTORY EQUIV IN SPECIALZD AREA. WRITTEN APPROVAL OF INSTR AND DEPT CHAIR ON REQUIRED FORM IN ADVANCE OF SEM OF ENROLLMT.  
 Note: COURSE RESTRICTED TO GRADUATE A V C, ARTGR, ARTID, ARTIS, IND D MAJORS  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

SPCL TOPICS DRAWING ARTIS 590D VAR. CREDITS  
 Prereq: BACHELOR'S DEGREE IN ART AND/OR DSGN, OR EVIDENCE OF SATISFACTORY EQUIVALENCY IN SPECIALZD AREA. WRITTEN APPROVAL OF INSTRUCTOR AND DEPT CHAIR ON REQUIRED FORM IN ADVANCE OF SEMESTER OF ENROLLMT.  
 Note: COURSE RESTRICTED TO GRADUATE A V C, ARTGR, ARTID, ARTIS, IND D MAJORS  
 Instructor permission required 1st week.  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

SPCL TOPCS TEXTILES ARTIS 590E VAR. CREDITS  
 Prereq: BACHELOR'S DEGREE IN ART AND/OR DSGN, OR EVIDENCE OF SATISFACTORY EQUIV IN SPECIALZD AREA. WRITTEN APPROVAL OF INSTR AND DEPT CHAIR ON REQUIRED FORM IN ADVANCE OF SEM OF ENROLLMT.  
 Note: COURSE RESTRICTED TO GRADUATE A V C, ARTGR, ARTID, ARTIS, IND D MAJORS  
 Instructor permission required 1st week.  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

SPL TOPC ILLUSTRATN ARTIS 590F VAR. CREDITS  
 Prereq: BACHELOR'S DEGREE IN ART AND/OR DSGN, OR EVIDENCE OF SATISFACTORY EQUIV IN SPECIALZD AREA. WRITTEN APPROVAL OF INSTR AND DEPT CHAIR ON REQUIRED FORM IN ADVANCE OF SEM OF ENROLLMT.  
 Note: COURSE RESTRICTED TO GRADUATE A V C, ARTGR, ARTID, ARTIS, IND D MAJORS  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

INTEGRATED STUDIO ARTS (CONTINUED)

SPCL TOPICS METALS ARTIS 590G VAR. CREDITS  
 Prereq: BACHELOR'S DEGREE IN ART AND/OR DSGN, OR EVIDENCE OF SATISFACTORY EQUIV IN SPECIALZD AREA. WRITTEN APPROVAL OF INSTR AND DEPT CHAIR ON REQUIRED FORM IN ADVANCE OF SEM OF ENROLLMT.  
 Note: COURSE RESTRICTED TO GRADUATE A V C, ARTGR, ARTID, ARTIS, IND D MAJORS  
 Instructor permission required 1st week.  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

SPL TOPICS PAINTING ARTIS 590I VAR. CREDITS  
 Prereq: BACHELOR'S DEGREE IN ART AND/OR DSGN, OR EVIDENCE OF SATISFACTORY EQUIV IN SPECIALZD AREA. WRITTEN APPROVAL OF INSTR AND DEPT CHAIR ON REQUIRED FORM IN ADVANCE OF SEM OF ENROLLMT.  
 Note: COURSE RESTRICTED TO GRADUATE A V C, ARTGR, ARTID, ARTIS, IND D MAJORS  
 Instructor permission required 1st week.  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

SPL TOP PHOTOGRAPHY ARTIS 590J VAR. CREDITS  
 Prereq: BACHELOR'S DEGREE IN ART AND/OR DSGN, OR EVIDENCE OF SATISFACTORY EQUIV IN SPECIALZD AREA. WRITTEN APPROVAL OF INSTR AND DEPT CHAIR ON REQUIRED FORM IN ADVANCE OF SEM OF ENROLLMT.  
 Note: COURSE RESTRICTED TO GRADUATE A V C, ARTGR, ARTID, ARTIS, IND D MAJORS  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

SPL TOP PRINTMAKING ARTIS 590K VAR. CREDITS  
 Prereq: BACHELOR'S DEGREE IN ART AND/OR DSGN, OR EVIDENCE OF SATISFACTORY EQUIV IN SPECIALZD AREA. WRITTEN APPROVAL OF INSTR AND DEPT CHAIR ON REQUIRED FORM IN ADVANCE OF SEM OF ENROLLMT.  
 Note: COURSE RESTRICTED TO GRADUATE A V C, ARTGR, ARTID, ARTIS, IND D MAJORS  
 Instructor permission required 1st week.  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

SPCL TOPCS FURNITUR ARTIS 590L VAR. CREDITS  
 Prereq: BACHELOR'S DEGREE IN ART AND/OR DSGN, OR EVIDENCE OF SATISFACTORY EQUIV IN SPECIALZD AREA. WRITTEN APPROVAL OF INSTR AND DEPT CHAIR ON REQUIRED FORM IN ADVANCE OF SEM OF ENROLLMT.  
 Note: COURSE RESTRICTED TO GRADUATE A V C, ARTGR, ARTID, ARTIS, IND D MAJORS  
 Instructor permission required 1st week.  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

SPL TOP MIXED MEDIA ARTIS 590M VAR. CREDITS  
 Prereq: BACHELOR'S DEGREE IN ART AND/OR DSGN, OR EVIDENCE OF SATISFACTORY EQUIV IN SPECIALZD AREA. WRITTEN APPROVAL OF INSTR AND DEPT CHAIR ON REQUIRED FORM IN ADVANCE OF SEM OF ENROLLMT.  
 Note: COURSE RESTRICTED TO GRADUATE A V C, ARTGR, ARTID, ARTIS, IND D MAJORS  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

RESEARCH: THESIS ARTIS 699A VAR. CREDITS  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

RESRCH:THESIS EXHIB ARTIS 699B VAR. CREDITS  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

**INTERDISCIPLINARY GRADUATE STUDIES**

CREATIVE COMPONENT IGS 599 VAR. CREDITS  
 4480005 1 ARRANGED  
 MEETS: AUG 26-DEC 20

THESIS RESEARCH IGS 699 VAR. CREDITS  
 4481005 1 ARRANGED  
 MEETS: AUG 26-DEC 20

**INTERIOR DESIGN**

FUND INTERIOR DSGN ARTID 250 2 CREDITS  
 6589005 1A MW 9:00-9:50  
 MEETS: AUG 26-DEC 20  
 Note: SECTION 1A RESTRICTED TO ARTID MAJORS  
 6589010 1B MW 9:00-9:50  
 MEETS: AUG 26-DEC 20  
 Note: SECTION 1B RESTRICTED TO MAJORS OTHER THAN ARTID

HUMN FACTRS IN DSGN ARTID 251 3 CREDITS  
 2061005 1 TR 8:00-9:20  
 MEETS: AUG 26-DEC 20  
 Note: SEC 1 RESTRICTED TO ARTID MAJORS ONLY  
 2061010 2 TR 8:00-9:20  
 MEETS: AUG 26-DEC 20  
 Note: SEC 2 RESTRICTED TO MAJORS OTHER THAN ARTID

GRAPH COM INT DSN I ARTID 261 3 CREDITS  
 Prereq: ADMISSION TO THE INTERIOR DESIGN PROGRAM THROUGH PROGRAM REVIEW AND ENROLLMENT IN 265  
 Note: COURSE RESTRICTED TO ARTID MAJORS ONLY  
 7885005 1 MW 1:10-2:00  
 MW 2:10-4:00  
 MEETS: AUG 26-DEC 20  
 7885010 2 MW 1:10-2:00  
 MW 2:10-4:00  
 MEETS: AUG 26-DEC 20



## INTERIOR DESIGN

(CONTINUED)

GRAPH COM INT DSN I ARTID 261 3 CREDITS  
 7885015 3 MW 1:10-2:00  
 MW 2:10-4:00  
 MEETS: AUG 26-DEC 20  
 7885020 4 MW 1:10-2:00  
 MW 2:10-4:00  
 MEETS: AUG 26-DEC 20

INT DESIGN STUDIO I ARTID 265 4 CREDITS  
 Prereq: CREDIT OR ENROLLMENT IN ARTID 250 AND  
 ARTID 261; ADMISSION TO THE INTERIOR DESIGN PROGRAM  
 THROUGH PROGRAM REVIEW

Note: COURSE RESTRICTED TO ARTID MAJORS. STUDENTS  
 ARE PLACED INTO SECTIONS BY THE DEPARTMENT.  
 Instructor permission required 1st week.

1784005 1 T 11:00-11:50  
 TR 12:10-3:00  
 MEETS: AUG 26-DEC 20  
 1784010 2 T 11:00-11:50  
 TR 12:10-3:00  
 MEETS: AUG 26-DEC 20  
 1784015 3 T 11:00-11:50  
 TR 12:10-3:00  
 MEETS: AUG 26-DEC 20  
 1784020 4 T 11:00-11:50  
 TR 12:10-3:00  
 MEETS: AUG 26-DEC 20

INT BLDG SYS&TAILS ARTID 353 3 CREDITS

Note: COURSE RESTRICTED TO ARTID MAJORS

7731005 1 TR 3:40-5:00  
 MEETS: AUG 26-DEC 20

INT DSGN STUDIO III ARTID 365 4 CREDITS

Prereq: ARTID 263, ARTID 267. CONCURRENT  
 ENROLLMENT IN ARTID 359.

Note: COURSE RESTRICTED TO ARTID MAJORS  
 Instructor permission required 1st week.

1815005 1 M 8:00-8:50  
 MW 9:00-11:50  
 MEETS: AUG 26-DEC 20  
 1815010 2 M 8:00-8:50  
 MW 9:00-11:50  
 MEETS: AUG 26-DEC 20

INT DESIGN STUDIO V ARTID 465 4 CREDITS

Prereq: ARTID 460, OR PERMISSION OF INSTRUCTOR,  
 AND ENROLLMENT IN ARTID 459

Note: COURSE RESTRICTED TO ARTID MAJORS  
 Instructor permission required 1st week.

1851005 1 M 12:10-1:00  
 MW 1:10-4:00  
 MEETS: AUG 26-DEC 20  
 1851010 2 M 12:10-1:00  
 MW 1:10-4:00  
 MEETS: AUG 26-DEC 20  
 1851015 3 M 12:10-1:00  
 MW 1:10-4:00  
 MEETS: AUG 26-DEC 20  
 1851020 4 M 12:10-1:00  
 MW 1:10-4:00  
 MEETS: AUG 26-DEC 20

INDEPENDENT STUDY ARTID 490 1- 6 CREDITS

Prereq: WRITTEN APPROVAL OF INSTR AND DEPT CHAIR  
 ON REQUIRED FORM IN ADVANCE OF SEMESTER OF ENROLLMENT

Note: COURSE RESTRICTED TO ARTID MAJORS  
 \*\*\*\*\*  
 SEE DEPT FOR REFERENCE NUMBERS

INDEP STUDY HONORS ARTID 490H 1- 6 CREDITS

Prereq: WRITTEN APPROVAL OF INSTR AND DEPT CHAIR  
 ON REQUIRED FORM IN ADVANCE OF SEMESTER OF ENROLLMENT  
 MEMBERSHIP IN UNIV HONORS PROGRAM

Note: COURSE RESTRICTED TO ARTID MAJORS WHO ARE  
 IN THE UNIVERSITY HONORS PROGRAM  
 \*\*\*\*\*  
 SEE DEPT FOR REFERENCE NUMBERS

DSGN HUMANC SENSORY ARTID 551A 3 CREDITS

Prereq: INSTRUCTOR PERMISSION

8255005 1 TR 6:00-7:30PM  
 MEETS: AUG 26-DEC 20

INTERR DSN STUDIO V ARTID 565 4 CREDITS

Prereq: GRAD CLASSIFICATN, INSTRUCTOR PERMISSION

Note: Instructor permission required 1st week.

1906005 1 M 12:10-1:00  
 MW 1:10-4:00  
 MEETS: AUG 26-DEC 20  
 1906010 2 M 12:10-1:00  
 MW 1:10-4:00  
 MEETS: AUG 26-DEC 20  
 1906015 3 M 12:10-1:00  
 MW 1:10-4:00  
 MEETS: AUG 26-DEC 20  
 1906020 4 M 12:10-1:00  
 MW 1:10-4:00  
 MEETS: AUG 26-DEC 20

## INTERIOR DESIGN

(CONTINUED)

ADV STDI:SUSTBL TEC ARTID 569C 3 CREDITS

Prereq: GRADUATE CLASSIFICATION OR PERMISSION OF

INSTRUCTOR

Note: COURSE RESTRICTED TO SENIORS AND GRAD STUDENTS

TOPIC: LIGHTING  
 1723005 1 TR 8:00-9:20  
 MEETS: AUG 26-DEC 20

ADV STUDI INT DSIGN ARTID 569D 3 CREDITS

Prereq: GRADUATE CLASSIFICATION OR PERMISSION OF

INSTRUCTOR

Note: COURSE RESTRICTED TO SENIORS AND GRAD STUDENTS

TOPIC: PRESERVATION  
 1754005 1 TR 9:30-10:50  
 MEETS: AUG 26-DEC 20

SPECIAL TOPICS ARTID 590 VAR. CREDITS

Prereq: BACHELOR'S DEGREE IN INTERIOR DSGN

OR EVIDENCE OF SATISFACTORY EQUIV IN SPECIALZD

AREA. WRITTEN APPROVAL OF INSTR & DEPT CHAIR

ON REQUIRED FORM IN ADVANCE OF SEM OF ENROLLMT.

Note: COURSE RESTRICTED TO GRADUATE A V C, ARTGR,

ARTID, ARTIS, IND D MAJORS  
 \*\*\*\*\*  
 SEE DEPT FOR REFERENCE NUMBERS

CREATIVE COMPONENT ARTID 599 VAR. CREDITS

\*\*\*\*\*  
 SEE DEPT FOR REFERENCE NUMBERS

RESEARCH METHODS ARTID 660 3 CREDITS

Prereq: PERMISSION OF INSTRUCTOR

2067005 1 M 5:10-8:00PM  
 MEETS: AUG 26-DEC 20

ADV EXPERMTL INT DS ARTID 668 4 CREDITS

Prereq: GRADUATE CLASSIFICATION AND PERMISSION OF

INSTRUCTOR

8248005 1 T 11:00-12:30  
 TR 12:40-3:40  
 MEETS: AUG 26-DEC 20

ADVANCED TOPICS ARTID 690 VAR. CREDITS

Prereq: MFA CLASSIFICATION, PERMISSION OF INSTR

Note: COURSE RESTRICTED TO GRADUATE A V C, ARTGR,

ARTID, ARTIS, IND D MAJORS  
 \*\*\*\*\*  
 SEE DEPT FOR REFERENCE NUMBERS

RESEARCH: THESIS ARTID 699A VAR. CREDITS

Note: COURSE RESTRICTED TO ARTID GRADUATE MAJORS

\*\*\*\*\*  
 SEE DEPT FOR REFERENCE NUMBERS

RESEARCH:THESIS-EXH ARTID 699B VAR. CREDITS

Note: COURSE RESTRICTED TO ARTID GRADUATE MAJORS

\*\*\*\*\*  
 SEE DEPT FOR REFERENCE NUMBERS

**INTERNATIONAL STUDIES**

INTRO INT'L STUDIES INTST 235 3 CREDITS

Note: Meets international perspectives reqmt

9582005 1 TR 12:40-2:00  
 MEETS: AUG 26-DEC 20  
 9582010 2 TR 11:00-12:20  
 MEETS: AUG 26-DEC 20  
 9582015 3 MWF 1:10-2:00  
 MEETS: AUG 26-DEC 20

INDEPENDENT STUDY INTST 490 1- 3 CREDITS

Prereq: PERMISSION OF INTERNATIONAL STUDIES

DIRECTOR AND FACULTY SUPERVISOR

Note: NO MORE THAN 3 CREDITS IN INTST 490 MAY BE USED  
 TOWARD GRADUATION IN THE INTERNATIONAL STUDIES MAJOR  
 OR MINOR

3719005 1 ARRANGED  
 MEETS: AUG 26-DEC 20

Note: Permission of department chair required.

**ITALIAN**

INTENS BEGN ITALIAN ITAL 107 4 CREDITS

9528005 1 MTWR 10:00-10:50  
 MEETS: AUG 26-DEC 20

**JOURNALISM & MASS COMMUNICATION**

MASS MEDIA & SOCIETY JL MC 101 3 CREDITS

4656005 1A MWF 8:00-8:50  
 MEETS: AUG 26-DEC 20

Note: SEC 1A RESTRICTED TO ADVRT, JL MC, P R  
 MAJORS ONLY

4656010 1B MWF 8:00-8:50  
 MEETS: AUG 26-DEC 20

Note: SEC 1B RESTRICTED TO MAJORS OTHER THAN  
 ADVRT, JL MC, P R

## JOURNALISM &amp; MASS COMMUNICATION (CONTINUED)

JOURNLS&COMM ORIENT JL MC 110 1 CREDIT  
Satisfactory-Fail Only.  
4657005 1 T 8:00-9:20  
MEETS: AUG 26-DEC 20  
4657010 2 R 8:00-9:20  
MEETS: AUG 26-DEC 20  
4657015 3 T 9:30-10:50  
MEETS: AUG 26-DEC 20  
Note: SEC 3 RESTRICTED TO MAJORS IN THE  
COLLEGE OF AGRICULTURE AND LIFE SCIENCES  
4657020 4 R 9:30-10:50  
MEETS: AUG 26-DEC 20

REPORT&WRIT MASS MD JL MC 201 3 CREDITS  
Prereq: CLASSIFICATION IN A GREENLEE SCHOOL  
MAJOR OR PERMISSION OF DEPARTMENT; PASS DEPARTMENTAL  
ASSESSMENT EXAM IN LANGUAGE SKILLS BEFORE REGISTERNG;  
ENGL 250; CREDIT OR ENROLLMENT IN JL MC 110  
Note: COURSE RESTRICTED TO JL MC, ADVRT, P R MAJORS  
4658005 1 MW 8:00-9:50, ARRANGED  
MEETS: AUG 26-DEC 20  
4658015 2 MW 10:00-11:50  
ARRANGED  
MEETS: AUG 26-DEC 20  
4658020 3 MW 10:00-11:50  
ARRANGED  
MEETS: AUG 26-DEC 20  
4658025 4 TR 10:00-11:50  
ARRANGED  
MEETS: AUG 26-DEC 20  
4658030 5 TR 2:10-4:00, ARRANGED  
MEETS: AUG 26-DEC 20  
4658035 6 MW 2:10-4:00, ARRANGED  
MEETS: AUG 26-DEC 20

JOURNALISM PRINCIPLES JL MC 240 3 CREDITS  
1294005 1 MWF 12:10-1:00  
MEETS: AUG 26-DEC 20

VISUAL PRIN MASS CM JL MC 242 3 CREDITS  
4673005 1A MWF 11:00-11:50  
MEETS: AUG 26-DEC 20  
Note: SEC 1A RESTRICTED TO ADVRT, JL MC, P R MAJORS  
Syllabus: <http://www.jlmc.iastate.edu/undergrad/syllabi.html>  
4673010 1B MWF 11:00-11:50  
MEETS: AUG 26-DEC 20  
Note: SEC 1B RESTRICTED TO MAJORS OTHER THAN  
ADVRT, JL MC, P R MAJORS  
Syllabus: <http://www.jlmc.iastate.edu/undergrad/syllabi.html>

INT REPORT MASS MED JL MC 302 3 CREDITS  
Prereq: JL MC 110; JL MC 201 WITH A GRADE  
OF C+ OR BETTER  
Note: COURSE RESTRICTED TO ADVRT, JL MC, P R  
MAJORS ONLY  
4659005 1 MW 12:10-2:00  
MEETS: AUG 26-DEC 20

BROADCAST WRIT&RPRT JL MC 303 3 CREDITS  
Prereq: JL MC 110; JL MC 201 WITH A GRADE  
OF C+ OR BETTER  
Note: COURSE RESTRICTED TO ADVRT, JL MC, P R  
MAJORS ONLY  
8511005 1 MW 8:00-9:50  
MEETS: AUG 26-DEC 20

BROADCAST PRODUCTN JL MC 306 3 CREDITS  
Prereq: C+ OR BETTER IN JL MC 201  
Note: COURSE RESTRICTED TO JL MC, ADVRT, P R MAJORS  
8513005 1 TR 2:10-4:00  
MEETS: AUG 26-DEC 20

DIGITL VIDEO PRODUC JL MC 307 3 CREDITS  
Note: SEC 1A, 2A ECT RESTRICTED TO ADVRT, JL MC,  
P R MAJORS ONLY. SEC 1B, 2B ETC FOR MAJORS OTHER  
THAN ADVRT, JL MC, P R  
4727005 1A MW 12:10-1:00  
F 8:00-9:50  
MEETS: AUG 26-DEC 20  
4727010 1B MW 12:10-1:00  
F 8:00-9:50  
MEETS: AUG 26-DEC 20  
4727015 2A MW 12:10-1:00  
F 10:00-11:50  
MEETS: AUG 26-DEC 20  
4727020 2B MW 12:10-1:00  
F 10:00-11:50  
MEETS: AUG 26-DEC 20  
4727025 3A MW 12:10-1:00  
F 12:10-2:00  
MEETS: AUG 26-DEC 20  
4727030 3B MW 12:10-1:00  
F 12:10-2:00  
MEETS: AUG 26-DEC 20

## JOURNALISM &amp; MASS COMMUNICATION (CONTINUED)

GATHER BRDCAST NEWS JL MC 308 3 CREDITS  
Prereq: C+ OR BETTER IN JL MC 201  
Note: COURSE RESTRICTED TO JL MC, ADVRT, P R MAJORS  
4665005 1 MW 2:10-4:00, ARRANGED  
MEETS: AUG 26-DEC 20

FUND PHOTOJOURNALISM JL MC 310 3 CREDITS  
Prereq: C+ OR BETTER IN JL MC 201  
Note: EQUIPMENT PURCHASE MAY BE REQUIRED.  
RESTRICTED TO ADVRT, JL MC, P R MAJORS ONLY.  
8688005 1 TR 12:10-2:00  
MEETS: AUG 26-DEC 20

ADV TECNQ PHOTOJRNL JL MC 312 3 CREDITS  
Prereq: JL MC 310 OR PERMISSION OF INSTRUCTOR  
9007005 1 MW 12:10-2:00  
MEETS: AUG 26-DEC 20

MULTIMEDIA PRODUCTN JL MC 315 3 CREDITS  
Prereq: JL MC 308 OR JL MC 310 OR JL MC 316 OR  
EQUIVALENT COMPUTER DESIGN PROFICIENCY  
Note: COURSE RESTRICTED TO JL MC, ADVRT, P R MAJORS  
4663005 1 MW 10:00-11:50  
MEETS: AUG 26-DEC 20

INTRO DIGITL PUBLISH JL MC 316 3 CREDITS  
Prereq: CREDIT OR ENROLLMENT IN JL MC 242  
AND C+ OR BETTER IN JL MC 201  
5325005 1 MW 2:10-3:50  
MEETS: AUG 26-DEC 20  
5325010 2 TR 8:00-9:40  
MEETS: AUG 26-DEC 20  
5325015 3 TR 10:00-11:40  
MEETS: AUG 26-DEC 20

FEATURE WRITING JL MC 344 3 CREDITS  
Prereq: C+ OR BETTER IN JL MC 302, JL MC 303 OR  
P R 321  
Note: CREDIT FOR EITHER JL MC 344 OR ENGL 303, BUT  
NOT BOTH, MAY BE APPLIED TOWARD JL MC AND ADVRT  
DEGREE REQUIREMENTS. COURSE RESTRICTED TO JL MC,  
ADVRT, P R MAJORS ONLY.  
4674005 1 TR 8:00-9:40  
MEETS: AUG 26-DEC 20

PUBL AFFAIRS REPORT JL MC 346 3 CREDITS  
Prereq: C+ OR BETTER IN JL MC 302, JL MC 303 OR  
P R 321  
4675005 1 TR 10:00-11:40  
MEETS: AUG 26-DEC 20

SCIENCE COMMUNICATN JL MC 347 3 CREDITS  
Prereq: C+ OR BETTER IN JL MC 302, JL MC 303 OR  
P R 321. NONMAJORS AND MINORS BY PERMISSION OF  
INSTRUCTOR.  
Note: COURSE RESTRICTED TO JUNIORS AND SENIORS ONLY  
4676005 1 MW 3:10-5:00  
MEETS: AUG 26-DEC 20

NEWS&FEATUR EDITING JL MC 349 3 CREDITS  
Prereq: C+ OR BETTER IN JL MC 302, JL MC 303 OR  
P R 321  
Note: COURSE RESTRICTED TO JL MC, ADVRT, P R MAJORS  
4677005 1 TR 2:10-4:00  
MEETS: AUG 26-DEC 20

DIGITAL NEWSROOM JL MC 414X 3 CREDITS  
Prereq: JL MC 344 OR 346 OR 347; C+ OR BETTER IN  
JL MC 202 OR JL MC 206  
0241005 1 MW 10:00-11:50  
MEETS: AUG 26-DEC 20

MASS COMMUNICAT LAW JL MC 460 3 CREDITS  
Prereq: JL MC 110, C+ OR BETTER IN JL MC 201,  
JUNIOR CLASSIFICATION, NONMAJORS MUST HAVE PERMISSION  
OF THE DEPARTMENT  
Note: COURSE RESTRICTED TO ADVRT, JL MC, P R JUNIORS  
AND SENIORS  
4688005 1 MWF 8:00-8:50  
MEETS: AUG 26-DEC 20  
4688010 2 MWF 10:00-10:50  
MEETS: AUG 26-DEC 20

MEDIA ETHICS,FREEDM JL MC 462 3 CREDITS  
Prereq: JL MC 110, C+ OR BETTER IN JL MC 201,  
CLASSIFICATION IN A GREENLEE SCHOOL MAJOR  
4690005 1 MWF 9:00-9:50  
MEETS: AUG 26-DEC 20  
4690010 2 MWF 12:10-1:00  
MEETS: AUG 26-DEC 20

INDEP STDY CMUNCATN JL MC 490 VAR. CREDITS  
Prereq: JUNIOR CLASSIFICATION AND CONTRACT WITH  
SUPERVISING PROFESSOR TO REGISTER  
Note: NO MORE THAN 3 CREDITS OF ADVRT 490 OR JL MC 490  
OR P R 490 MAY BE APPLIED TOWARD A DEGREE IN THE  
GREENLEE SCHOOL  
\*\*\*\*\*  
SEE DEPT FOR REFERENCE NUMBERS

JOURNALISM & MASS COMMUNICATION (CONTINUED)

SPL TOPC MAGZN PUBL JL MC 497C 3 CREDITS  
 Prereq: JUNIOR CLASSIFICATION  
 Note: CONTEMPORARY MAGAZINE PUBLISHING  
 0149005 1 TR 12:40-2:00  
 MEETS: AUG 26-DEC 20

SPL TP FIRST AMENDM JL MC 497D 3 CREDITS  
 Prereq: JUNIOR CLASSIFICATION  
 Note: TOPIC: FIRST AMENDMENT FREEDOM &  
 CONFLICTS: KNOW YOUR RIGHTS  
 0151005 1 MW 2:10-3:30  
 MEETS: AUG 26-DEC 20

SP TP SPRT&MDIA,DIG JL MC 497K 3 CREDITS  
 Prereq: JUNIOR CLASSIFICATION  
 Note: TOPIC: SPORTS & THE MEDIAIN A DIGITAL  
 24/7 WORLD  
 0153005 1 TR 2:10-3:30  
 MEETS: AUG 26-DEC 20

PRO MDIA INTERN:REQ JL MC 499A 3 CREDITS  
 Prereq: JL MC 110, FORMAL FACULTY ADVISR APPROVAL  
 JL MC MAJORS: C+ OR BETTER IN JL MC 302 OR JL MC 306  
 ADVRT MAJORS: C+ OR BETTER IN JL MC 201 AND ADVRT 301  
 P R MAJORS: P R 301, C+ OR BETTER IN P R 321  
 Note: NO MORE THAN 6 CREDITS OF 499, 499A AND 499B FROM  
 THE GREENLEE SCHOOL MAY BE APPLIED TOWARD GRADUATION  
 Department permission required.  
 Satisfactory-Fail Only.  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

PRO MDIA INTERN:OPT JL MC 499B 1- 3 CREDITS  
 Prereq: JL MC 110, FORMAL FACULTY ADVISR APPROVAL  
 JL MC MAJORS: C+ OR BETTER IN JL MC 302 OR JL MC 306  
 ADVRT MAJORS: C+ OR BETTER IN JL MC 201 AND ADVRT 301  
 P R MAJORS: P R 301, C+ OR BETTER IN P R 321  
 Note: NO MORE THAN 6 CREDITS OF 499, 499A AND 499B FROM  
 THE GREENLEE SCHOOL MAY BE APPLIED TOWARD GRADUATION  
 Department permission required.  
 Satisfactory-Fail Only.  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

THEORIES MASS COMM JL MC 501 3 CREDITS  
 Prereq: GRADUATE CLASSIFICATION OR PERMISSION  
 OF INSTRUCTOR  
 4725005 1 R 2:10-5:00  
 MEETS: AUG 26-DEC 20  
 Syllabus: <http://www.jlmc.iastate.edu/undergrad/syllabi.html>

FUND CMM RSRCH MTHD JL MC 502 3 CREDITS  
 Prereq: CREDIT OR ENROLLMENT IN JL MC 501  
 4726005 1 TR 12:40-2:00  
 MEETS: AUG 26-DEC 20

SCIENCE COMMUNICATN JL MC 547 3 CREDITS  
 Prereq: GRADUATE CLASSIFICATION. NONMAJORS  
 AND MINORS MUST HAVE PERMISSION OF INSTRUCTOR.  
 7316005 1 MW 3:10-5:00  
 MEETS: AUG 26-DEC 20

SP TOP MEDIA STUDIE JL MC 590A VAR. CREDITS  
 Prereq: PERMISSION OF INSTRUCTOR  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

SPL TOP PRO SPICALZ JL MC 590B VAR. CREDITS  
 Prereq: PERMISSION OF INSTRUCTOR  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

SPCL TOP RSRCH MTHD JL MC 590C VAR. CREDITS  
 Prereq: PERMISSION OF INSTRUCTOR  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

SP TOP TECHNQ&STYLE JL MC 590D VAR. CREDITS  
 Prereq: PERMISSION OF INSTRUCTOR  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

SP TOP SPLZ COMMUNC JL MC 590E VAR. CREDITS  
 Prereq: PERMISSION OF INSTRUCTOR  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

PROFESNL INTERNSHIP JL MC 591 1- 2 CREDITS  
 Prereq: PERMISSION OF INSTRUCTOR  
 Satisfactory-Fail Only.  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

INTR GRAD STU JRNL5 JL MC 592 1 CREDIT  
 Prereq: GRADUATE CLASSIFICATION IN JL MC  
 8072005 1 T 5:10-6:00PM  
 MEETS: AUG 26-DEC 20

SEM CPTR MEDIAT CMM JL MC 598P 1- 3 CREDITS  
 Prereq: GRADUATE CLASSIFICATION OR PERMISSION  
 OF INSTRUCTOR  
 8402005 1 MW 12:30-2:00  
 MEETS: AUG 26-DEC 20  
 Note: SEC 1 TOPIC: BIG DATA & SOCIETY

JOURNALISM & MASS COMMUNICATION (CONTINUED)

CREATIVE COMPONENT JL MC 599 VAR. CREDITS  
 Prereq: APPROVED CREDIT COMPONENT PROPOSAL  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

THESIS RESEARCH JL MC 699 VAR. CREDITS  
 Prereq: APPROVED THESIS PROPOSAL  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

**KINESIOLOGY**

SWIMMING I KIN 101 1 CREDIT  
 Satisfactory-Fail Only.  
 5660005 1 TR 9:30-10:45  
 MEETS: AUG 26-DEC 20

SWIMMING II KIN 102 1 CREDIT  
 Prereq: KIN 101 OR EQUIVALENT SKILL  
 Satisfactory-Fail Only.  
 5661005 1 TR 11:00-12:15  
 MEETS: AUG 26-DEC 20

AQUATIC FITNESS KIN 108 1 CREDIT  
 Prereq: KIN 102 OR EQUIVALENT SKILL  
 Satisfactory-Fail Only.  
 5665005 1 TR 12:40-1:55  
 MEETS: AUG 26-DEC 20

BADMINTON KIN 122 1 CREDIT  
 Satisfactory-Fail Only.  
 5671005 1 MWF 9:00-10:15  
 MEETS: OCT 21-DEC 20  
 5671010 2 MWF 10:30-11:45  
 MEETS: OCT 21-DEC 20

BOWLING KIN 129 1 CREDIT  
 Satisfactory-Fail Only.  
 5675005 1 MW 9:00-9:50  
 MEETS: AUG 26-DEC 20  
 5675010 2 MW 10:00-10:50  
 MEETS: AUG 26-DEC 20  
 5675015 3 TR 9:30-10:20  
 MEETS: AUG 26-DEC 20  
 5675020 4 TR 11:00-11:50  
 MEETS: AUG 26-DEC 20

GOLF KIN 135 1 CREDIT  
 Satisfactory-Fail Only.  
 5678005 1 MWF 8:00-9:20  
 MEETS: AUG 26-OCT 18  
 5678010 2 MWF 9:30-10:50  
 MEETS: AUG 26-OCT 18  
 5678015 3 MWF 11:00-12:20  
 MEETS: AUG 26-OCT 18

RACQUETBALL KIN 144 1 CREDIT  
 Satisfactory-Fail Only.  
 5683005 1 MW 9:00-9:50  
 MEETS: AUG 26-DEC 20  
 5683010 2 MW 10:00-10:50  
 MEETS: AUG 26-DEC 20

ICE SKATING KIN 153 1 CREDIT  
 Note: COURSE TAUGHT AT AMES/ISU ICE ARENA, SOUTHEAST OF  
 THE TOWERS. MUST ALLOW EXTRA TIME BETWEEN THIS AND  
 OTHER CLASSES FOR TRAVEL TO AND FROM AMES/ISU ICE  
 ARENA. MUST PROVIDE OWN TRANSPORTATION.  
 Satisfactory-Fail Only.  
 5689005 1 TR 1:10-3:00  
 MEETS: OCT 21-DEC 20

TENNIS KIN 158 1 CREDIT  
 Satisfactory-Fail Only.  
 5690005 1 MWF 8:00-9:20  
 MEETS: AUG 26-OCT 18  
 5690010 2 MWF 9:30-10:50  
 MEETS: AUG 26-OCT 18  
 5690015 3 MWF 11:00-12:20  
 MEETS: AUG 26-OCT 18  
 5690020 4 MWF 12:40-2:00  
 MEETS: AUG 26-OCT 18

PHYSICAL FITNESS KIN 163 1 CREDIT  
 Note: CREDIT FOR EITHER KIN 163 OR KIN 258, BUT  
 NOT BOTH, MAY BE APPLIED TOWARD GRADUATION  
 Satisfactory-Fail Only.  
 5694005 1 MW 8:00-8:50  
 MEETS: AUG 26-DEC 20

WALKING FOR FITNESS KIN 164 1 CREDIT  
 Satisfactory-Fail Only.  
 8867005 1 MWF 11:00-12:05  
 MEETS: AUG 26-OCT 18  
 8867010 2 TR 9:30-11:05  
 MEETS: AUG 26-OCT 18  
 8867015 3 TR 11:00-12:35  
 MEETS: AUG 26-OCT 18

KINESIOLOGY (CONTINUED)

KINESIOLOGY (CONTINUED)

RUNNING FOR FITNESS KIN 165 1 CREDIT  
 Satisfactory-Fail Only.  
 5343005 1 MWF 8:00-9:20  
 MEETS: AUG 26-OCT 18

WEIGHT TRAINING KIN 166 1 CREDIT  
 Note: CREDIT FOR ONLY ONE OF THE FOLLOWING MAY BE APPLIED TOWARD GRADUATION: ATH 101, SKILL TECHNIQUE COURSE IN THE SAME SPORT AS THE ATH 101, KIN 166  
 Satisfactory-Fail Only.  
 5696005 1 MW 9:00-9:50  
 MEETS: AUG 26-DEC 20  
 5696010 2 MW 10:00-10:50  
 MEETS: AUG 26-DEC 20  
 5696015 3 MW 11:00-11:50  
 MEETS: AUG 26-DEC 20  
 5696020 4 MW 12:10-1:00  
 MEETS: AUG 26-DEC 20  
 5696025 5 MW 1:10-2:00  
 MEETS: AUG 26-DEC 20

JUDO KIN 168 1 CREDIT  
 Satisfactory-Fail Only.  
 5353005 1 TR 9:00-9:50  
 MEETS: AUG 26-DEC 20

TAEKWONDO/KARATE I KIN 170 1 CREDIT  
 Satisfactory-Fail Only.  
 5700005 1 MW 9:00-9:50  
 MEETS: AUG 26-DEC 20  
 5700010 2 MW 10:00-10:50  
 MEETS: AUG 26-DEC 20  
 5700015 3 MW 11:00-11:50  
 MEETS: AUG 26-DEC 20

TAEKWONDO/KARATE II KIN 171 1 CREDIT  
 Prereq: 170  
 Satisfactory-Fail Only.  
 5701005 1 TR 12:10-1:00  
 MEETS: AUG 26-DEC 20

HAPKIDO/MARTIAL ARTS KIN 173 1 CREDIT  
 Satisfactory-Fail Only.  
 5702005 1 TR 11:00-11:50  
 MEETS: AUG 26-DEC 20

VOLLEYBALL KIN 182 1 CREDIT  
 Satisfactory-Fail Only.  
 5710005 1 TR 11:00-11:50  
 MEETS: AUG 26-DEC 20  
 5710010 2 TR 12:10-1:00  
 MEETS: AUG 26-DEC 20

SOCCER KIN 185 1 CREDIT  
 Satisfactory-Fail Only.  
 5712005 1 TR 9:30-10:45  
 MEETS: AUG 26-DEC 20

CNCPTS FITNS&WELLN KIN 210 2 CREDITS  
 8843005 1 ARRANGED  
 MEETS: AUG 26-DEC 20  
 Note: Course delivery is WWW  
 8843010 2 ARRANGED  
 MEETS: AUG 26-DEC 20  
 Note: Course delivery is WWW

SCHOOL PHY ACT PROG KIN 214 1 CREDIT  
 Prereq: FRESHMAN CLASSIFICATION  
 Satisfactory-Fail Only.  
 4672005 1 ARRANGED  
 MEETS: AUG 26-DEC 20

FUND TUMBLING&GYMNS KIN 231 1 CREDIT  
 Prereq: ELIGIBILITY FOR ADMISSION TO KIN TEACHER EDUCATION PROGRAM  
 Note: COURSE RESTRICTED TO KIN H MAJORS. STUDENTS MUST BE ELIGIBLE FOR ADMISSION TO KINESIOLOGY TEACHER EDUCATION PROGRAM.  
 Instructor permission required 1st week.  
 9615005 1 MW 9:00-10:45  
 MEETS: OCT 21-DEC 20

FUND TEAM SPORTS KIN 232 1 CREDIT  
 Prereq: ELIGIBILITY FOR ADMISSION TO KIN TEACHER EDUCATION PROGRAM  
 Note: Instructor permission required 1st week.  
 9616005 1 TR 12:40-2:00  
 MEETS: AUG 26-DEC 20

HEALTH CAREER PLAN KIN 242 .5 CREDIT  
 Prereq: KIN H MAJOR IN PHP OPTION WITH SOPHOMORE CLASSIFICATION OR ABOVE  
 Satisfactory-Fail Only.  
 4697005 1 R 2:10-3:00  
 MEETS: AUG 26-OCT 18  
 4697010 2 F 1:10-2:00  
 MEETS: AUG 26-OCT 18

KINESIOLOGY PROFSNS KIN 252 1 CREDIT  
 7415005 1 T 8:00-8:50  
 MEETS: AUG 26-DEC 20  
 Note: SEC 1 RESTRICTED TO A TR, D EXA, D EXH, KIN H, P ATR, PDEXA, PDEXH MAJORS ONLY  
 Course delivery is WWW  
 7415010 2 T 8:00-8:50  
 MEETS: AUG 26-DEC 20  
 Note: SEC 2 RESTRICTED TO MAJORS OTHER THAN A TR, D EXA, D EXH, KIN, KIN H, P ATR, PDEXA, PDEXH  
 Course delivery is WWW

ORIEN KINESIOL&HLTH KIN 253 1 CREDIT  
 Prereq: CONCURRENT ENROLLMENT OR CREDIT IN KIN 252  
 Satisfactory-Fail Only.  
 7498005 1 W 12:10-1:00  
 MEETS: AUG 26-DEC 20  
 Note: SEC 1 RESTRICTED TO KIN H, P ATR, A TR FRESHMEN AND SOPHOMORES ONLY  
 7498010 2 M 12:10-1:00  
 MEETS: AUG 26-DEC 20  
 Note: SEC 2 RESTRICTED TO KIN H, P ATR, A TR FRESHMEN AND SOPHOMORES ONLY  
 7498015 3 W 12:10-1:00  
 MEETS: AUG 26-DEC 20  
 Note: SEC 3 RESTRICTED TO KIN H, A TR, P ATR MAJORS ONLY  
 7498020 4 M 12:10-1:00  
 MEETS: AUG 26-DEC 20  
 Note: SEC 4 RESTRICTED TO KIN H, A TR, P ATR MAJORS ONLY  
 7498025 5 ARRANGED  
 MEETS: AUG 26-DEC 20  
 Note: SEC 5 RESTRICTED TO KIN H, A TR, P ATR MAJORS ONLY  
 Course delivery is WWW  
 7498030 6 W 12:10-1:00  
 MEETS: AUG 26-DEC 20  
 Note: SEC 6 RESTRICTED TO KIN H, P ATR, A TR FRESHMEN AND SOPHOMORES ONLY  
 7498035 7 M 12:10-1:00  
 MEETS: AUG 26-DEC 20  
 Note: SEC 7 RESTRICTED TO KIN H, P ATR, A TR FRESHMEN AND SOPHOMORES ONLY

PRIN PHYSCL FIT&CON KIN 258 2 CREDITS  
 Note: LECTURES (REPRESENTED BY THE ARRANGED TIME) WILL BE DELIVERED VIA WWW. THE SCHEDULED CLASSROOM TIMES ARE LABS. RESTRICTED TO PDEXA, PDEXH, D EXA, D EXH, KIN H, A TR, P ATR MAJORS. CREDIT FOR EITHER KIN 163 OR KIN 258, BUT NOT BOTH, MAY BE APPLIED TOWARD GRADUATION.  
 5732005 1A TR 8:00-8:50, ARRANGED  
 MEETS: AUG 26-DEC 20  
 5732010 1B TR 8:00-8:50, ARRANGED  
 MEETS: AUG 26-DEC 20  
 5732015 2A TR 9:00-9:50, ARRANGED  
 MEETS: AUG 26-DEC 20  
 5732020 2B TR 9:00-9:50, ARRANGED  
 MEETS: AUG 26-DEC 20  
 5732025 3A TR 10:00-10:50  
 ARRANGED  
 MEETS: AUG 26-DEC 20  
 5732030 3B TR 10:00-10:50  
 ARRANGED  
 MEETS: AUG 26-DEC 20  
 5732035 4A TR 11:00-11:50  
 ARRANGED  
 MEETS: AUG 26-DEC 20  
 5732040 4B TR 11:00-11:50  
 ARRANGED  
 MEETS: AUG 26-DEC 20  
 5732045 5A TR 12:10-1:00  
 ARRANGED  
 MEETS: AUG 26-DEC 20  
 5732050 5B TR 12:10-1:00  
 ARRANGED  
 MEETS: AUG 26-DEC 20  
 5732055 6A TR 1:10-2:00, ARRANGED  
 MEETS: AUG 26-DEC 20  
 5732060 6B TR 1:10-2:00, ARRANGED  
 MEETS: AUG 26-DEC 20  
 5732065 7A TR 2:10-3:00, ARRANGED  
 MEETS: AUG 26-DEC 20  
 5732070 7B TR 2:10-3:00, ARRANGED  
 MEETS: AUG 26-DEC 20

LDRSHIP TECH FITNESS KIN 259 3 CREDITS  
 Prereq: KIN 258  
 Note: COURSE RESTRICTED TO A TR, D EXA, D EXH, P ATR, PDEXA, PDEXH, KIN H MAJORS ONLY  
 9622005 1 W 1:10-2:00  
 M 1:10-3:00, ARRANGED  
 MEETS: AUG 26-DEC 20  
 9622010 2 W 1:10-2:00  
 M 3:10-5:00, ARRANGED  
 MEETS: AUG 26-DEC 20

## KINESIOLOGY

(CONTINUED)

ADV STRNGTH TRAINNG KIN 266 2 CREDITS  
Prereq: KIN 258  
Note: COURSE RESTRICTED TO A TR, D EXA, D EXH,  
KIN, KIN H, P ATR, PDEXA, PDEXH MAJORS ONLY

7421005 1 T 8:00-9:20  
R 8:00-9:20  
MEETS: AUG 26-DEC 20

7421010 2 T 9:30-10:50  
R 9:30-10:50  
MEETS: AUG 26-DEC 20

FIELD EXP ELEM P E KIN 280 1 CREDIT  
Note: COURSE RESTRICTED TO KIN H MAJORS ONLY  
Instructor permission required 1st week.  
Satisfactory-Fail Only.

5736005 1 F 8:00-11:30  
MEETS: AUG 26-DEC 20  
Note: FRIDAY MTGS FIRST TWO WEEKS OF SEMESTER ONLY.  
REMAINDER OF COURSE IS EXPERIENCE.

5736010 2 R 8:00-11:30  
MEETS: AUG 26-DEC 20  
Note: THURSDAY MTGS FIRST TWO WEEKS OF SEMESTER ONLY.  
REMAINDER OF COURSE IS EXPERIENCE.

FIELD EXP SECYD P E KIN 281 1 CREDIT  
Note: COURSE RESTRICTED TO KIN H MAJORS ONLY  
Satisfactory-Fail Only.

7699005 1 F 8:00-11:30  
MEETS: AUG 26-DEC 20  
Note: Instructor permission required 1st week.

7699010 2 R 8:00-11:30  
MEETS: AUG 26-DEC 20  
Note: Instructor permission required 1st week.

FLD EXP EDUC OTRCH KIN 282 1 CREDIT  
Prereq: ADMISSION TO UNIVERSITY TEACHER EDUC PROG  
Note: RESTRICTED TO STUDENTS WITH FULL ADMISSION  
TO THE UNIVERSITY TEACHER EDUCATION PROGRAM  
Satisfactory-Fail Only.

2959005 1 TR 3:30-6:00PM  
MEETS: AUG 26-DEC 20

ELEM&PRESCH MVMT ED KIN 284 3 CREDITS  
Prereq: 3 CREDITS IN HUMAN DEVEL & FAMILY STUDIES  
Note: OPEN TO NON PHYSICAL EDUCATION TEACHER LICENSURE  
STUDENTS ONLY. CREDIT FOR EITHER KIN 275/312 OR  
KIN 284, BUT NOT BOTH, MAY BE APPLIED TOWARD  
GRADUATION.

5737005 1 TR 8:00-10:50  
MEETS: AUG 26-DEC 20

PRE-INTERN KIN&HLTH KIN 285 1- 2 CREDITS  
Prereq: KINESIOLOGY AND HEALTH MAJOR, AND  
PERMISSION OF INTERNSHIP COORDINATOR  
Satisfactory-Fail Only.

8750005 1 ARRANGED  
MEETS: AUG 26-DEC 20  
Note: Department permission required.

INDEPENDENT STUDY KIN 290 1 CREDIT  
Prereq: SOPHOMORE OR 2ND SEMESTER FRESHMAN,  
PERMISSION OF INSTRUCTOR  
Note: Instructor permission required.  
\*\*\*\*\*  
SEE DEPT FOR REFERENCE NUMBERS

ELEM SCH MOVEMNT ED KIN 312 3 CREDITS  
Prereq: ADMISSION TO EDUCATOR PREPARATION  
PROGRAM; KIN 280  
Note: CREDIT FOR EITHER KIN 284 OR KIN 312,  
BUT NOT BOTH, MAY BE APPLIED TOWARD GRADUATION.  
COURSE RESTRICTED TO KIN H MAJORS ONLY.  
Instructor permission required 1st week.

5735005 1 MW 1:10-3:00  
MEETS: AUG 26-DEC 20

COACH THY&ADMIN ISS KIN 315 3 CREDITS  
Note: COURSE RESTRICTED TO JUNIORS AND SENIORS ONLY

5372005 1 TR 11:00-12:20  
MEETS: AUG 26-DEC 20

MGT HEALTH-FIT PROG KIN 345 3 CREDITS  
7697005 1 TR 9:30-10:45  
MEETS: AUG 26-DEC 20  
Note: SEC 1 RESTRICTED TO A TR, D EXA, D EXH,  
FSHNA, FSHNH, KIN H, P ATR, P DEXA, P DEXH JUNIORS  
AND SENIORS AND KIN MAJORS

7697010 2 TR 9:30-10:45  
MEETS: AUG 26-DEC 20  
Note: SEC 2 RESTRICTED TO MAJORS OTHER THAN  
A TR, D EXA, D EXH, FSHNA, FSHNH, KIN, KIN H,  
P ATR, PDEXA, PDEXH

BIOMECHANICS KIN 355 3 CREDITS  
Prereq: PHYS 111 OR PHYS 115

5752005 1 MWF 8:00-8:50  
MEETS: AUG 26-DEC 20  
Note: SEC 1 RESTRICTED TO A TR, D EXA, D EXH,  
KIN H, P ATR, PDEXA, PDEXH JUNIORS AND ABOVE AND  
KIN, FSHNA, FSHNH MAJORS

5752010 2 MWF 8:00-8:50  
MEETS: AUG 26-DEC 20  
Note: SEC 2 RESTRICTED TO MAJORS OTHER THAN  
A TR, D EXA, D EXH, KIN, KIN H, P ATR, PDEXA,  
PDEXH, FSHNH, FSHNA

5752015 3 TR 8:00-9:20  
MEETS: AUG 26-DEC 20

## KINESIOLOGY

(CONTINUED)

BIOMECHANICS KIN 355 3 CREDITS  
Note: SEC 3 RESTRICTED TO A TR, D EXA, D EXH,  
KIN H, P ATR, PDEXA, PDEXH JUNIORS AND ABOVE AND  
KIN, FSHNA, FSHNH MAJORS

5752020 4 TR 8:00-9:20  
MEETS: AUG 26-DEC 20  
Note: SEC 4 RESTRICTED TO MAJORS OTHER THAN  
A TR, D EXA, D EXH, KIN, KIN H, P ATR, PDEXA,  
PDEXH, FSHNH, FSHNA

PHYSIOLOGY EXERCISE KIN 358 3 CREDITS  
Prereq: BIOL 255, BIOL 255L, BIOL 256 AND  
BIOL 256L

5766005 1 MWF 12:10-1:00  
MEETS: AUG 26-DEC 20  
Note: SEC 1 RESTRICTED TO A TR, D EXA, D EXH, KIN,  
KIN H, P ATR, PDEXA, PDEXH JUNIORS AND ABOVE

5766010 2 MWF 12:10-1:00  
MEETS: AUG 26-DEC 20  
Note: SEC 2 RESTRICTED TO MAJORS OTHER THAN  
A TR, D EXA, D EXH, KIN, KIN H, P ATR, PDEXA, PDEXH

5766015 3 MWF 8:00-8:50  
MEETS: AUG 26-DEC 20  
Note: SEC 3 RESTRICTED TO A TR, D EXA, D EXH, KIN,  
KIN H, P ATR, PDEXA, PDEXH JUNIORS AND ABOVE

5766020 4 MWF 8:00-8:50  
MEETS: AUG 26-DEC 20  
Note: SEC 4 RESTRICTED TO MAJORS OTHER THAN  
A TR, D EXA, D EXH, KIN, KIN H, P ATR, PDEXA, PDEXH

EXERCISE PHYSIOL LAB KIN 359 1 CREDIT  
Prereq: CONCURRENT ENROLLMENT IN KIN 358  
Note: COURSE RESTRICTED TO A TR, D EXA, D EXH,  
FSHNA, FSHNH, KIN, KIN H, P ATR, PDEXA, PDEXH  
JUNIORS & ABOVE

0139005 1 T 8:00-9:50  
MEETS: AUG 26-DEC 20

0139010 2 T 10:00-11:50  
MEETS: AUG 26-DEC 20

0139015 3 T 12:10-2:00  
MEETS: AUG 26-DEC 20

0139020 4 T 2:10-4:00  
MEETS: AUG 26-DEC 20

0139025 5 R 8:00-9:50  
MEETS: AUG 26-DEC 20

0139030 6 R 10:00-11:50  
MEETS: AUG 26-DEC 20

0139035 7 R 12:10-2:00  
MEETS: AUG 26-DEC 20

0139040 8 R 2:10-4:00  
MEETS: AUG 26-DEC 20

SOC PHY ACTV&HEALTH KIN 360 3 CREDITS  
Prereq: SOC 134

5753005 1 F 10:00-10:50  
ARRANGED  
MEETS: AUG 26-DEC 20  
Note: THE ARRANGED TIME REPRESENTS WWW INSTRUCTION.  
SECTION 1 RESTRICTED TO A TR, KIN H, D EXA, D EXH,  
P ATR, PDEXA, PDEXH JUNIORS AND SRS AND KIN, FSHNH,  
FSHNA MAJORS.

5753010 2 F 11:00-11:50  
ARRANGED  
MEETS: AUG 26-DEC 20  
Note: THE ARRANGED TIME REPRESENTS WWW INSTRUCTION.  
SECTION 2 RESTRICTED TO A TR, KIN H, D EXA, D EXH,  
P ATR, PDEXA, PDEXH JUNIORS AND SRS AND KIN, FSHNH,  
FSHNA MAJORS

5753015 3 F 10:00-10:50  
ARRANGED  
MEETS: AUG 26-DEC 20  
Note: THE ARRANGED TIME REPRESENTS WWW INSTRUCTION.  
SEC 3 RESTRICTED TO MAJORS OTHER THAN KIN, KIN H,  
D EXA, D EXH, A TR, P ATR, PDEXA, PDEXH, FSHNH, FSHNA

5753020 4 F 11:00-11:50  
ARRANGED  
MEETS: AUG 26-DEC 20  
Note: THE ARRANGED TIME REPRESENTS WWW INSTRUCTION.  
SECTION 4 RESTRICTED TO MAJORS OTHER THAN KIN, KIN H,  
D EXA, D EXH, PDEXA, PDEXH, A TR, P ATR, FSHNH, FSHNA

SPORT PSYCHOLOGY KIN 365 3 CREDITS  
Prereq: PSYCH 101 OR PSYCH 230  
Note: Instructor permission required 1st week.

5754005 1A W 2:10-3:00, ARRANGED  
MEETS: AUG 26-DEC 20  
Note: SEC 1A RESTRICTED TO A TR, DEX A, DEX H, KIN H,  
P ATR, PDEXH JUNIORS AND SENIORS AND KIN MAJORS

5754010 1B W 2:10-3:00, ARRANGED  
MEETS: AUG 26-DEC 20  
Note: SEC 1B RESTRICTED TO MAJORS OTHER THAN  
A TR, DEX A, DEX H, KIN, KIN H, P ATR, PDEXA, PDEXH

EXERCISE PSYCHOLOGY KIN 366 3 CREDITS  
Prereq: PSYCH 101 OR PSYCH 230

7190005 1 TR 11:00-12:20  
MEETS: AUG 26-DEC 20  
Note: SEC 1 RESTRICTED TO A TR, D EXA, D EXH, KIN H,  
P ATR, PDEXA, PDEXH JRS AND SENIORS AND KIN, FSHNH,  
FSHNA MAJORS

7190010 2 TR 11:00-12:20  
MEETS: AUG 26-DEC 20  
Note: SEC 2 RESTRICTED TO MAJORS OTHER THAN A TR,  
D EXA, D EXH, KIN, KIN H, P ATR, PDEXA, PDEXH, FSHNH,  
FSHNA

KINESIOLOGY

(CONTINUED)

MOTOR CNTRL LIFESP KIN 372 3 CREDITS  
 Prereq: PSYCH 101 OR PSYCH 230, BIOL 255,256  
 9623005 1A MWF 8:00-8:50  
 MEETS: AUG 26-DEC 20  
 Note: SEC 1A RESTRICTED TO A TR, D EXA, D EXH,  
 KIN H, P ATR, PDEXA, PDEXH JRS AND SENIORS AND  
 KIN, FSHNH, FSHNA MAJORS  
 9623010 1B MWF 8:00-8:50  
 MEETS: AUG 26-DEC 20  
 Note: SEC 1B RESTRICTED TO MAJORS OTHER THAN  
 A TR, D EXA, D EXH, KIN, KIN H, P ATR, PDEXA,  
 PDEXH, FSHNH, FSHNA  
 9623015 2A MWF 9:00-9:50  
 MEETS: AUG 26-DEC 20  
 Note: SEC 2A RESTRICTED TO A TR, D EXA, D EXH,  
 KIN H, P ATR, PDEXA, PDEXH JRS AND SENIORS AND  
 KIN, FSHNH, FSHNA MAJORS  
 9623020 2B MWF 9:00-9:50  
 MEETS: AUG 26-DEC 20  
 Note: SEC 2B RESTRICTED TO MAJORS OTHER THAN  
 A TR, D EXA, D EXH, KIN, KIN H, P ATR, PDEXA,  
 PDEXH, FSHNH, FSHNA

INTERNSH SRCH STRAT KIN 385 .5 CREDIT  
 Prereq: JUNIOR CLASSIFICATION; TO BE TAKEN  
 MINIMUM OF TWO SEMESTERS PRIOR TO REQUIRED INTERNSHIP  
 Note: COURSE RESTRICTED TO A TR, DEX A, DEX H, KIN,  
 KIN H, PDEXA, PDEXH JUNIORS AND ABOVE  
 Satisfactory-Fail Only.  
 5761005 1 R 2:10-3:00, ARRANGED  
 MEETS: AUG 26-OCT 18  
 5761010 2 F 1:10-2:00, ARRANGED  
 MEETS: AUG 26-OCT 18

SRV LRN LEADSHP EXP KIN 391 1- 3 CREDITS  
 Satisfactory-Fail Only.  
 6691005 1 ARRANGED  
 MEETS: AUG 26-DEC 20

ADAPTED PHYSICAL ED KIN 395 3 CREDITS  
 Prereq: ADMISSION TO EDUCATOR PREPARATION  
 PROGRAM; KIN 280 OR KIN 281  
 Note: CREDIT FOR EITHER KIN 395 OR KIN 595,  
 BUT NOT BOTH, MAY BE APPLIED TOWARD GRADUATION.  
 RESTRICTED TO STUDENTS WITH FULL ADMISSION  
 TO THE UNIVERSITY TEACHER EDUCATION PROGRAM.  
 5760005 1 MW 12:10-1:00  
 F 1:10-3:00  
 MEETS: AUG 26-DEC 20  
 5760010 2 MW 12:10-1:00  
 F 10:00-11:50  
 MEETS: AUG 26-DEC 20

RECREATNL SPORT MGT KIN 399 3 CREDITS  
 Prereq: SOC 134  
 Note: COURSE RESTRICTED TO JUNIORS AND SENIORS  
 6217005 1 MWF 10:00-10:50  
 MEETS: AUG 26-DEC 20

SUPV TCHG-SECONDARY KIN 417 VAR. CREDITS  
 Prereq: KIN 281, KIN 282, KIN 313, KIN 355,  
 KIN 395, KIN 471, KIN 475; ADMISSION TO TEACHER  
 EDUCATION; APPROVAL BEFORE ENROLLING IN THE COURSE.  
 Note: COURSE ONLY OFFERED FOR 1-8 CREDITS FALL 2019.  
 RESTRICTED TO STUDENTS OF THE EDUCATOR PREP  
 PROGRAM  
 MUST APPLY FOR APPROVAL TO ENROLL AT BEGINNING OF  
 THE SEMESTER PRIOR TO REGISTERING.  
 5764005 1A ARRANGED  
 MEETS: AUG 26-OCT 18  
 Note: SEC 1A FOR STUDENTS TEACHING IN CENTRAL IOWA  
 5764010 1R ARRANGED  
 MEETS: AUG 26-OCT 18  
 Note: SEC 1R FOR STUDENTS TEACHING OUTSIDE CENTRAL IOWA  
 5764015 2A ARRANGED  
 MEETS: OCT 21-DEC 20  
 Note: SEC 2A FOR STUDENTS TEACHING IN CENTRAL IOWA  
 5764020 2R ARRANGED  
 MEETS: OCT 21-DEC 20  
 Note: SEC 2R FOR STUDENTS TEACHING OUTSIDE CENTRAL IOWA

SUPR TCHG-ELEMENTARY KIN 418 8 CREDITS  
 Prereq: KIN 280, KIN 282, KIN 312, KIN 355,  
 KIN 395, KIN 471, KIN 475, MUST BE FULLY ADMITTED TO  
 TEACHER EDUCATION AND MUST APPLY FOR APPROVAL TO  
 ENROLL AT THE BEGIN OF SEMESTER PRIOR TO REGISTERING  
 Note: RESTRICTED TO STUDENTS OF THE EDUCATOR PREP  
 PROGRAM  
 MUST APPLY FOR APPROVAL TO ENROLL AT BEGINNING OF  
 THE SEMESTER PRIOR TO REGISTERING  
 5765005 1A ARRANGED  
 MEETS: AUG 26-OCT 18  
 Note: SEC 1A FOR STUDENTS TEACHING IN CENTRAL IOWA  
 5765010 1R ARRANGED  
 MEETS: AUG 26-OCT 18  
 Note: SEC 1R FOR STUDENTS TEACHING OUTSIDE CENTRAL IOWA  
 5765015 2A ARRANGED  
 MEETS: OCT 21-DEC 20  
 Note: SEC 2A FOR STUDENTS TEACHING IN CENTRAL IOWA  
 5765020 2R ARRANGED  
 MEETS: OCT 21-DEC 20  
 Note: SEC 2R FOR STUDENTS TEACHING OUTSIDE CENTRAL IOWA

KINESIOLOGY

(CONTINUED)

PRIN FITNESS ASSESS KIN 458 4 CREDITS  
 Prereq: KIN 258, KIN 358  
 Note: COURSE RESTRICTED TO KIN H, D EXA, D DEXH,  
 A TR, P ATR, PDEXA, PDEXH JUNIORS AND SENIORS AND  
 KIN GRADUATE STUDENTS  
 5767005 1 MWF 1:10-2:00  
 T 11:00-12:50  
 MEETS: AUG 26-DEC 20  
 5767010 2 MWF 1:10-2:00  
 T 1:10-3:00  
 MEETS: AUG 26-DEC 20  
 5767015 3 MWF 1:10-2:00  
 T 3:10-5:00  
 MEETS: AUG 26-DEC 20  
 5767020 4 MWF 1:10-2:00  
 R 11:00-12:50  
 MEETS: AUG 26-DEC 20  
 5767025 5 MWF 1:10-2:00  
 R 1:10-3:00  
 MEETS: AUG 26-DEC 20  
 5767030 6 MWF 1:10-2:00  
 R 3:10-5:00  
 MEETS: AUG 26-DEC 20

INTERN EXER LEADRS KIN 459 1 CREDIT  
 Prereq: C- OR BETTER IN KIN 259, CPR  
 CERTIFICATION, CURRENT ENROLLMENT IN KIN 458  
 Note: COURSE RESTRICTED TO KIN H JUNIORS AND ABOVE;  
 AND FSHNA, FSHNH, KIN GRADUATE STUDENTS  
 3473005 1 ARRANGED  
 MEETS: AUG 26-DEC 20

MEDIC ASPECTS EXERC KIN 462 3 CREDITS  
 Prereq: KIN 358  
 Note: COURSE RESTRICTED TO KIN H, D EXA, D DEXH,  
 A TR, P ATR, PDEXA, PDEXH JUNIORS AND SENIORS AND  
 FSHNA, FSHNH, KIN GRADUATE STUDENTS  
 5763005 1 MWF 9:00-9:50  
 MEETS: AUG 26-DEC 20  
 5763010 2 TR 8:00-9:20  
 MEETS: AUG 26-DEC 20

EXERC&HLTH:BHVR CHG KIN 467 3 CREDITS  
 Prereq: KIN 366 OR EQUIVALENT  
 Note: COURSE RESTRICTED TO KIN H, D EXA, D DEXH,  
 A TR, P ATR, PDEXA, PDEXH JUNIORS AND SENIORS AND  
 KIN GRADUATE STUDENTS  
 6255005 1 W 2:10-4:00, ARRANGED  
 MEETS: AUG 26-DEC 20

NEURL BASIS HUM MVT KIN 472 3 CREDITS  
 Prereq: KIN 372 OR PSYCH 310  
 7322005 1 TR 9:30-10:50  
 MEETS: AUG 26-DEC 20

PE CURRIC DSN & ORG KIN 475 3 CREDITS  
 Prereq: ADMISSION TO EDUCATOR PREPARATION  
 PROGRAM, KIN 280 OR KIN 281  
 Note: RESTRICTED TO STUDENTS WITH FULL ADMISSION TO  
 THE UNIVERSITY TEACHER EDUCATION PROGRAM  
 5771005 1 TR 9:30-10:50  
 MEETS: AUG 26-DEC 20

FUNCTIONAL ANATOMY KIN 480 3 CREDITS  
 Prereq: KIN 355; BIOL 155 OR BIOL 255 AND BIOL  
 256  
 Note: COURSE RESTRICTED TO KIN H, D EXA, D DEXH,  
 A TR, P ATR, PDEXA, PDEXH JUNIORS AND SENIORS AND  
 KIN GRADUATE STUDENTS  
 6175005 1 TR 11:00-12:15  
 MEETS: AUG 26-DEC 20

INTRN EXERCISE SCI KIN 485A 8-16 CREDITS  
 Prereq: ALL REQUIRED COURSES; C- OR BETTER IN  
 KIN 458, KIN 459, AND KIN 462; CLASSIFICATION IN A  
 KINESIOLOGY OR HEALTH MAJOR; CUMULATIVE GPA 2.0  
 Satisfactory-Fail Only.  
 5772100 PO ARRANGED POWER D  
 MEETS: AUG 26-DEC 20

IND STUDY EXER&SPRT KIN 490A 1- 3 CREDITS  
 Prereq: 6 CREDITS FROM KIN ADVANCED CORE AND  
 PERMISSION OF COORDINATOR  
 Note: Instructor permission required 1st week.  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

INDEP STUDY HONORS KIN 490H 1- 2 CREDITS  
 Prereq: 6 CREDITS FROM KIN ADVANCED CORE AND  
 PERMISSION OF COORDINATOR  
 Note: COURSE RESTRICTED TO STUDENTS IN THE UNIVERSITY  
 HONORS PROGRAM ONLY  
 Instructor permission required 1st week.  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

UG TEACHING EXPERNK KIN 491X 1- 2 CREDITS  
 Prereq: JUNIOR/SENIOR STATUS AND PERMISSION OF  
 COORDINATOR  
 Satisfactory-Fail Only.  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

KINESIOLOGY (CONTINUED)

PRA MOTV INTVW:PRIN KIN 494A 1 CREDIT  
 Prereq: JUNIOR/SENIOR STATUS AND PERMISSION OF INSTRUCTOR  
 Satisfactory-Fail Only.  
 9731005 1 T 2:10-3:00  
 MEETS: AUG 26-DEC 20

PRA MOTV INTVW:SUPV KIN 494B 1- 2 CREDITS  
 Prereq: KIN 494A, PERMISSION OF INSTRUCTOR  
 Satisfactory-Fail Only.  
 9729005 1 ARRANGED  
 MEETS: AUG 26-OCT 18  
 9729010 2 ARRANGED  
 MEETS: OCT 21-DEC 20

EXER PHYSIO LAB TEC KIN 505 2 CREDITS  
 Prereq: KIN 358 OR EQUIVALENT COURSE WITH BASIC LAB EXPERIENCE  
 5781005 1 M 4:10-6:00PM  
 ARRANGED  
 MEETS: AUG 26-DEC 20

INJURY BIOMECHANICS KIN 515 3 CREDITS  
 Prereq: KIN 355 OR PERMISSION OF INSTRUCTOR  
 9573005 1 TR 2:10-3:30  
 MEETS: AUG 26-DEC 20

ADV VERTB PHYSIOL I KIN 549 4 CREDITS  
 Prereq: RECOMMENDED: AN UNDERGRADUATE PHYSIOLOGY COURSE AND A BIOCHEMISTRY COURSE  
 2329005 1 TR 8:00-9:50  
 MEETS: AUG 26-DEC 20

ADV PHYSIOL EXERC I KIN 550 3 CREDITS  
 Prereq: KIN 505  
 5791005 1 T 4:10-6:00PM  
 R 4:10-6:00PM  
 MEETS: AUG 26-DEC 20

PHYS FIT:PRIN,PROG, KIN 558 3 CREDITS  
 Prereq: KIN 358  
 5793005 1 MW 2:10-4:00  
 W 2:10-5:00  
 MEETS: AUG 26-DEC 20

PRIN MOTR CNTRL&LRN KIN 560 3 CREDITS  
 Prereq: KIN 372  
 5794005 1 W 3:10-6:00PM  
 MEETS: AUG 26-DEC 20

NEURAL BASIS HM MVT KIN 572 3 CREDITS  
 Prereq: KIN 372 OR PSYCH 310  
 7327005 1 TR 9:30-10:50  
 MEETS: AUG 26-DEC 20

SPECIAL TOPICS P E KIN 590A 1- 3 CREDITS  
 Note: Instructor permission required 1st week.  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

SPL TP HEALTH PROMO KIN 590B 1- 3 CREDITS  
 Note: Instructor permission required 1st week.  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

SPL TOP EXERC PHYSL KIN 590D 1- 3 CREDITS  
 Note: Instructor permission required 1st week.  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

SPL TOP SPORT SOCIO KIN 590E 1- 3 CREDITS  
 Note: Instructor permission required 1st week.  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

SPL TOP SPORT PSYCH KIN 590F 1- 3 CREDITS  
 Note: Instructor permission required 1st week.  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

SPL TOP MOTOR BEHAV KIN 590G 1- 3 CREDITS  
 Note: Instructor permission required 1st week.  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

SPL TOP BIOMECHANCS KIN 590H 1- 3 CREDITS  
 Note: Instructor permission required 1st week.  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

SPL TOP RSRCH ETHCS KIN 590I 1- 3 CREDITS  
 Note: Instructor permission required 1st week.  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

SUPV FIELD EXP P E KIN 591A 1- 6 CREDITS  
 Prereq: 10 GRAD CR IN KIN AND/OR RELATED AREAS  
 Note: Instructor permission required 1st week.  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

SUP FLD EXP EX PHYS KIN 591D 1- 6 CREDITS  
 Prereq: 10 GRAD CR IN KIN AND/OR RELATED AREAS  
 Note: Instructor permission required 1st week.  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

KINESIOLOGY (CONTINUED)

PRACTCM COLLEG TCHG KIN 592 1- 3 CREDITS  
 Satisfactory-Fail Only.  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

CREATIVE COMPONENT KIN 599 1- 3 CREDITS  
 Note: Instructor permission required 1st week.  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

SEMINAR KIN 615 1- 3 CREDITS  
 Note: COURSE ONLY OFFERED FOR 1 CREDIT FALL 2019  
 Instructor permission required 1st week.  
 5812005 1 F 1:10-2:00  
 MEETS: AUG 26-DEC 20

ADV RESR MTHDS ACTV KIN 620 3 CREDITS  
 Prereq: KIN 501, STAT 402, STAT 587, DOCTORAL PROGRAM STUDENT  
 7461005 1 W 6:10-9:00PM  
 MEETS: AUG 26-DEC 20

RESEARCH KIN 699 1- 6 CREDITS  
 Note: Instructor permission required 1st week.  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

LANDSCAPE ARCHITECTURE

STUDIO:LNDSKP INTRP L A 201 6 CREDITS  
 Prereq: ENROLLMENT IN THE PROFESSIONAL PROGRAM  
 Note: COURSE RESTRICTED TO L A MAJORS ONLY  
 Instructor permission required 1st week.  
 4765005 1 MWF 1:10-5:30  
 MEETS: AUG 26-DEC 20

NATIV PLNTS MIDWEST L A 221 3 CREDITS  
 Prereq: ENROLLMENT IN THE PROFESSIONAL PROGRAM  
 Note: COURSE RESTRICTED TO L A MAJORS ONLY  
 6091005 1 TR 8:00-8:50  
 TR 9:00-12:15  
 MEETS: AUG 26-DEC 20

DEVEL ID AS L ARCHI L A 241 1 CREDIT  
 Prereq: ENROLLMENT IN THE PROFESSIONAL PROGRAM  
 Note: COURSE RESTRICTED TO L A MAJORS ONLY  
 Satisfactory-Fail Only.  
 3447005 1 MW 11:00-11:50  
 MEETS: AUG 26-DEC 20

FND NAT R PLCY&HIST L A 270 3 CREDITS  
 3566005 1 ARRANGED  
 MEETS: AUG 26-DEC 20  
 Note: Course delivery is WWW

CULTURL LANDSC STUD L A 272 3 CREDITS  
 Prereq: ENROLLMENT IN THE PROFESSIONAL PROGRAM  
 Note: COURSE RESTRICTED TO L A MAJORS ONLY  
 Meets U.S. diversity reqmt  
 6095005 1 MW 9:00-10:30  
 MEETS: AUG 26-DEC 20

LNDSKP FORM,PROCESS L A 281 3 CREDITS  
 Prereq: ENROLLMENT IN THE PROFESSIONAL PROGRAM  
 Note: COURSE RESTRICTED TO L A MAJORS ONLY  
 6108005 1 TR 2:10-3:30, ARRANGED  
 MEETS: AUG 26-DEC 20

SITE DESIGN II L A 301 6 CREDITS  
 Prereq: L A 202  
 Note: Instructor permission required 1st week.  
 4777005 1 F 1:10-5:20  
 MW 1:10-5:20  
 MEETS: AUG 26-DEC 20  
 4777010 2 F 1:10-5:20  
 MW 1:10-5:20  
 MEETS: AUG 26-DEC 20

LNDSKP:ANTQ TO 1750 L A 373 3 CREDITS  
 Note: Meets international perspectives reqmt  
 Instructor permission required 1st week.  
 4768005 1 TR 9:30-10:50  
 MEETS: AUG 26-DEC 20  
 Note: SEC 1 RESTRICTED TO L A, P LA MAJORS ONLY  
 4768010 2 TR 9:30-10:50, ARRANGED  
 MEETS: AUG 26-DEC 20  
 Note: SEC 2 RESTRICTED TO MAJORS OTHER THAN L A, P LA

SHAPING THE LAND L A 381 3 CREDITS  
 Prereq: L A 282; MATH 143 OR MATH 145  
 Note: Instructor permission required 1st week.  
 4782005 1 MW 11:00-11:50  
 F 10:00-11:50  
 MEETS: AUG 26-DEC 20

URBAN DESIGN L A 402 6 CREDITS  
 Prereq: L A 302  
 6174005 1 F 1:10-5:20  
 MW 1:10-5:20  
 MEETS: AUG 26-DEC 20  
 6174010 2 F 1:10-5:20  
 MW 1:10-5:20  
 MEETS: AUG 26-DEC 20

## LANDSCAPE ARCHITECTURE (CONTINUED)

URBAN DESIGN L A 402H 7 CREDITS  
Prereq: L A 302  
Note: COURSE RESTRICTED TO MEMBERS OF THE UNIVERSITY HONORS PROGRAM ONLY  
Instructor permission required.  
6415005 1 F 1:10-5:20  
MW 1:10-5:20, ARRANGED  
MEETS: AUG 26-DEC 20

ADV LAND ARC DESIGN L A 404 6 CREDITS  
Prereq: L A 401  
Note: Instructor permission required 1st week.  
4781005 1 MWF 1:10-5:20  
MEETS: AUG 26-DEC 20  
4781010 2 MWF 1:10-5:20  
MEETS: AUG 26-DEC 20

ADV LAND ARC DESIGN L A 404H 6- 7 CREDITS  
Prereq: L A 401. MEMBERSHIP IN UNIV HONORS PROGRAM.  
Note: COURSE ONLY OFFERED FOR 6 CREDITS FALL 2019  
Instructor permission required.  
7150005 1 MWF 1:10-5:20  
MEETS: AUG 26-DEC 20

LAND ARCH INTERNSHP L A 444A R CREDIT  
Prereq: L A 341 OR PERMISSION OF ADVISER AND CHAIR  
3036005 1 ARRANGED  
MEETS: AUG 26-DEC 20

L ARCH STUDY ABROAD L A 444B R CREDIT  
Prereq: L A 341 OR PERMISSION OF ADVISER AND CHAIR  
6212005 1 ARRANGED  
MEETS: AUG 26-DEC 20

LA NAT'L STDT XCHNG L A 444C R CREDIT  
Prereq: L A 341 OR PERMISSION OF ADVISER AND CHAIR  
6213005 1 ARRANGED  
MEETS: AUG 26-DEC 20

FUND REMOTE SENSING L A 454 3 CREDITS  
Prereq: C R P 351 OR EQUIVALENT OR PERMISSION OF THE INSTRUCTOR  
2309005 1 MW 8:00-9:50  
MEETS: AUG 26-DEC 20

LANDSCAP CONSTRUCTN L A 481 3 CREDITS  
Prereq: L A 381  
6222005 1 TR 11:00-12:30  
MEETS: AUG 26-DEC 20

IND STDY LAND DSIGN L A 490A 1- 6 CREDITS  
Prereq: INSTR & DEPT CHAIR APPROVAL ON REQ'D FORM  
Note: Instructor permission required 1st week.  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

IND STDY PLNTNG DSN L A 490B 1- 6 CREDITS  
Prereq: INSTR & DEPT CHAIR APPROVAL ON REQ'D FORM  
Note: Instructor permission required 1st week.  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

IND STUDY CONSTRUCT L A 490C 1- 6 CREDITS  
Prereq: INSTR & DEPT CHAIR APPROVAL ON REQ'D FORM  
Note: Instructor permission required 1st week.  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

INDEP STUDY HISTORY L A 490D 1- 6 CREDITS  
Prereq: INSTR & DEPT CHAIR APPROVAL ON REQ'D FORM  
Note: Instructor permission required 1st week.  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

IND STU LANDSC PLAN L A 490E 1- 6 CREDITS  
Prereq: INSTR & DEPT CHAIR APPROVAL ON REQ'D FORM  
Note: Instructor permission required 1st week.  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

IND STDY URBAN DSGN L A 490F 1- 6 CREDITS  
Prereq: INSTR & DEPT CHAIR APPROVAL ON REQ'D FORM  
Note: Instructor permission required 1st week.  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

INDEP STDY GRAPHICS L A 490G 1- 6 CREDITS  
Prereq: INSTR & DEPT CHAIR APPROVAL ON REQ'D FORM  
Note: Instructor permission required 1st week.  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

INDEP STUDY HONORS L A 490H 1- 6 CREDITS  
Prereq: INSTR & DEPT CHAIR APPROVAL ON REQ'D FORM  
MEMBERSHIP IN UNIV HONORS PROGRAM  
Note: COURSE RESTRICTED TO STUDENTS IN THE UNIVERSITY HONORS PROGRAM ONLY  
Instructor permission required 1st week.  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

## LANDSCAPE ARCHITECTURE (CONTINUED)

IND STUDY INTERDISC L A 490I 1- 6 CREDITS  
Prereq: INSTR & DEPT CHAIR APPROVAL ON REQ'D FORM  
Note: Instructor permission required 1st week.  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

IND STU INT'L STUDI L A 490J 1- 6 CREDITS  
Prereq: INSTR & DEPT CHAIR APPROVAL ON REQ'D FORM  
Note: Instructor permission required 1st week.  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

IND STDY CMPTR APPL L A 490K 1- 6 CREDITS  
Prereq: INSTR & DEPT CHAIR APPROVAL ON REQ'D FORM  
Note: Instructor permission required 1st week.  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

IND STDY ECO DESIGN L A 490L 1- 6 CREDITS  
Prereq: INSTR & DEPT CHAIR APPROVAL ON REQ'D FORM  
Note: Instructor permission required 1st week.  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

IND STDY SOCIAL/BHV L A 490M 1- 6 CREDITS  
Prereq: INSTR & DEPT CHAIR APPROVAL ON REQ'D FORM  
Note: Instructor permission required 1st week.  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

IND STU NATU RESRCE L A 490N 1- 6 CREDITS  
Prereq: INSTR & DEPT CHAIR APPROVAL ON REQ'D FORM  
Note: Instructor permission required 1st week.  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

FIELD TRAVEL L A 509 1 CREDIT  
Prereq: ENROLLMENT IN THE PROFESSIONAL PROGRAM, PERMISSION OF INSTRUCTOR  
Satisfactory-Fail Only.  
8788005 1 ARRANGED  
MEETS: AUG 26-DEC 20

ADV PLANT TECHNOLOGY L A 522 3 CREDITS  
Prereq: JUNIOR OR GRADUATE STANDING  
9453005 1 T 12:40-2:00  
R 12:40-3:30  
MEETS: AUG 26-DEC 20

COLLQ II:INTDSC RES L A 545 1 CREDIT  
Prereq: L A 543 OR GRADUATE STANDING  
Satisfactory-Fail Only.  
4026005 1 T 2:40-3:50  
MEETS: AUG 26-DEC 20

FUND REMOTE SENSING L A 554 3 CREDITS  
2744005 1 MW 8:00-9:50  
MEETS: AUG 26-DEC 20

LSCP PARAMTRCS&CODG L A 557 3 CREDITS  
Prereq: JUNIOR CLASSIFICATION  
3528005 1 MW 8:30-9:50  
MEETS: AUG 26-DEC 20

LANDSCP ARCH THEORY L A 571 3 CREDITS  
Prereq: GRADUATE CLASSIFICATION OR PERMISSION OF INSTRUCTOR  
Note: Instructor permission required 1st week.  
4803005 1 T 5:10-8:00PM  
MEETS: AUG 26-DEC 20

THESIS,CRTV CMP,TUT L A 580 1- 4 CREDITS  
Prereq: PERMISSION OF MAJOR PROFESSOR  
Note: Instructor permission required 1st week.  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

LANDSCP TOPOGRAPHCS L A 583 3 CREDITS  
Prereq: L A 602  
8758005 1 MWF 10:00-11:50  
MEETS: AUG 26-DEC 20

SPL TOP LANDSC DSGN L A 590A 1- 6 CREDITS  
Prereq: APPROVAL OF INSTRUCTOR AND DIRECTOR OF GRADUATE EDUCATION ON REQUIRED FORM  
Note: Instructor permission required 1st week.  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

SPL TOPC PLNTNG DSN L A 590B 1- 6 CREDITS  
Prereq: APPROVAL OF INSTRUCTOR AND DIRECTOR OF GRADUATE EDUCATION ON REQUIRED FORM  
Note: Instructor permission required 1st week.  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

SPL TOPC CONSTRUCTN L A 590C 1- 6 CREDITS  
Prereq: APPROVAL OF INSTRUCTOR AND DIRECTOR OF GRADUATE EDUCATION ON REQUIRED FORM  
Note: Instructor permission required 1st week.  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

SPCL TOPICS HISTORY L A 590D 1- 6 CREDITS  
Prereq: APPROVAL OF INSTRUCTOR AND DIRECTOR OF GRADUATE EDUCATION ON REQUIRED FORM  
Note: Instructor permission required 1st week.  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS



LANDSCAPE ARCHITECTURE

(CONTINUED)

LEADERSHIP STUDIES

SPL TOP LANDSC PLAN L A 590E 1- 6 CREDITS  
 Prereq: APPROVAL OF INSTRUCTOR AND DIRECTOR OF GRADUATE EDUCATION ON REQUIRED FORM  
 Note: Instructor permission required 1st week.  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

SPL TOP URBAN DSIGN L A 590F 1- 6 CREDITS  
 Prereq: APPROVAL OF INSTRUCTOR AND DIRECTOR OF GRADUATE EDUCATION ON REQUIRED FORM  
 Note: Instructor permission required 1st week.  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

SPL TOPICS GRAPHICS L A 590G 1- 6 CREDITS  
 Prereq: APPROVAL OF INSTRUCTOR AND DIRECTOR OF GRADUATE EDUCATION ON REQUIRED FORM  
 Note: Instructor permission required 1st week.  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

SPL TOP INTERDISCIP L A 590I 1- 6 CREDITS  
 Prereq: APPROVAL OF INSTRUCTOR AND DIRECTOR OF GRADUATE EDUCATION ON REQUIRED FORM  
 Note: Instructor permission required 1st week.  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

SPL TOP INT'L STUDI L A 590J 1- 6 CREDITS  
 Prereq: APPROVAL OF INSTRUCTOR AND DIRECTOR OF GRADUATE EDUCATION ON REQUIRED FORM  
 Note: Instructor permission required 1st week.  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

SPL TOPC CMPTR APPL L A 590K 1- 6 CREDITS  
 Prereq: APPROVAL OF INSTRUCTOR AND DIRECTOR OF GRADUATE EDUCATION ON REQUIRED FORM  
 Note: Instructor permission required 1st week.  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

SPL TOPC ECO DESIGN L A 590L 1- 6 CREDITS  
 Prereq: APPROVAL OF INSTRUCTOR AND DIRECTOR OF GRADUATE EDUCATION ON REQUIRED FORM  
 Note: Instructor permission required 1st week.  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

SPL TOP SOCIAL/BEHV L A 590M 1- 6 CREDITS  
 Prereq: APPROVAL OF INSTRUCTOR AND DIRECTOR OF GRADUATE EDUCATION ON REQUIRED FORM  
 Note: Instructor permission required 1st week.  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

SPL TOP NATU RESRCE L A 590N 1- 6 CREDITS  
 Prereq: APPROVAL OF INSTRUCTOR AND DIRECTOR OF GRADUATE EDUCATION ON REQUIRED FORM  
 Note: Instructor permission required 1st week.  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

CREATIVE COMPONENT L A 599 1- 8 CREDITS  
 Prereq: PERMISSION OF MAJOR PROF  
 Note: Instructor permission required 1st week.  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

STUDIO I:DESIGN REP L A 601 3 CREDITS  
 Prereq: GRADUATE STANDING  
 8306005 1 F 9:00-11:30  
 MEETS: AUG 26-DEC 20

STDO III:PERFMC SCP L A 603 6 CREDITS  
 Prereq: L A 602  
 8761005 1 M 1:10-2:50  
 M 2:50-5:20  
 WF 1:10-5:20  
 MEETS: AUG 26-DEC 20

THESIS RESEARCH L A 699 1- 8 CREDITS  
 Prereq: PERMISSION OF MAJOR PROFESSOR  
 Note: Instructor permission required 1st week.  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

LATIN

ELEMENTARY LATIN I LATIN 101 4 CREDITS  
 Note: STUDENTS WHO HAVE COMPLETED ONE OR MORE YEARS OF HIGH SCHOOL LATIN MAY NOT ENROLL IN 101.  
 TESTOUT NOT AVAILABLE IF ALSO REGISTERED.  
 4854005 1 MTWF 12:10-1:00  
 MEETS: AUG 26-DEC 20  
 4854010 2 MTWF 2:10-3:00  
 MEETS: AUG 26-DEC 20

INDEPENDENT STUDY LATIN 490 1- 6 CREDITS  
 Prereq: 6 CR IN LATIN; PERMISSION OF DEPT CHAIR  
 Note: NO MORE THAN 9 CREDITS IN LATIN 490 MAY BE APPLIED TOWARD GRADUATION  
 Permission of department chair required.  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

LEADNG WITH PURPOSE LD ST 122 1 CREDIT  
 9525005 1 W 2:10-3:30  
 MEETS: AUG 26-NOV 15  
 Note: SEC 1 BOLD L TM  
 9525010 2 W 3:40-5:30  
 MEETS: OCT 21-DEC 20  
 Note: SEC 2 FOR STUDENTS IN THE MEN OF COLOR ORGANIZATION  
 9525015 3 T 12:40-2:00  
 MEETS: AUG 26-NOV 1  
 Note: SEC 3 RESTRICTED TO STUDENTS IN THE LAS COLLEGE

CAMPUS LDRSHP DEVEL LD ST 270 3 CREDITS  
 Note: COURSE RESTRICTED TO FIRST YEAR FRESHMAN STUDENTS ONLY  
 9524005 1 T 3:10-4:30  
 R 3:10-4:30  
 MEETS: AUG 26-DEC 20  
 Note: SEC 1 FOR FIRST-YEAR STUDENTS ENROLLED IN THE PROGRAM FOR WOMEN IN SCIENCE AND ENGINEERING (WISE) DESIGNATED STEM MAJORS  
 9524010 2 T 3:10-4:30  
 R 3:10-4:30  
 MEETS: AUG 26-DEC 20  
 Note: SEC 2 FOR FIRST-YEAR STUDENTS ENROLLED IN THE PROGRAM FOR WOMEN IN SCIENCE AND ENGINEERING (WISE) DESIGNATED STEM MAJORS  
 9524015 3 T 3:10-4:30  
 R 3:10-4:30  
 MEETS: AUG 26-DEC 20  
 Note: SEC 3 FOR FIRST-YEAR STUDENTS ENROLLED IN THE PROGRAM FOR WOMEN IN SCIENCE AND ENGINEERING (WISE) DESIGNATED STEM MAJORS  
 9524020 4 T 3:10-4:30  
 R 3:10-4:30  
 MEETS: AUG 26-DEC 20  
 Note: SEC 4 FOR FIRST-YEAR STUDENTS ENROLLED IN THE PROGRAM FOR WOMEN IN SCIENCE AND ENGINEERING (WISE) DESIGNATED STEM MAJORS  
 9524025 5 T 3:10-4:30  
 R 3:10-4:30  
 MEETS: AUG 26-DEC 20  
 Note: SEC 5 FOR FIRST-YEAR STUDENTS ENROLLED IN THE PROGRAM FOR WOMEN IN SCIENCE AND ENGINEERING (WISE) DESIGNATED STEM MAJORS  
 9524030 6 T 3:10-4:30  
 R 3:10-4:30  
 MEETS: AUG 26-DEC 20  
 Note: SEC 6 FOR FIRST-YEAR STUDENTS ENROLLED IN THE PROGRAM FOR WOMEN IN SCIENCE AND ENGINEERING (WISE) DESIGNATED STEM MAJORS  
 9524035 7 M 3:10-4:30  
 W 3:10-4:30  
 MEETS: AUG 26-DEC 20  
 9524040 8 M 3:10-4:30  
 W 3:10-4:30  
 MEETS: AUG 26-DEC 20  
 9524045 9 M 3:10-4:30  
 W 3:10-4:30  
 MEETS: AUG 26-DEC 20  
 9524050 10 M 3:10-4:30  
 W 3:10-4:30  
 MEETS: AUG 26-DEC 20  
 9524055 11 M 3:10-4:30  
 W 3:10-4:30  
 MEETS: AUG 26-DEC 20  
 9524060 12 M 3:10-4:30  
 W 3:10-4:30  
 MEETS: AUG 26-DEC 20  
 9524065 13 M 3:10-4:30  
 W 3:10-4:30  
 MEETS: AUG 26-DEC 20  
 9524070 14 M 3:10-4:30  
 W 3:10-4:30  
 MEETS: AUG 26-DEC 20  
 9524075 15 M 3:10-4:30  
 W 3:10-4:30  
 MEETS: AUG 26-DEC 20  
 9524080 16 M 3:10-4:30  
 W 3:10-4:30  
 MEETS: AUG 26-DEC 20

INDEPENDENT STUDY LD ST 290 1- 3 CREDITS  
 Prereq: PERMISSION OF THE INSTRUCTOR  
 Note: NO MORE THAN 6 CREDITS OF LD ST 290 OR LD ST 490 MAY BE APPLIED TOWARD GRADUATION  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

LEAD THRU SRVC LRNG LD ST 291A 1- 4 CREDITS  
 6112005 1 TR 3:40-5:00  
 MEETS: AUG 26-DEC 20  
 Note: SEC 1 OFFERED FOR 3 CREDITS FALL 2019 FOR GREEK AFFAIRS STUDENTS ONLY

LEADERSHIP STUDIES

(CONTINUED)

LDRSHP DIVERSE SOCI LD ST 322 3 CREDITS  
 Prereq: SOPHOMORE CLASSIFICATION  
 Note: Meets U.S. diversity reqmt  
 4949005 1 TR 2:10-3:30  
 MEETS: AUG 26-DEC 20  
 Note: SEC 1 RESTRICTED TO SOPH & ABOVE INCLUDING  
 ON-CAMPUS SPECIALS & GRADS.  
 4949010 2 TR 8:00-9:20  
 MEETS: AUG 26-DEC 20  
 4949015 3 TR 3:40-5:00  
 MEETS: AUG 26-DEC 20  
 4949020 4 M 12:10-3:00  
 MEETS: AUG 26-DEC 20  
 Note: SEC 4 FOR VERMEER SCHOLARS ONLY

SPL TOPC: LEADERSHP LD ST 370 1- 3 CREDITS  
 Note: COURSE TOPIC: LEADERSHIP & GROUP DEVELOPMENT  
 9937005 1 TR 11:00-12:20  
 MEETS: AUG 26-DEC 20  
 9937010 2 TR 8:00-9:20  
 MEETS: AUG 26-DEC 20

INDEPENDENT STUDY LD ST 490 1- 3 CREDITS  
 Prereq: PERMISSION OF INSTRUCTOR  
 Note: NO MORE THAN 6 CREDITS OF LD ST 290 OR LD ST 490  
 MAY BE APPLIED TOWARD GRADUATION  
 Department permission required.  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

**LEARNING AND LEADERSHIP SCIENCES**

FOUND LEARNING&TEAM L L S 112 2 CREDITS  
 3590005 1 T 12:10-2:00  
 MEETS: AUG 26-DEC 20  
 3590010 2 W 4:10-6:00PM  
 MEETS: AUG 26-DEC 20

HABITS OF MIND LDRS L L S 212 2 CREDITS  
 Prereq: L L S 114  
 3591005 1 W 4:10-6:00PM  
 MEETS: AUG 26-DEC 20

LRNG&LDR IN PRACTCE L L S 412 3 CREDITS  
 Prereq: L L S 312  
 3595005 1 W 4:10-6:30PM  
 MEETS: AUG 26-DEC 20

**LIBERAL ARTS & SCIENCES**

ORIENTATION LAS 101 1 CREDIT  
 Note: COURSE IS A HYBRID - HAS WWW INSTRUCTION  
 Satisfactory-Fail Only.  
 6241005 1 T 8:00-8:50, ARRANGED  
 MEETS: AUG 26-NOV 1  
 6241010 2 T 8:00-8:50, ARRANGED  
 MEETS: AUG 26-NOV 1  
 6241015 3 T 8:00-8:50, ARRANGED  
 MEETS: AUG 26-NOV 1  
 6241020 4 T 8:00-8:50, ARRANGED  
 MEETS: AUG 26-NOV 1  
 6241025 5 T 8:00-8:50, ARRANGED  
 MEETS: AUG 26-NOV 1  
 6241030 6 T 8:00-8:50, ARRANGED  
 MEETS: AUG 26-NOV 1  
 6241035 7 T 8:00-8:50, ARRANGED  
 MEETS: AUG 26-NOV 1  
 6241040 8 T 8:00-8:50, ARRANGED  
 MEETS: AUG 26-NOV 1  
 6241045 9 T 8:00-8:50, ARRANGED  
 MEETS: AUG 26-NOV 1  
 6241050 10 T 8:00-8:50, ARRANGED  
 MEETS: AUG 26-NOV 1  
 6241055 11 R 8:00-8:50, ARRANGED  
 MEETS: AUG 26-NOV 1  
 6241060 12 R 8:00-8:50, ARRANGED  
 MEETS: AUG 26-NOV 1  
 6241070 13 R 8:00-8:50, ARRANGED  
 MEETS: AUG 26-NOV 1  
 6241075 14 R 8:00-8:50, ARRANGED  
 MEETS: AUG 26-NOV 1  
 6241080 15 R 8:00-8:50, ARRANGED  
 MEETS: AUG 26-NOV 1  
 6241085 16 R 8:00-8:50, ARRANGED  
 MEETS: AUG 26-NOV 1  
 6241090 17 R 8:00-8:50, ARRANGED  
 MEETS: AUG 26-NOV 1  
 6241095 18 R 8:00-8:50, ARRANGED  
 MEETS: AUG 26-NOV 1  
 6241100 19 R 8:00-8:50, ARRANGED  
 MEETS: AUG 26-NOV 1  
 6241105 20 R 8:00-8:50, ARRANGED  
 MEETS: AUG 26-NOV 1

LIBERAL ARTS & SCIENCES

(CONTINUED)

MATH &SCI FRONTIERS LAS 103D 1 CREDIT  
 Note: NO MORE THAN 3 TOTAL CREDITS OF LAS 103X,  
 LAS 103A, LAS 103B, LAS 103C, LAS 103D, AND LAS 103E  
 MAY BE APPLIED TOWARD GRADUATION. LAS 103D IS  
 RESTRICTED TO OPEN, P H P, P MED NEW FRESHMEN ONLY.  
 Satisfactory-Fail Only.  
 7465005 1 M 3:10-5:00  
 MEETS: AUG 26-DEC 20  
 Note: SEC 1 FOCUS - SAVE PLANET EARTH  
 7465010 2 W 3:10-5:00  
 MEETS: AUG 26-DEC 20  
 Note: SEC 2 FOCUS - HELPING PEOPLE: THE HEALTH  
 CARE CAREER SPECTRUM  
 7465015 3 W 3:10-5:00  
 MEETS: AUG 26-DEC 20  
 Note: SEC 3 FOCUS - WEB OF SUCCESS  
 7465020 4 W 3:10-5:00  
 MEETS: AUG 26-DEC 20  
 Note: SEC 4 FOCUS - CREATIVE SOLUTIONS TO  
 TOMORROW'S PROBLEMS  
 7465025 5 W 3:10-5:00  
 MEETS: AUG 26-DEC 20  
 Note: SEC 5 FOCUS - BRINGING NUMBERS TO LIFE

BOLD LRNG CMM ORIEN LAS 105 1 CREDIT  
 Prereq: MEMBERSHIP IN THE BOLD LEARNING COMMUNITY  
 Satisfactory-Fail Only.  
 8953005 1 W 4:10-5:25  
 MEETS: AUG 26-DEC 20  
 Note: Instructor permission required.

DEANS LDRSHP SMNR I LAS 151 1 CREDIT  
 Prereq: SELECTION BASED ON APPLICATION  
 8010005 1 W 4:10-5:00  
 MEETS: AUG 26-DEC 20  
 Note: Instructor permission required.

PRE-LAW SEMINAR LAS 240 1 CREDIT  
 Satisfactory-Fail Only.  
 4763005 1 W 4:10-5:00  
 MEETS: AUG 26-DEC 20

STEM SCHOLARS SEMNR LAS 245 1 CREDIT  
 Satisfactory-Fail Only.  
 4866005 1 M 4:10-5:00  
 MEETS: AUG 26-DEC 20

INDEPENDENT STUDY LAS 290 1- 3 CREDITS  
 Prereq: PERMISSION OF LIBERAL ARTS & SCI COLLEGE  
 2654007 AS ARRANGED  
 MEETS: AUG 26-DEC 20  
 2654008 BS ARRANGED  
 MEETS: AUG 26-DEC 20  
 2654085 JD ARRANGED  
 MEETS: AUG 26-DEC 20  
 2654092 JO ARRANGED  
 MEETS: AUG 26-DEC 20  
 Note: SEC JO OFFERED FOR 1 CREDIT  
 2654098 MB ARRANGED  
 MEETS: AUG 26-DEC 20  
 Note: SEC MB OFFERED FOR 1 CREDIT  
 Instructor permission required.  
 2654104 WB ARRANGED  
 MEETS: AUG 26-DEC 20

SPL PROJCTS ADVISNG LAS 293B 1- 3 CREDITS  
 Prereq: PERMISSION OF THE COLLEGE OF LAS  
 Note: COURSE OFFERED FOR 1 CREDIT FALL 2019  
 Instructor permission required.  
 Satisfactory-Fail Only.  
 2998005 1 ARRANGED  
 MEETS: AUG 26-DEC 20

SPECIAL PROJECTS LAS 293D 1- 3 CREDITS  
 Satisfactory-Fail Only.  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

INTERNSHIP/CO-OP LAS 298 R CREDIT  
 Prereq: PERMISSION OF LAS CAREER SERVICES;  
 LAS MAJORS; FRESHMAN OR SOPHOMORE CLASSIFICATION  
 Note: Instructor permission required.  
 Satisfactory-Fail Only.  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

UNDERGRAD RESEARCH LAS 399 R CREDIT  
 4918005 1 ARRANGED  
 MEETS: AUG 26-DEC 20  
 Note: College permission required.

INDEPENDENT STUDY LAS 490A VAR. CREDITS  
 Prereq: PERMISSION OF THE LAS COLLEGE  
 Note: PERMISSION OF THE DEAN OF LAS REQUIRED TO ADD.  
 PROCESS APPROVED ADD SLIP IN 10 ENROLLMENT SERVICES  
 CENTER. NO MORE THAN 9 CREDITS OF LAS 490 MAY BE  
 APPLIED TOWARD GRADUATION.  
 College permission required.  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

LIBERAL ARTS & SCIENCES (CONTINUED)

IND STDY ENTREPRNSH LAS 490E VAR. CREDITS  
 Prereq: PERMISSION OF THE LAS COLLEGE  
 Note: PERMISSION OF THE DEAN OF LAS REQUIRED TO ADD.  
 PROCESS APPROVED ADD SLIP IN 10 ENROLLMENT SERVICES  
 CENTER. NO MORE THAN 9 CREDITS OF LAS 490 MAY BE  
 APPLIED TOWARD GRADUATION.  
 College permission required.  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

INTERNSHIP/CO-OP LAS 498 R CREDIT  
 Prereq: PERMISSION OF LAS CAREER SERVICES;  
 LAS MAJORS; JUNIOR OR SENIOR CLASSIFICATION  
 Note: Instructor permission required.  
 Satisfactory-Fail Only.

4543005 1 ARRANGED  
 MEETS: AUG 26-DEC 20

4543010 2 ARRANGED  
 MEETS: AUG 26-DEC 20

INTERNSHIP LAS 499 1- 4 CREDITS  
 Prereq: PERMISSION OF LAS CAREER SERVICES  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

LIBRARY

INFORMATN LITERACY LIB 160 1 CREDIT  
 Prereq: COMPLETION OF ENGL 101 REQUIRED FOR  
 STUDENTS PLACED IN ENGL 101  
 Note: TEST-OUT EXAM SCHEDULED. WED., SEPT 4  
 THURS., SEPT 5, WED., OCT 30, AND THURS., OCT 31.  
 SPECIAL LIB TEST-OUT FEE IS \$100. DETAILS AVAILABLE  
 IN 140 PARKS LIBRARY.  
 Satisfactory-Fail Only.

4862005 1 M 9:00-9:50, ARRANGED  
 MEETS: AUG 26-OCT 18

4862010 2 M 10:00-10:50  
 ARRANGED  
 MEETS: AUG 26-OCT 18

4862015 3 M 11:00-11:50  
 ARRANGED  
 MEETS: AUG 26-OCT 18

4862020 4 M 1:10-2:00, ARRANGED  
 MEETS: AUG 26-OCT 18

4862025 5 M 2:10-3:00, ARRANGED  
 MEETS: AUG 26-OCT 18

4862030 6 T 9:00-9:50, ARRANGED  
 MEETS: AUG 26-OCT 18

4862035 7 T 10:00-10:50  
 ARRANGED  
 MEETS: AUG 26-OCT 18

4862040 8 T 11:00-11:50  
 ARRANGED  
 MEETS: AUG 26-OCT 18

4862045 9 T 1:10-2:00, ARRANGED  
 MEETS: AUG 26-OCT 18

4862050 10 T 2:10-3:00, ARRANGED  
 MEETS: AUG 26-OCT 18

4862055 11 W 9:00-9:50, ARRANGED  
 MEETS: AUG 26-OCT 18

4862060 12 W 10:00-10:50  
 ARRANGED  
 MEETS: AUG 26-OCT 18

4862065 13 W 11:00-11:50  
 ARRANGED  
 MEETS: AUG 26-OCT 18

4862070 14 W 1:10-2:00, ARRANGED  
 MEETS: AUG 26-OCT 18

4862075 15 W 2:10-3:00, ARRANGED  
 MEETS: AUG 26-OCT 18

4862080 16 R 9:00-9:50, ARRANGED  
 MEETS: AUG 26-OCT 18

4862085 17 R 10:00-10:50  
 ARRANGED  
 MEETS: AUG 26-OCT 18

4862090 18 R 11:00-11:50  
 ARRANGED  
 MEETS: AUG 26-OCT 18

4862095 19 R 1:10-2:00, ARRANGED  
 MEETS: AUG 26-OCT 18

4862100 20 R 2:10-3:00, ARRANGED  
 MEETS: AUG 26-OCT 18

4862105 21 F 9:00-9:50, ARRANGED  
 MEETS: AUG 26-OCT 18

4862110 22 F 10:00-10:50  
 ARRANGED  
 MEETS: AUG 26-OCT 18

4862115 23 F 11:00-11:50  
 ARRANGED  
 MEETS: AUG 26-OCT 18

4862120 24 F 1:10-2:00, ARRANGED  
 MEETS: AUG 26-OCT 18

4862125 25 F 2:10-3:00, ARRANGED  
 MEETS: AUG 26-OCT 18

4862130 26 M 9:00-9:50, ARRANGED  
 MEETS: OCT 21-DEC 20

4862135 27 M 10:00-10:50  
 ARRANGED  
 MEETS: OCT 21-DEC 20

4862140 28 M 11:00-11:50  
 ARRANGED  
 MEETS: OCT 21-DEC 20

4862145 29 M 1:10-2:00, ARRANGED  
 MEETS: OCT 21-DEC 20

LIBRARY (CONTINUED)

INFORMATN LITERACY LIB 160 1 CREDIT  
 4862150 30 M 2:10-3:00, ARRANGED  
 MEETS: OCT 21-DEC 20

4862155 31 T 9:00-9:50, ARRANGED  
 MEETS: OCT 21-DEC 20

4862160 32 T 10:00-10:50  
 ARRANGED  
 MEETS: OCT 21-DEC 20

4862165 33 T 11:00-11:50  
 ARRANGED  
 MEETS: OCT 21-DEC 20

4862170 34 T 1:10-2:00, ARRANGED  
 MEETS: OCT 21-DEC 20

4862175 35 T 2:10-3:00, ARRANGED  
 MEETS: OCT 21-DEC 20

4862180 36 W 9:00-9:50, ARRANGED  
 MEETS: OCT 21-DEC 20

4862185 37 W 10:00-10:50  
 ARRANGED  
 MEETS: OCT 21-DEC 20

4862190 38 W 11:00-11:50  
 ARRANGED  
 MEETS: OCT 21-DEC 20

4862195 39 W 1:10-2:00, ARRANGED  
 MEETS: OCT 21-DEC 20

4862200 40 W 2:10-3:00, ARRANGED  
 MEETS: OCT 21-DEC 20

4862205 41 R 9:00-9:50, ARRANGED  
 MEETS: OCT 21-DEC 20

4862210 42 R 10:00-10:50  
 ARRANGED  
 MEETS: OCT 21-DEC 20

4862215 43 R 11:00-11:50  
 ARRANGED  
 MEETS: OCT 21-DEC 20

4862220 44 R 1:10-2:00, ARRANGED  
 MEETS: OCT 21-DEC 20

4862225 45 R 2:10-3:00, ARRANGED  
 MEETS: OCT 21-DEC 20

4862230 46 F 9:00-9:50, ARRANGED  
 MEETS: OCT 21-DEC 20

4862235 47 F 10:00-10:50  
 ARRANGED  
 MEETS: OCT 21-DEC 20

4862240 48 F 11:00-11:50  
 ARRANGED  
 MEETS: OCT 21-DEC 20

4862245 49 F 1:10-2:00, ARRANGED  
 MEETS: OCT 21-DEC 20

4862250 50 ARRANGED  
 MEETS: AUG 26-OCT 18  
 Note: SEC 50 FOR HONORS PROGRAM STUDENTS  
 ENTERING ISU SUMMER 2019 OR FALL 2019

4862255 51 F 2:10-3:00, ARRANGED  
 MEETS: OCT 21-DEC 20

LINGUISTICS

INTRO WORLD LANGUAG LING 119 3 CREDITS  
 Note: Meets international perspectives reqmt  
 6257005 1 MWF 3:10-4:00  
 MEETS: AUG 26-DEC 20  
 Note: SECT 1 RESTRICTED TO LING MAJORS ONLY

6257010 2 MWF 3:10-4:00  
 MEETS: AUG 26-DEC 20

COMPUTERS & LANGUAGE LING 120 3 CREDITS  
 6187005 1 MF 12:10-1:00  
 W 12:10-1:00  
 MEETS: AUG 26-DEC 20

INTR SYMBOLIC LOGIC LING 207 3 CREDITS  
 8592005 1 TR 11:00-12:20  
 MEETS: AUG 26-DEC 20

INTRO LINGUISTICS LING 219 3 CREDITS  
 Prereq: SOPHOMORE CLASSIFICATION  
 Note: COURSE RESTRICTED TO SOPHOMORES, JUNIORS,  
 AND SENIORS ONLY

8593005 1 MWF 8:00-8:50  
 MEETS: AUG 26-DEC 20  
 Note: SECT 1 RESTRICTED TO SOPHOMORES, JUNIORS  
 AND SENIORS ONLY

8593010 2 MWF 2:10-3:00  
 MEETS: AUG 26-DEC 20  
 Note: SECT 2 RESTRICTED TO ENGL, LING SOPHOMORES  
 JUNIORS, AND SENIORS

8593015 3 TR 2:10-3:30  
 MEETS: AUG 26-DEC 20  
 Note: SECT 3 RESTRICTED TO SOPHOMORES, JUNIORS  
 AND SENIORS ONLY

8593020 4 TR 12:40-2:00  
 MEETS: AUG 26-DEC 20  
 Note: SECT 4 RESTRICTED TO SOPHOMORES, JUNIORS  
 AND SENIORS ONLY

## LINGUISTICS

(CONTINUED)

DESCR ENGL GRAMMAR LING 220 3 CREDITS  
Prereq: ENGL 250  
Note: SEC A1,B1,ETC. RESTRICTED TO ENGL, TCOMM,  
LING MAJORS ONLY. SEC A2,B2,ETC. RESTRICTED  
TO MAJORS OTHER THAN ENGL, TCOMM, LING.

8594005 A1 TR 2:10-3:30  
MEETS: AUG 26-DEC 20

8594010 A2 TR 2:10-3:30  
MEETS: AUG 26-DEC 20

8594015 B1 MWF 10:00-10:50  
MEETS: AUG 26-DEC 20

8594020 B2 MWF 10:00-10:50  
MEETS: AUG 26-DEC 20

8594025 C1 MWF 9:00-9:50  
MEETS: AUG 26-DEC 20

8594030 C2 MWF 9:00-9:50  
MEETS: AUG 26-DEC 20

LANGUAG,THOUGHT&ACT LING 305 3 CREDITS  
Prereq: ENGL 250  
Note: Instructor permission required 1st week.

6411005 1 TR 9:30-10:50  
MEETS: AUG 26-DEC 20

INTRO ESL MTHDS&MAT LING 318 3 CREDITS  
Prereq: ENGL 219 OR LING 219

8996005 1 R 6:10-7:30PM  
ARRANGED  
MEETS: AUG 26-DEC 20

INTR TCHG ESL LTRCY LING 324 3 CREDITS  
3159005 1 TR 11:00-12:20  
MEETS: AUG 26-DEC 20

THEORY OF COMPUTING LING 331 3 CREDITS  
Prereq: COM S 228, COM S 229, COM S 330 OR CPR E  
310; MATH 166, ENGL 250

8601100 A MWF 9:00-9:50  
MEETS: AUG 26-DEC 20

8601005 1 R 8:00-8:50  
MEETS: AUG 26-DEC 20

8601010 2 W 2:10-3:00  
MEETS: AUG 26-DEC 20

8601015 3 R 3:10-4:00  
MEETS: AUG 26-DEC 20

INTR SPANSH PHONOLG LING 352 3 CREDITS  
Prereq: SPAN 301, SPAN 303, OR SPAN 304  
Note: Meets international perspectives reqmt

3492005 1 TR 2:10-3:30  
MEETS: AUG 26-DEC 20

HIST OF ENGLISH LANG LING 420 3 CREDITS  
Prereq: ENGL 219, ENGL 220  
Note: NOT OPEN TO FRESHMEN OR SOPHOMORES

8605005 1 MWF 3:10-4:00  
MEETS: AUG 26-DEC 20

2ND LANG LRNG&TCHNG LING 425 3 CREDITS  
Prereq: ENGL 219, JUNIOR CLASSIFICATION

9594005 1 MW 4:10-5:30  
MEETS: AUG 26-DEC 20

GRAMMATICAL ANALYSI LING 437 3 CREDITS  
Prereq: ENGL 220; JR CLASSIFICATION  
Note: COURSE NOT OPEN TO FRESHMEN OR SOPHOMORES

8604005 1 TR 9:30-10:50  
MEETS: AUG 26-DEC 20

WLD LANGU MTHDS SEC LING 487 3 CREDITS  
Prereq: 25 CREDITS IN A WORLD LANGUAGE,  
ADMISSION TO THE TEACHER EDUCATION PROGRAM, OPI  
Note: Instructor permission required.

0048005 1 R 6:10-8:50PM  
MEETS: AUG 26-DEC 20

IND STU LINGUISTICS LING 490B VAR. CREDITS  
Prereq: 9 CR IN ENGL BEYOND ENGL 250 APPROPRIATE  
TO THE TOPIC, JR CLASSIFICATION, PERMISSION OF THE  
UNDERGRADUATE STUDIES COMMITTEE  
Note: Department permission required.

\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

IND STDY LING ANTHR LING 490D 1- 5 CREDITS  
Prereq: 9 CREDITS IN ANTHROPOLOGY  
Note: NO MORE THAN 9 CREDITS OF ANTHR 490/LING 490D  
MAY BE APPLIED TOWARD GRADUATION  
Instructor permission required 1st week.

\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

INTR CPRS&APPL LING LING 510 3 CREDITS  
Prereq: GRADUATE CLASSIFICATION  
Note: COURSE RESTRICTED TO GRADUATE ENGLISH AND  
LINGUISTICS MAJORS

6450005 1 MW 2:10-3:30  
MEETS: AUG 26-DEC 20

## LINGUISTICS

(CONTINUED)

INTR LINGUIST ANALY LING 511 3 CREDITS  
Prereq: GRADUATE CLASSIFICATION  
Note: COURSE RESTRICTED TO GRADUATE ENGLISH AND  
LINGUISTICS MAJORS

8616005 1 TR 2:10-3:30  
MEETS: AUG 26-DEC 20

LANGU ASSESS PRACTM LING 513 3 CREDITS  
Prereq: ENGL 519  
Note: COURSE RESTRICTED TO GRADUATE ENGLISH MAJORS

9060005 1 ARRANGED  
MEETS: AUG 26-DEC 20  
Note: Instructor permission required.

MTHD FRML LING ANLY LING 516 3 CREDITS  
Prereq: ENGL 219/LING 219 OR EQUIVALENT  
Note: COURSE RESTRICTED TO ENGL, LING GRADUATE MAJORS  
ONLY

0035005 1 MW 9:30-11:00  
MEETS: AUG 26-DEC 20

TCHG 2D LANG PRONUN LING 525 3 CREDITS  
Prereq: ENGL 511 OR INTRO COURSE IN LINGUISTICS  
Note: COURSE RESTRICTED TO ENGL, LING GRADUATE MAJORS  
ONLY

4479005 1 TR 3:40-5:00  
MEETS: AUG 26-DEC 20

SPECIFIC PURPO ENGL LING 528 3 CREDITS  
Prereq: ENGL 511 OR INTRO COURSE IN LINGUISTICS  
Note: COURSE RESTRICTED TO ENGL, LING GRADUATE MAJORS  
ONLY

9071005 1 MW 12:40-2:00  
MEETS: AUG 26-DEC 20

CORPUS GRAMMTC ANLY LING 537 3 CREDITS  
Prereq: ENGL 220; ENGL 219 OR ENGL 511 OR AND  
INTRO COURSE IN LINGUISTICS; JUNIOR CLASSIFICATION  
Note: COURSE RESTRICTED TO GRADUATE ENGL, LING  
MAJORS

6522005 1 TR 12:40-2:00  
MEETS: AUG 26-DEC 20

PRA TCH ENG 2ND LNG LING 588 3 CREDITS  
Prereq: 9 CREDITS TOWARD THE TESL CERTIFICATE,  
15 CREDITS TOWARD THE TESL/APPLIED LING MASTER'S  
DEGREE; OR COMPLETION OF ALL OTHER REQUIREMENTS  
FOR K-12 ESL TEACHER ENDORSEMENT.  
Note: COURSE RESTRICTED TO GRADUATE ENGLISH AND  
LINGUISTICS MAJORS

6550005 1 ARRANGED  
MEETS: AUG 26-DEC 20

SPL TOP TESL/LINGUI LING 590B VAR. CREDITS  
Prereq: PERMISSION OF THE GRADUATE STUDIES  
COMMITTEE ACCORDING TO GUIDELINES AVAILABLE IN THE  
DEPARTMENT OFFICE  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

SPL TP APP LING&TEC LING 590G VAR. CREDITS  
Prereq: PERMISSION OF GRADUATE STUDIES COMMITTEE  
ACCORDING TO GUIDELINES AVAILABLE IN ENGL DEPT OFFICE  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

SMNR APPLD LINGUIST LING 630 3 CREDITS  
Prereq: ENGL 510, ENGL 511  
Note: COURSE RESTRICTED TO ENGL, TCOMM GRAD STUDENTS  
SEC 2 TOPIC: VALIDATION OF LANGUAGE ASSESSMENTS

6567005 1 MW 11:00-12:30  
MEETS: AUG 26-DEC 20  
Note: SEC 1 TOPIC: CORPUS LINGUISTICS & LANGUAGE  
TEACHING

6567010 2 TR 9:30-10:50  
MEETS: AUG 26-DEC 20  
Note: SEC 2 TOPIC: VALIDATION OF LANGUAGE ASSESSMENTS

## MANAGEMENT

ENTREPRENRSH&INNOV MGMT 310 3 CREDITS  
Prereq: SOPHOMORE CLASSIFICATION  
Note: COURSE NOT OPEN TO P BUS.  
COURSE NOT OPEN TO GRADUATE STUDENTS WITHOUT  
PERMISSION FROM 1200 GERDIN

5318005 1 TR 9:30-10:45  
MEETS: AUG 26-DEC 20

5318010 2 TR 3:40-4:55  
MEETS: AUG 26-DEC 20

5318015 3 W 6:40-9:25PM  
MEETS: AUG 26-DEC 20

5318020 4 MWF 3:10-4:00  
MEETS: AUG 26-DEC 20

5318025 5 TR 8:00-9:15  
MEETS: AUG 26-DEC 20

5318030 6 TR 2:10-3:25  
MEETS: AUG 26-DEC 20

5318035 7 MWF 10:00-10:50  
MEETS: AUG 26-DEC 20

MANAGEMENT (CONTINUED)

FEASIB ANLY&BUS PLN MGMT 313 3 CREDITS  
 Prereq: MGMT 310  
 Note: COURSE NOT OPEN TO P BUS  
 COURSE NOT OPEN TO GRADUATE STUDENTS WITHOUT  
 PERMISSION FROM 1200 GERDIN  
 6779005 1 T 6:40-9:25PM  
 MEETS: AUG 26-DEC 20  
 6779010 2 TR 12:40-1:55  
 MEETS: AUG 26-DEC 20

CORPORATE ENTREPREN MGMT 320 3 CREDITS  
 Prereq: MGMT 310  
 Note: SEC A1 ETC RESTRICTED TO ACCT, ACSCI, BUS S,  
 BUS S, BUSEC, ENTSP, FIN, MGMT, MIS, MKT, SCM MAJORS  
 SEC A2 ETC FOR COLLEGES OTHER THAN BUSINESS  
 MAJORS.  
 COURSE NOT OPEN TO GRADUATE STUDENTS WITHOUT  
 PERMISSION FROM 1200 GERDIN  
 8543005 A1 TR 9:30-10:45  
 MEETS: AUG 26-DEC 20  
 8543010 A2 TR 9:30-10:45  
 MEETS: AUG 26-DEC 20

MANAGMT ORGANIZATNS MGMT 370 3 CREDITS  
 Prereq: ECON 101 OR ECON 102  
 Note: COURSE NOT OPEN TO P BUS  
 5282005 1 TR 8:00-9:15  
 MEETS: AUG 26-DEC 20  
 Note: SEC 1 RESTRICTED TO ACCT, ACSCI, AG B, AG SO,  
 AN S, AST, BUS S, BUS U, BUSEC, DY S, ENTSP, FIN,  
 FS A, HORT, I BUS, I TEC, MGMT, MIS, MKT, SCM  
 UNDERGRADS ONLY.  
 5282010 2 MW 5:10-6:25PM  
 MEETS: AUG 26-DEC 20  
 Note: SEC 2 RESTRICTED TO ACCT, ACSCI, AG B, AG SO,  
 AN S, AST, BUS S, BUS U, BUSEC, DY S, ENTSP, FIN,  
 FS A, HORT, I BUS, I TEC, MGMT, MIS, MKT, SCM  
 UNDERGRADS ONLY.  
 5282015 3 MWF 2:10-3:00  
 MEETS: AUG 26-DEC 20  
 Note: SEC 3 RESTRICTED TO ACCT, ACSCI, AG B, AG SO,  
 AN S, AST, BUS S, BUS U, BUSEC, DY S, ENTSP, FIN,  
 FS A, HORT, I BUS, I TEC, MGMT, MIS, MKT, SCM  
 UNDERGRADS ONLY.  
 5282020 4 MWF 12:10-1:00  
 MEETS: AUG 26-DEC 20  
 Note: SEC 4 RESTRICTED TO ACCT, ACSCI, AG B, AG SO,  
 AN S, AST, BUS S, BUS U, BUSEC, DY S, ENTSP, FIN,  
 FS A, HORT, I BUS, I TEC, MGMT, MIS, MKT, SCM  
 UNDERGRADS ONLY.  
 5282025 5 TR 9:30-10:45  
 MEETS: AUG 26-DEC 20  
 Note: SEC 5 RESTRICTED TO ACCT, ACSCI, AG B, AG SO,  
 AN S, AST, BUS S, BUS U, BUSEC, DY S, ENTSP, FIN,  
 FS A, HORT, I BUS, I TEC, MGMT, MIS, MKT, SCM  
 UNDERGRADS ONLY.  
 5282030 6 M 6:40-9:25PM  
 MEETS: AUG 26-DEC 20  
 Note: SEC 6 RESTRICTED TO ACCT, ACSCI, AG B, AG SO,  
 AN S, AST, BUS S, BUS U, BUSEC, DY S, ENTSP, FIN,  
 FS A, HORT, I BUS, I TEC, MGMT, MIS, MKT, SCM  
 UNDERGRADS ONLY.  
 5282035 7 M 6:40-9:25PM  
 MEETS: AUG 26-DEC 20  
 Note: SEC 7 RESTRICTED TO MAJORS OTHER THAN ACCT, AG B,  
 AN S, AST, BUS S, BUS U, BUSEC, DY S, FIN, FS A,  
 HORT, I BUS, I TEC, MGMT, MIS, MKT, P BUS, SCIS, SCM  
 MAJORS ONLY  
 5282040 8 MWF 8:00-8:50  
 MEETS: AUG 26-DEC 20  
 Note: SEC 8 RESTRICTED TO ACCT, ACSCI, AG B, AG SO,  
 AN S, AST, BUS S, BUS U, BUSEC, DY S, ENTSP, FIN,  
 FS A, HORT, I BUS, I TEC, MGMT, MIS, MKT, SCM  
 UNDERGRADS ONLY.  
 5282045 9 TR 2:10-3:25  
 MEETS: AUG 26-DEC 20  
 Note: SEC 9 RESTRICTED TO MAJORS OTHER THAN ACCT, AG B,  
 AN S, AST, BUS S, BUS U, BUSEC, DY S, FIN, FS A,  
 HORT, I BUS, I TEC, MGMT, MIS, MKT, P BUS, SCIS, SCM  
 MAJORS ONLY  
 5282050 10 TR 2:10-3:25  
 MEETS: AUG 26-DEC 20  
 Note: SEC 10 RESTRICTED TO ACCT, ACSCI, AG B, AG SO,  
 AN S, AST, BUS S, BUS U, BUSEC, DY S, ENTSP, FIN,  
 FS A, HORT, I BUS, I TEC, MGMT, MIS, MKT, SCM  
 UNDERGRADS ONLY.

ORGANIZATNAL BEHAVR MGMT 371 3 CREDITS  
 Prereq: SOPHOMORE CLASSIFICATION  
 Note: SEC A1,B1,ETC RESTRICTED TO ACCT, ACSCI, BUS S,  
 BUS U, BUSEC, ENTSP, FIN, MGMT, MIS, MKT, SCM  
 UNDERGRADS SEC A2,B2,ETC FOR COLLEGES OTHER THAN  
 BUSINESS. GRAD STUDENTS GO TO 1200 GERDIN FOR  
 PERMISSION TO ADD  
 5283005 A1 TR 8:00-9:15  
 MEETS: AUG 26-DEC 20  
 5283010 A2 TR 8:00-9:15  
 MEETS: AUG 26-DEC 20  
 5283015 B1 MWF 11:00-11:50  
 MEETS: AUG 26-DEC 20  
 5283020 B2 MWF 11:00-11:50  
 MEETS: AUG 26-DEC 20  
 5283025 C1 MWF 10:00-10:50  
 MEETS: AUG 26-DEC 20  
 5283030 C2 MWF 10:00-10:50  
 MEETS: AUG 26-DEC 20

MANAGEMENT (CONTINUED)

ORGANIZATNAL BEHAVR MGMT 371 3 CREDITS  
 5283035 D1 TR 9:30-10:45  
 MEETS: AUG 26-DEC 20  
 5283040 D2 TR 9:30-10:45  
 MEETS: AUG 26-DEC 20  
 5283045 E1 T 6:40-9:25PM  
 MEETS: AUG 26-DEC 20  
 5283050 E2 T 6:40-9:25PM  
 MEETS: AUG 26-DEC 20  
 5283055 F1 TR 11:00-12:15  
 MEETS: AUG 26-DEC 20  
 5283060 F2 TR 11:00-12:15  
 MEETS: AUG 26-DEC 20  
 5283065 G1 TR 12:40-1:55  
 MEETS: AUG 26-DEC 20  
 5283070 G2 TR 12:40-1:55  
 MEETS: AUG 26-DEC 20

RESPONSBL MGT BSNSS MGMT 372 3 CREDITS  
 Prereq: PHIL 230  
 Note: COURSE RESTRICTED TO UNDERGRADUATE BUSINESS  
 STUDENTS ONLY. NOT OPEN TO P BUS.  
 7048005 1 TR 2:10-3:25  
 MEETS: AUG 26-DEC 20  
 7048010 2 TR 8:00-9:15  
 MEETS: AUG 26-DEC 20  
 7048015 3 TR 9:30-10:45  
 MEETS: AUG 26-DEC 20  
 7048020 4 T 6:40-9:25PM  
 MEETS: AUG 26-DEC 20  
 7048025 5 TR 3:40-4:55  
 MEETS: AUG 26-DEC 20  
 7048030 6 MWF 2:10-3:00  
 MEETS: AUG 26-DEC 20  
 7048035 7 MWF 3:10-4:00  
 MEETS: AUG 26-DEC 20  
 7048040 8 MWF 10:00-10:50  
 MEETS: AUG 26-DEC 20

SOCIAL ENTREPRNRSH MGMT 410 3 CREDITS  
 Prereq: SOPHOMORE CLASSIFICATION  
 Note: NOT OPEN TO P BUS. GRAD STUDENTS MUST GET  
 PERMISSION FROM 1200 GERDIN TO ADD.  
 7200005 A1 M 6:40-9:25PM  
 MEETS: AUG 26-DEC 20  
 Note: SEC A1 RESTRICTED TO ENTSP, MGMT  
 MAJORS ONLY  
 7200010 A2 M 6:40-9:25PM  
 MEETS: AUG 26-DEC 20  
 Note: SEC A2 RESTRICTED TO MAJORS OTHER THAN  
 ENTSP, MGMT, P BUS

INTERNATIONAL MGMT MGMT 414 3 CREDITS  
 Prereq: MGMT 370 OR MGMT 371  
 Note: SEC A1,B1 RESTRICTED TO MGMT, AG B, I BUS,  
 I TEC MAJORS ONLY. SEC A2,B2 RESTRICTED TO ACCT,  
 ACSCI, BUS U, BUSEC, ENTSP, FIN, MIS, MKT, SCM  
 MAJORS ONLY NGRADUATE STUDENTS GO TO 1200 GERDIN FOR  
 PERMISSION TO ADD.  
 5285015 A1 TR 11:00-12:15  
 MEETS: AUG 26-DEC 20  
 5285020 A2 TR 11:00-12:15  
 MEETS: AUG 26-DEC 20  
 5285025 B1 TR 8:00-9:15  
 MEETS: AUG 26-DEC 20  
 5285030 B2 TR 8:00-9:15  
 MEETS: AUG 26-DEC 20

NEGOTIA&CNFLCT RESO MGMT 422X 3 CREDITS  
 Prereq: MGMT 371  
 0166005 A1 TR 2:10-3:25  
 MEETS: AUG 26-DEC 20  
 Note: SEC A1 RESTRICTED TO ACCT, ACSCI, BUS S, BUS U,  
 BUS U, BUSEC, ENTSP, FIN, MGMT, MIS, MKT, SCM MAJORS  
 ONLY  
 0166010 A2 TR 2:10-3:25  
 MEETS: AUG 26-DEC 20  
 Note: SEC A2 RESTRICTED TO MAJORS OTHER THAN  
 ACCT, ACSCI, BUS S, BUS U, BUSEC, ENTSP,  
 FIN, MGMT, MIS, MKT, P BUS, SCM.

PERS&HUM RESOUR MGT MGMT 471 3 CREDITS  
 Prereq: MGMT 371  
 Note: SEC A1,B1 RESTRICTED TO ACCT, ACSCI, BUS U,  
 BUSEC, ENTSP, FIN, MGMT, MIS, MKT, SCM JRS & SRS  
 AND BUS S. SEC A2,B2 RESTRICTED TO JRS,  
 SRS & SPECIAL STUDENTS IN COLLEGES OTHER THAN  
 BUSINESS.  
 5293005 A1 TR 11:00-12:15  
 MEETS: AUG 26-DEC 20  
 5293010 A2 TR 11:00-12:15  
 MEETS: AUG 26-DEC 20  
 5293015 B1 TR 12:40-1:55  
 MEETS: AUG 26-DEC 20  
 5293020 B2 TR 12:40-1:55  
 MEETS: AUG 26-DEC 20  
 5293025 C1 TR 5:10-6:25PM  
 MEETS: AUG 26-DEC 20  
 5293030 C2 TR 5:10-6:25PM  
 MEETS: AUG 26-DEC 20

MANAGEMENT

(CONTINUED)

MANAGE OF DIVERSITY MGMT 472 3 CREDITS  
 Prereq: JUNIOR CLASSIFICATION  
 Note: GRADUATE STUDENTS GO TO 1200 GERDIN FOR PERMISSION TO ADD  
 Meets U.S. diversity reqmt  
 4444015 A1 MWF 2:10-3:00  
 MEETS: AUG 26-DEC 20  
 Note: SEC A1 RESTRICTED TO ACCT, ACSCI, BUS U, BUSEC, ENTSP, FIN, MGMT, MIS, MKT, SCM JRS & SRS & BUS S MAJORS  
 4444020 A2 MWF 2:10-3:00  
 MEETS: AUG 26-DEC 20  
 Note: SEC A2 RESTRICTED TO JUNIORS AND SENIORS IN COLLEGES OTHER THAN BUSINESS

ADV HUMN RSRC MGT I MGMT 473X 3 CREDITS  
 Prereq: MGMT 471  
 Note: COURSE RESTRICTED TO ACCT, ACSCI, BUS U, BUSEC, ENTSP, FIN, MGMT, MIS, MKT, SCM UNDERGRADS ONLY  
 0167005 1 TR 11:00-12:15  
 MEETS: AUG 26-DEC 20  
 0167010 2 R 6:40-9:25PM  
 MEETS: AUG 26-DEC 20

STRATEGIC MANAGEMNT MGMT 478 3 CREDITS  
 Prereq: ACCT 285; FIN 301; MGMT 370 OR MGMT 371; MKT 340; SCM 301; GRADUATING SENIOR  
 Note: COURSE RESTRICTED TO SENIORS IN THE COLLEGE OF BUSINESS  
 5294005 1 MW 5:10-6:25PM  
 MEETS: AUG 26-DEC 20  
 5294010 2 TR 9:30-10:50  
 MEETS: AUG 26-DEC 20  
 5294015 3 TR 11:00-12:20  
 MEETS: AUG 26-DEC 20  
 5294020 4 TR 2:10-3:25  
 MEETS: AUG 26-DEC 20  
 5294025 5 MWF 1:10-2:00  
 MEETS: AUG 26-DEC 20  
 5294030 6 TR 3:40-4:55  
 MEETS: AUG 26-DEC 20  
 5294035 7 MWF 11:00-11:50  
 MEETS: AUG 26-DEC 20  
 5294040 8 MWF 3:10-4:00  
 MEETS: AUG 26-DEC 20  
 5294045 9 T 6:40-9:25PM  
 MEETS: AUG 26-DEC 20

APP ENTREPRENEURSH MGMT 480 3 CREDITS  
 Prereq: MGMT 310; MGMT 313 OR MGMT 320  
 Note: COURSE RESTRICTED TO UNDERGRADUATE BUSINESS STUDENTS SOPHOMORE AND ABOVE. NOT OPEN TO P BUS.  
 0018005 1 MWF 10:00-10:50  
 MEETS: AUG 26-DEC 20

INDEPENDENT STUDY MGMT 490 1- 3 CREDITS  
 Prereq: SENIOR CLASSIFICATION, INSTRUCTOR PERMISSION  
 Note: Department permission required.  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

ORGANIZTNL BEHAVIOR MGMT 502 3 CREDITS  
 Prereq: ENROLLMENT IN MBA PROGRAM OR DEPARTMENTAL PERMISSION  
 Note: COURSE RESTRICTED TO BUSAD MAJORS ONLY  
 9338005 1 MW 7:30-10:50  
 ARRANGED  
 MEETS: SEPT 2-OCT 9

PRO RSPNSBLTY BSNS MGMT 503 3 CREDITS  
 Prereq: ENROLLMENT IN MBA PROGRAM OR DEPARTMENT PERMISSION, ACCT 501, FIN 501, MGMT 502, MKT 501  
 Note: COURSE RESTRICTED TO BUSAD MAJORS ONLY  
 3816005 1 TR 7:30-10:50  
 MEETS: SEPT 3-OCT 10

STRATEGIC MANAGEMNT MGMT 504 3 CREDITS  
 Prereq: ENROLLMENT IN MBA PROGRAM OR DEPARTMENT PERMISSION, ACCT 501, FIN 501, MGMT 502, MKT 501  
 Note: COURSE RESTRICTED TO BUSAD MAJORS ONLY  
 3817005 1 TR 7:30-10:50  
 MEETS: OCT 15-NOV 21

SEMNR PERSONNEL MGT MGMT 571 3 CREDITS  
 Prereq: MGMT 371 OR MGMT 502 OR SOC 420  
 Note: RESTRICTED TO BUSINESS COLLEGE GRADUATE STUDENTS  
 5301005 1 R 6:40-10:00PM  
 MEETS: SEPT 5-NOV 21

SPECIAL TOPICS MGMT 590 1- 3 CREDITS  
 Prereq: PERMISSION OF INSTRUCTOR  
 Note: RESTRICTED TO BUSINESS COLLEGE GRADUATE STUDENTS  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

MANAGEMENT

(CONTINUED)

SMNR STRATEGIC MGMT MGMT 605 3 CREDITS  
 Note: RESTRICTED TO BUSINESS COLLEGE GRADUATE STUDENTS  
 0052005 1 T 8:00-10:50  
 MEETS: AUG 26-DEC 20

RESRCH PRACTICUM I MGMT 650 1 CREDIT  
 Prereq: ENROLLMENT IN PH D PROGRAM  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

**MANAGEMENT INFORMATION SYSTEMS**

FUND CPTR PROGRAMNG MIS 207 3 CREDITS  
 Prereq: MATH 150 OR PLACEMENT INTO MATH 140 OR HIGHER  
 Note: CREDIT FOR EITHER COM S 207 OR COM S 227, BUT NOT BOTH, MAY BE APPLIED TOWARD GRADUATION  
 Night exams scheduled. For dates go to <http://www.registrar.iastate.edu/students/exams/night-exams>.  
 6633005 1 MWF 10:00-10:50  
 W 9:00-9:50  
 MEETS: AUG 26-DEC 20  
 6633010 2 MWF 9:00-9:50  
 MEETS: AUG 26-DEC 20  
 Note: SEC 2 RESTRICTED TO BUS COLLEGE STUDENTS ONLY  
 6633015 3 MWF 1:10-2:00  
 MEETS: AUG 26-DEC 20  
 Note: SEC 3 RESTRICTED TO BUS COLLEGE STUDENTS ONLY

MGMT INFO SYSTEMS MIS 301 3 CREDITS  
 Prereq: COM S 113 OR BUSAD 150  
 Note: SEC A1,B1,ETC. RESTRICTED TO ACCT, ACSCI, AG B, AST, BUS S, BUS U, BUSEC, ENTSP, FIN, I TEC, MGMT, MIS, MKT, SCM UNDERGRAD MAJORS. SEC A2,B2,ETC. RESTRICTED TO UNDERGRAD MAJORS OTHER THAN ACCT, AG B, ACSCI, AST. BUS S, BUS U, BUSAD, BUSED, ENTSP, FIN, I BUS, I TEC, MGMT, MIS, MKT, P BUS, SCM.  
 4394005 A1 MWF 1:10-2:00  
 MEETS: AUG 26-DEC 20  
 4394010 A2 MWF 1:10-2:00  
 MEETS: AUG 26-DEC 20  
 4394015 B1 MWF 2:10-3:00  
 MEETS: AUG 26-DEC 20  
 4394020 B2 MWF 2:10-3:00  
 MEETS: AUG 26-DEC 20  
 4394025 C1 TR 2:10-3:25  
 MEETS: AUG 26-DEC 20  
 4394030 C2 TR 2:10-3:25  
 MEETS: AUG 26-DEC 20  
 4394035 D1 MWF 12:10-1:00  
 MEETS: AUG 26-DEC 20  
 4394040 D2 MWF 12:10-1:00  
 MEETS: AUG 26-DEC 20  
 4394045 E1 MWF 8:00-8:50  
 MEETS: AUG 26-DEC 20  
 4394050 E2 MWF 8:00-8:50  
 MEETS: AUG 26-DEC 20  
 4394055 F1 W 6:40-9:25PM  
 MEETS: AUG 26-DEC 20  
 4394060 F2 W 6:40-9:25PM  
 MEETS: AUG 26-DEC 20  
 4394065 G1 TR 12:40-1:55  
 MEETS: AUG 26-DEC 20  
 4394070 G2 TR 12:40-1:55  
 MEETS: AUG 26-DEC 20  
 4394075 J1 MWF 9:00-9:50  
 MEETS: AUG 26-DEC 20  
 4394080 J2 MWF 9:00-9:50  
 MEETS: AUG 26-DEC 20  
 4394085 K1 MWF 11:00-11:50  
 MEETS: AUG 26-DEC 20  
 4394090 K2 MWF 11:00-11:50  
 MEETS: AUG 26-DEC 20  
 4394095 L1 TR 5:10-6:25PM  
 MEETS: AUG 26-DEC 20  
 4394100 L2 TR 5:10-6:25PM  
 MEETS: AUG 26-DEC 20  
 4394105 M1 MWF 1:10-2:00  
 MEETS: AUG 26-DEC 20  
 4394110 M2 MWF 1:10-2:00  
 MEETS: AUG 26-DEC 20  
 4394115 N1 MWF 3:10-4:00  
 MEETS: AUG 26-DEC 20  
 4394120 N2 MWF 3:10-4:00  
 MEETS: AUG 26-DEC 20  
 4394125 P1 TR 9:30-10:45  
 MEETS: AUG 26-DEC 20  
 4394130 P2 TR 9:30-10:45  
 MEETS: AUG 26-DEC 20

INTMD BSNESS PRGRMG MIS 307 3 CREDITS  
 Prereq: MIS 207/COM S 207 OR COM S 227;  
 CREDIT OR ENROLLMENT IN MIS 301  
 Note: SEC A1,B1 RESTRICTED TO MIS MAJORS ONLY.  
 SEC A2,B2 RESTRICTED TO ACCT, ACSCI, BUS U, BUSEC, ENTSP, FIN, MGMT, MKT, SCM UNDERGRAD MAJORS ONLY.  
 9608005 A1 MWF 11:00-11:50  
 MEETS: AUG 26-DEC 20  
 9608015 A2 MWF 11:00-11:50  
 MEETS: AUG 26-DEC 20  
 9608010 B1 MWF 1:10-2:00  
 MEETS: AUG 26-DEC 20  
 9608020 B2 MWF 1:10-2:00  
 MEETS: AUG 26-DEC 20

## MANAGEMENT INFORMATION SYSTEMS (CONTINUED)

INTMD BSNESS PRGRMG MIS 307 3 CREDITS  
9608025 C1 MWF 2:10-3:00  
MEETS: AUG 26-DEC 20  
9608030 C2 MWF 2:10-3:00  
MEETS: AUG 26-DEC 20

INFO SYST ANALYSIS MIS 310 3 CREDITS  
Prereq: CREDIT OR ENROLLMENT IN MIS 301  
Note: SEC A1,B1,C1 RESTRICTED TO MIS MAJORS ONLY.  
SEC A2,B2 RESTRICTED TO ACCT, ACSCI, BUS U, BUSEC,  
ENTSP, FIN, MGMT, MKT, SCM UNDERGRAD MAJORS ONLY.

5290005 A1 TR 11:00-12:15  
MEETS: AUG 26-DEC 20  
5290010 A2 TR 11:00-12:15  
MEETS: AUG 26-DEC 20  
5290015 B1 TR 3:40-4:55  
MEETS: AUG 26-DEC 20  
5290020 B2 TR 3:40-4:55  
MEETS: AUG 26-DEC 20  
5290025 C1 TR 5:10-6:25PM  
MEETS: AUG 26-DEC 20  
5290030 C2 TR 5:10-6:25PM  
MEETS: AUG 26-DEC 20

BSNSS DATA STRM&ISS MIS 315 3 CREDITS  
Prereq: COM S 113  
Note: COURSE RESTRICTED TO UNDERGRADUATE  
BUSINESS STUDENTS ONLY. NOT OPEN TO P BUS.

8221005 1 T 6:40-9:25PM  
MEETS: AUG 26-DEC 20

DATABASE MGT SYSTMS MIS 320 3 CREDITS  
Prereq: CREDIT OR ENROLLMENT IN MIS 301  
Note: SEC A1,B1 RESTRICTED TO MIS MAJORS ONLY.  
SEC A2,B2 RESTRICTED TO ACCT, ACSCI, BUS U, BUSEC,  
FIN, MGMT, MKT, SCM UNDERGRAD MAJORS ONLY.

5289005 A1 TR 11:00-12:15  
MEETS: AUG 26-DEC 20  
5289010 A2 TR 11:00-12:15  
MEETS: AUG 26-DEC 20  
5289015 B1 TR 12:40-1:55  
MEETS: AUG 26-DEC 20  
5289020 B2 TR 12:40-1:55  
MEETS: AUG 26-DEC 20  
5289025 C1 W 6:40-9:25PM  
MEETS: AUG 26-DEC 20  
5289030 C2 W 6:40-9:25PM  
MEETS: AUG 26-DEC 20

PROJECT MANAGEMENT MIS 340 3 CREDITS  
Prereq: CREDIT OR ENROLLMENT IN MIS 301  
Note: COURSE RESTRICTED TO UNDERGRADUATE  
BUSINESS STUDENTS ONLY. NOT OPEN TO P BUS.

4561005 1 TR 9:30-10:45  
MEETS: AUG 26-DEC 20  
4561010 2 TR 2:10-3:25  
MEETS: AUG 26-DEC 20  
4561015 3 TR 3:40-4:55  
MEETS: AUG 26-DEC 20  
4561020 4 TR 5:10-6:25PM  
MEETS: AUG 26-DEC 20

SPRDSH-BS MKT ANLYT MIS 368 3 CREDITS  
Prereq: MKT 340  
Note: COURSE RESTRICTED TO UNDERGRADUATE  
BUSINESS STUDENTS ONLY. NOT OPEN TO P BUS.

7186005 1 TR 2:10-3:25  
MEETS: AUG 26-DEC 20

ADV BSNESS PROGRAMNG MIS 407 3 CREDITS  
Prereq: MIS 307

1775005 A1 MWF 11:00-11:50  
MEETS: AUG 26-DEC 20  
Note: SEC A1 RESTRICTED TO MIS MAJORS ONLY  
1775010 A2 MWF 11:00-11:50  
MEETS: AUG 26-DEC 20  
Note: SEC A2 RESTRICTED TO ACCT, ACSCI, BUS S,  
BUS U, BUSEC, ENTSP, FIN, MGMT, MKT, SCM  
UNDERGRAD MAJORS ONLY

INFO SYS INFRASTRUC MIS 435 3 CREDITS  
Prereq: MIS 301  
Note: GRADUATE STUDENTS GO TO 1200 GERDIN FOR  
PERMISSION TO ADD  
SEC A1,B1 RESTRICTED TO MIS MAJORS ONLY  
SEC A2,B2 RESTRICTED TO ACCT, ACSCI, BUS S,  
BUS U, BUSEC, ENTSP, FIN, MGMT, MKT, SCM  
UNDERGRAD MAJORS ONLY

6396005 A1 TR 9:30-10:50  
MEETS: AUG 26-DEC 20  
6396015 A2 TR 9:30-10:50  
MEETS: AUG 26-DEC 20  
6396020 B1 TR 8:00-9:15  
MEETS: AUG 26-DEC 20  
6396025 B2 TR 8:00-9:15  
MEETS: AUG 26-DEC 20

## MANAGEMENT INFORMATION SYSTEMS (CONTINUED)

INTRO BSNSS ANLYTCS MIS 436 3 CREDITS  
Prereq: MIS 320  
Note: SEC A1,B1 RESTRICTED TO MIS MAJORS ONLY.  
SEC A2,B2 RESTRICTED TO ACCT, ACSCI, BUS U,  
BUSEC, ENTSP, FIN, MGMT, MKT, SCM UNDERGRADS.  
GRADUATE STUDENTS GO TO 1200 GERDIN FOR PERMISSION  
TO ADD.

8713005 A1 TR 2:10-3:25  
MEETS: AUG 26-DEC 20  
8713010 A2 TR 2:10-3:25  
MEETS: AUG 26-DEC 20  
8713015 B1 MWF 12:10-1:00  
MEETS: AUG 26-DEC 20  
8713020 B2 MWF 12:10-1:00  
MEETS: AUG 26-DEC 20

SUPLY CHAIN INFO SY MIS 440 3 CREDITS  
Prereq: MIS 301, SCM 301  
6850005 A1 MWF 3:10-4:00  
MEETS: AUG 26-DEC 20  
Note: SEC A1 RESTRICTED TO MIS, SCM MAJORS ONLY  
6850010 A2 MWF 3:10-4:00  
MEETS: AUG 26-DEC 20  
Note: SEC A2 RESTRICTED TO ACCT, ACSCI, BUS U,  
BUSEC, ENTSP, FIN, MGMT, MKT UNDERGRAD MAJORS  
ONLY.

ENTERPRISE SYS&ARCH MIS 445 3 CREDITS  
Prereq: MIS 301  
Note: COURSE RESTRICTED TO UNDERGRAD BUSINES MAJORS  
ONLY, NOT P BUS

7696005 1 TR 12:40-1:55  
MEETS: AUG 26-DEC 20  
7696010 2 TR 5:10-6:25PM  
MEETS: AUG 26-DEC 20

ADV BUSINSS ANALYTC MIS 446 3 CREDITS  
Prereq: MIS 301 AND MIS 320  
9113005 A1 TR 11:00-12:15  
MEETS: AUG 26-DEC 20  
Note: SEC A1 RESTRICTED TO MIS, SCM MAJORS ONLY  
9113010 A2 TR 11:00-12:15  
MEETS: AUG 26-DEC 20  
Note: SEC A2 RESTRICTED TO ACCT, ACSCI, BUS S,  
BUS U, BUSEC, ENTSP, FIN, MGMT, MKT MAJORS ONLY

ERP SYS&SUPLY CHAIN MIS 450 3 CREDITS  
Prereq: SCM 301, MIS 330 OR I E 148, I E 341  
Note: GRADUATE STUDENTS GO TO 1200 GERDIN FOR  
PERMISSION TO ADD

6653005 1 MWF 10:00-10:50  
MEETS: AUG 26-DEC 20

INDEPENDENT STUDY MIS 490 1- 3 CREDITS  
Prereq: MIS 301, SENIOR CLASSIFICATION,  
PERMISSION OF INSTRUCTOR  
Note: Department permission required.  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

CASE PRACTICUM MIS 495 3 CREDITS  
Prereq: MIS 301  
Note: COURSE RESTRICTED TO MIS MAJORS ONLY  
CLASS WILL MEET MONDAY IN A CLASSROOM WITH THE  
REMAINDER OF THE COURSE CONTENT ARRANGED

7819005 1 M 5:10-6:25PM  
ARRANGED  
MEETS: AUG 26-DEC 20

MANAGEMT INFO SYSTM MIS 501 3 CREDITS  
Prereq: ENROLLMENT IN MBA PROGRAM OR DEPARTMENTAL  
PERMISSION  
Note: COURSE RESTRICTED TO ACCT, FIN, SCIS GRADUATE  
MAJORS ONLY  
Department permission required 1st week.

9126005 1 W 6:40-10:00PM  
MEETS: SEPT 4-NOV 20

BUSINESS DATA MIS 515 3 CREDITS  
9742005 1 T 6:40-10:00PM  
MEETS: SEPT 3-NOV 19

ADV BUS SOFTWARE DEV MIS 532 3 CREDITS  
Note: RESTRICTED TO BUSINESS COLLEGE GRADUATE STUDENTS  
5078005 1 R 6:40-10:00PM  
MEETS: SEPT 5-NOV 21

FOUND BSNSS ANLYTCS MIS 536 3 CREDITS  
Note: RESTRICTED TO BUSINESS COLLEGE GRADUATE STUDENTS  
4234005 1 R 6:40-10:00PM  
MEETS: SEPT 5-NOV 21

PROJECT MANAGEMENT MIS 537 3 CREDITS  
Prereq: MIS 501  
Note: RESTRICTED TO BUSINESS COLLEGE GRADUATE STUDENTS  
2187005 1 M 6:40-10:00PM  
MEETS: SEPT 2-NOV 18

MANAGEMENT INFORMATION SYSTEMS (CONTINUED)

MARKETING (CONTINUED)

BUS PROCESS SYSTEMS MIS 538 3 CREDITS  
 Prereq: MIS 501  
 Note: RESTRICTED TO BUSINESS COLLEGE GRADUATE STUDENTS  
 2259005 1 M 6:40-10:05PM  
 MEETS: SEPT 2-NOV 18

SPECIAL TOPICS MIS 590 1- 3 CREDITS  
 Prereq: PERMISSION OF INSTRUCTOR  
 Note: RESTRICTED TO BUSINESS COLLEGE GRADUATE STUDENTS  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

RES SEMINAR IN MIS MIS 598 3 CREDITS  
 Prereq: GRADUATE CLASSIFICATION  
 Note: RESTRICTED TO BUSINESS COLLEGE GRADUATE STUDENTS  
 8081005 1 M 2:10-5:35  
 MEETS: SEPT 2-NOV 18

CREATIVE COMPONENT MIS 599 3 CREDITS  
 Prereq: GRADUATE CLASSIFICATION, PERMISSION OF SUPERVISORY COMMITTEE CHAIR  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

INTR IS RESEARCH I MIS 601 3 CREDITS  
 Prereq: MIS 501 OR EQUIVALENT, ENROLLMENT IN PHD PROGRAM  
 Note: MUST BE A BUSINESS PH.D. STUDENT, OR HAVE DEPARTMENTAL PERMISSION  
 7511005 1 M 9:00-11:50  
 MEETS: AUG 26-DEC 20

RSEARCH PRACTICUM I MIS 650 1 CREDIT  
 Prereq: ENROLLMENT IN THE PH D PROGRAM  
 Note: MUST BE A BUSINESS PH.D. STUDENT, OR HAVE DEPARTMENTAL PERMISSION  
 RESTRICTED TO BUSAD GRADS ONLY  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

RSEARCH PRACTICM II MIS 651 1 CREDIT  
 Prereq: ENROLLMENT IN THE PH D PROGRAM  
 Note: MUST BE A BUSINESS PH.D. STUDENT, OR HAVE DEPARTMENTAL PERMISSION  
 RESTRICTED TO BUSAD GRADS ONLY  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

HCI:ORGZ&SOC IMPLIC MIS 655 3 CREDITS  
 Prereq: GRADUATE CLASSIFICATION, PERMISSION OF DISSERTATION SUPERVISOR  
 5093005 1 M 6:00-9:20PM  
 MEETS: AUG 26-DEC 20

RESEARCH MIS 699 3- 6 CREDITS  
 Prereq: GRADUATE CLASSIFICATION, PERMISSION OF MAJOR PROFESSOR  
 Note: RESTRICTED TO BUSINESS COLLEGE GRADUATE STUDENTS  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

MARKETING

PRIN OF MARKETING MKT 340 3 CREDITS  
 Prereq: CREDIT OR ENROLLMENT IN ECON 101  
 Note: SEC 1-9,11-13, 15 ARE RESTRICTED TO ACCT, ACSCI, AG B, AG SO, AN S, AST, BUS S, BUS U, BUSEC, DY S, ENTSP, FIN, FS A, HORT, I TEC, MGMT, MIS, MKT, P S A, SCM UNDERGRADS. NOT GRAD STUDENTS GO TO 1200 GERDIN FOR PERMISSION TO ADD OPEN TO ADD

5352005 1 TR 2:10-3:25  
 MEETS: AUG 26-DEC 20

5352010 2 MWF 9:00-9:50  
 MEETS: AUG 26-DEC 20

5352015 3 TR 8:00-9:15  
 MEETS: AUG 26-DEC 20

5352020 4 TR 9:30-10:45  
 MEETS: AUG 26-DEC 20

5352025 5 TR 11:00-12:15  
 MEETS: AUG 26-DEC 20

5352030 6 MWF 2:10-3:00  
 MEETS: AUG 26-DEC 20

5352035 7 MWF 8:00-8:50  
 MEETS: AUG 26-DEC 20

5352040 8 TR 12:40-1:55  
 MEETS: AUG 26-DEC 20

5352045 9 T 6:40-9:25PM  
 MEETS: AUG 26-DEC 20

5352050 10 T 6:40-9:25PM  
 MEETS: AUG 26-DEC 20

Note: SEC 10 RESTRICTED TO MAJORS OTHER THAN ACCT, ACSCI, AG B, AG SO, AN S, AST, BUS S, BUS U, BUSAD, BUSEC, DY S, ENTSP, FIN, FS A, HORT, I TEC, MGMT, MIS, MKT, P BUS, P S A, SCIS, SCM

5352055 11 M 6:40-9:25PM  
 MEETS: AUG 26-DEC 20

5352060 12 TR 3:40-4:55  
 MEETS: AUG 26-DEC 20

5352065 13 TR 5:10-6:25PM  
 MEETS: AUG 26-DEC 20

5352070 14 TR 12:40-1:55  
 MEETS: AUG 26-DEC 20

Note: SEC 14 RESTRICTED TO MAJORS OTHER THAN ACCT, ACSCI, AG B, AG SO, AN S, AST, BUS S, BUS U, BUSAD, BUSEC, DY S, ENTSP, FIN, FS A, HORT, I TEC, MGMT, MIS, MKT, P BUS, P S A, SCIS, SCM

5352075 15 TR 12:40-1:55  
 MEETS: AUG 26-DEC 20

FOUND PERSNL SELLNG MKT 342X 3 CREDITS  
 Prereq: SOPHOMORE STATUS OR ABOVE  
 Note: SEC A1,B1,ETC. RESTRICTED TO COLLEGE OF BUSINESS UNDERGRADS ONLY. SEC A2,B2,ETC. FOR ALL OTHER COLLEGES UNDERGRADS.

0165005 A1 TR 8:00-9:15  
 MEETS: AUG 26-DEC 20

0165010 A2 TR 8:00-9:15  
 MEETS: AUG 26-DEC 20

0165015 B1 TR 9:30-10:45  
 MEETS: AUG 26-DEC 20

0165020 B2 TR 9:30-10:45  
 MEETS: AUG 26-DEC 20

SERVICES MARKETING MKT 351 3 CREDITS  
 Prereq: MKT 340  
 Note: COURSE RESTRICTED TO UNDERGRADUATE BUSINESS STUDENTS ONLY. NOT OPEN TO P BUS.

7059005 1 TR 12:40-1:55  
 MEETS: AUG 26-DEC 20

SOC MDIA MKT STRATG MKT 361 3 CREDITS  
 Prereq: MKT 340  
 Note: COURSE RESTRICTED TO UNDERGRADUATE BUSINESS STUDENTS ONLY. NOT OPEN TO P BUS

8472001 1 W 6:40-9:25PM  
 MEETS: AUG 26-DEC 20

CNSULTATV PROB SOLV MKT 367X 3 CREDITS  
 Prereq: SOPHOMORE CLASSIFICATION OR ABOVE  
 Note: SEC A1 RESTRICTED TO COLLEGE OF BUSINESS UNDERGRADS ONLY. SEC A2 FOR ALL OTHER COLLEGES UNDERGRADS.

0117005 A1 TR 3:40-4:55  
 MEETS: AUG 26-DEC 20

0117010 A2 TR 3:40-4:55  
 MEETS: AUG 26-DEC 20

SPRDSH-BS MKT ANLYT MKT 368 3 CREDITS  
 Prereq: MKT 340  
 Note: COURSE RESTRICTED TO UNDERGRADUATE BUSINESS STUDENTS ONLY. NOT OPEN TO P BUS.

7151005 1 TR 2:10-3:25  
 MEETS: AUG 26-DEC 20

PROMOTIONAL STRATEG MKT 410 3 CREDITS  
 Prereq: CREDIT OR ENROLLMENT IN MKT 447  
 Note: SEC A1,B1 RESTRICTED TO MKT MAJORS ONLY. SEC A2,B2 FOR ALL OTHER MAJORS. COURSE NOT OPEN TO P BUS. GRADUATE STUDENTS GO TO 1200 GERDIN FOR PERMISSION TO ADD.

5355005 A1 TR 2:10-3:25  
 MEETS: AUG 26-DEC 20

5355010 A2 TR 2:10-3:25  
 MEETS: AUG 26-DEC 20

5355015 B1 TR 3:40-4:55  
 MEETS: AUG 26-DEC 20

5355020 B2 TR 3:40-4:55  
 MEETS: AUG 26-DEC 20

SALES MANAGEMENT MKT 442 3 CREDITS  
 Prereq: MKT 340  
 Note: COURSE RESTRICTED TO MKT MAJORS ONLY. GRADUATE STUDENTS GO TO 1200 GERDIN FOR PERMISSION TO ADD.

5357005 1 TR 12:40-1:55  
 MEETS: AUG 26-DEC 20

5357010 2 TR 3:40-4:55  
 MEETS: AUG 26-DEC 20

STRATEGC MRKTNG MGT MKT 443 3 CREDITS  
 Prereq: MKT 444, MKT 447  
 Note: COURSE RESTRICTED TO MKT SENIORS

5358005 1 TR 11:00-12:15  
 MEETS: AUG 26-DEC 20

5358010 2 TR 5:10-6:25PM  
 MEETS: AUG 26-DEC 20

5358015 3 MWF 11:00-11:50  
 MEETS: AUG 26-DEC 20

MARKTG RSEARCH TCNQ MKT 444 3 CREDITS  
 Prereq: MKT 340, STAT 226  
 Note: COURSE RESTRICTED TO MKT MAJORS ONLY. GRADUATE STUDENTS GO TO 1200 GERDIN FOR PERMISSION TO ADD.

5359005 1 TR 8:00-9:15  
 MEETS: AUG 26-DEC 20

5359010 2 TR 9:30-10:45  
 MEETS: AUG 26-DEC 20

5359015 3 MWF 12:10-1:00  
 MEETS: AUG 26-DEC 20

5359020 4 MWF 2:10-3:00  
 MEETS: AUG 26-DEC 20

CUSTOMER RELATN MGT MKT 445 3 CREDITS  
 Prereq: MKT 340  
 Note: SEC A1,B1 RESTRICTED TO MKT MAJORS ONLY. SEC A2,B2 RESTRICTED TO MAJORS OTHER THAN MKT, P BUS.

9068005 A1 TR 9:30-10:45  
 MEETS: AUG 26-DEC 20

9068010 A2 TR 9:30-10:45  
 MEETS: AUG 26-DEC 20

9068015 B1 TR 11:00-12:15  
 MEETS: AUG 26-DEC 20

9068020 B2 TR 11:00-12:15  
 MEETS: AUG 26-DEC 20



MARKETING (CONTINUED)

CONSUMER BEHAVIOR MKT 447 3 CREDITS  
 Prereq: MKT 340  
 Note: SEC A1,B1,C1 RESTRICTED TO MKT, AST,  
 FS A, FS H, I TEC UNDERGRADS ONLY. SEC A2,B2,C2  
 FOR OTHER MAJORS. NOT OPEN TO P BUS. GRADUATE  
 STUDENTS GO TO 1200 GERDIN FOR PERMISSION TO ADD.  
 5362005 A1 MWF 8:00-8:50  
 MEETS: AUG 26-DEC 20  
 5362010 A2 MWF 8:00-8:50  
 MEETS: AUG 26-DEC 20  
 5362015 B1 MWF 9:00-9:50  
 MEETS: AUG 26-DEC 20  
 5362020 B2 MWF 9:00-9:50  
 MEETS: AUG 26-DEC 20  
 5362025 C1 TR 3:40-4:55  
 MEETS: AUG 26-DEC 20  
 5362030 C2 TR 3:40-4:55  
 MEETS: AUG 26-DEC 20  
 5362035 D1 TR 2:10-3:25  
 MEETS: AUG 26-DEC 20  
 5362040 D2 TR 2:10-3:25  
 MEETS: AUG 26-DEC 20

GLOBAL MARKETING MKT 448 3 CREDITS  
 Prereq: MKT 340  
 Note: COURSE RESTRICTED TO MKT, I BUS MAJORS ONLY.  
 GRADUATE STUDENTS GO TO 1200 GERDIN FOR PERMISSION  
 TO ADD.  
 9609005 1 MWF 2:10-3:00  
 MEETS: AUG 26-DEC 20  
 9609010 2 MWF 3:10-4:00  
 MEETS: AUG 26-DEC 20

ADV PROF SELLING MKT 450 3 CREDITS  
 Prereq: MKT 340  
 Note: SEC A1,B1,ETC. RESTRICTED TO COLLEGE OF BUSINESS  
 UNDERGRADS ONLY. SEC A2,B2,ETC. FOR ALL OTHER  
 COLLEGES UNDERGRADS.  
 0024005 A1 MW 9:00-9:50, ARRANGED  
 MEETS: AUG 26-DEC 20  
 0024010 A2 MW 9:00-9:50, ARRANGED  
 MEETS: AUG 26-DEC 20  
 0024015 B1 MW 11:00-11:50  
 ARRANGED  
 MEETS: AUG 26-DEC 20  
 0024020 B2 MW 11:00-11:50  
 ARRANGED  
 MEETS: AUG 26-DEC 20  
 0024025 C1 MW 1:10-2:00, ARRANGED  
 MEETS: AUG 26-DEC 20  
 0024030 C2 MW 1:10-2:00, ARRANGED  
 MEETS: AUG 26-DEC 20  
 0024035 D1 W 6:40-9:25PM  
 MEETS: AUG 26-DEC 20  
 0024040 D2 W 6:40-9:25PM  
 MEETS: AUG 26-DEC 20

SALES&DISTRB STRATG MKT 451 3 CREDITS  
 Prereq: MKT 340  
 Note: COURSE NOT OPEN TO P BUS MAJORS  
 5823005 A1 TR 3:40-4:55  
 MEETS: AUG 26-DEC 20  
 Note: SEC A1 RESTRICTED TO MKT MAJORS ONLY  
 5823010 A2 TR 3:40-4:55  
 MEETS: AUG 26-DEC 20  
 Note: SEC A2 RESTRICTED TO ACCT, ACSCI, BUS U,  
 BUSEC, ENTP, FIN, MGMT, MIS, MKT, SCM UNDERGRAD  
 MAJORS & BUS S

BRAND MANAGEMENT MKT 453 3 CREDITS  
 Prereq: MKT 447  
 Note: SEC A1,B1 RESTRICTED TO MKT MAJORS ONLY.  
 SEC A2,B2 RESTRICTED TO BUSINESS MAJORS  
 OTHER THAN MKT, P BUS.  
 5127005 A1 TR 2:10-3:25  
 MEETS: AUG 26-DEC 20  
 5127010 A2 TR 2:10-3:25  
 MEETS: AUG 26-DEC 20  
 5127015 B1 TR 11:00-12:15  
 MEETS: AUG 26-DEC 20  
 5127020 B2 TR 11:00-12:15  
 MEETS: AUG 26-DEC 20

INDEPENDENT STUDY MKT 490 1- 3 CREDITS  
 Prereq: MKT 340, SENIOR CLASSIFICATION;  
 PERMISSION OF INSTRUCTOR  
 Note: Department permission required.  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

SLS CASE COMPETITNS MKT 495X 3 CREDITS  
 Prereq: MKT 340  
 0145005 A1 W 5:10-6:25PM  
 MEETS: AUG 26-DEC 20  
 Note: SEC A1 RESTRICTED TO MKT MAJORS ONLY  
 0145010 A2 W 5:10-6:25PM  
 ARRANGED  
 MEETS: AUG 26-DEC 20  
 Note: SEC A2 FOR MAJORS OTHER THAN MKT, P BUS

MARKETING (CONTINUED)

NEW PROCD STR&ANLY MKT 542 3 CREDITS  
 Prereq: MKT 501  
 8896005 1 R 6:40-10:00PM  
 MEETS: AUG 26-DEC 20  
 CONSUMER BEHAVIOR MKT 547 3 CREDITS  
 Prereq: MKT 501  
 Note: RESTRICTED TO BUSINESS COLLEGE GRADUATE STUDENTS  
 7170005 1 T 6:40-10:00PM  
 MEETS: SEPT 3-NOV 19  
 SPECIAL TOPICS MKT 590 1- 3 CREDITS  
 Prereq: PERMISSION OF INSTRUCTOR  
 Note: RESTRICTED TO BUSINESS COLLEGE GRADUATE STUDENTS  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS  
 MKT ANLYT:QUANT APP MKT 605X 3 CREDITS  
 Note: RESTRICTED TO BUSINESS COLLEGE GRADUATE STUDENTS  
 0162005 1 TR 2:10-3:25  
 MEETS: AUG 26-DEC 20

**MATERIALS ENGINEERING**

LRNG CMUNTY SEMINAR MAT E 101 R CREDIT  
 Prereq: ENROLLMENT IN MATERIALS SCIENCE AND  
 ENGINEERING LEARNING COMMUNITY  
 Satisfactory-Fail Only.  
 7650005 1 T 1:10-2:00 KLOCKE A  
 MEETS: AUG 26-DEC 20  
 7650010 2 T 3:10-4:00 KLOCKE A  
 MEETS: AUG 26-DEC 20

STRUCTRL CHARAC MAT MAT E 214 3 CREDITS  
 Prereq: MAT E 215, PHYS 221  
 6333005 1 MW 12:10-1:00 CULLINAN T  
 R 11:00-12:50 CULLINAN T  
 MEETS: AUG 26-DEC 20  
 6333010 2 MW 12:10-1:00  
 T 9:00-10:50  
 MEETS: AUG 26-DEC 20

INTRO MTRLS SCI&E I MAT E 215 3 CREDITS  
 Prereq: MATH 165; CHEM 177 OR CHEM 167  
 Note: CREDIT FOR ONLY ONE OF THE FOLLOWING COURSES MAY  
 BE APPLIED TOWARD GRADUATION: MAT E 215, MAT E 273,  
 MAT E 392. RESTRICTED TO MAT E MAJORS ONLY  
 7495005 1 MWF 10:00-10:50 SELBY M  
 MEETS: AUG 26-DEC 20

INTRO MAT S&E LAB I MAT E 215L 1 CREDIT  
 Prereq: CREDIT OR ENROLLMENT IN MAT E 215 OR  
 MAT E 272 OR MAT E 392; MAJOR IN MATERIALS  
 ENGINEERING  
 Note: RESTRICTED TO MAT E MAJORS ONLY  
 7496005 1 M 3:10-5:00 AKINC M  
 MEETS: AUG 26-DEC 20  
 7496010 2 T 3:10-5:00 AKINC M  
 MEETS: AUG 26-DEC 20  
 7496015 3 W 3:10-5:00 AKINC M  
 MEETS: AUG 26-DEC 20  
 7496020 4 R 3:10-5:00 AKINC M  
 MEETS: AUG 26-DEC 20  
 7496025 5 F 3:10-5:00 AKINC M  
 MEETS: AUG 26-DEC 20

INTRO MATRLS SCI II MAT E 216 3 CREDITS  
 Prereq: MAT E 215, MAT E 273 OR MAT E 392; CREDIT  
 OR ENROLLMENT IN PHYS 222  
 Note: COURSE RESTRICTED TO MAT E MAJORS ONLY  
 7497005 1 MWF 9:00-9:50 CONSTANT A  
 MEETS: AUG 26-DEC 20

INTRO M S E II LAB MAT E 216L 1 CREDIT  
 Prereq: CREDIT OR ENROLLMENT IN MAT E 216  
 2904005 1 R 9:00-10:50 AKINC M  
 MEETS: AUG 26-DEC 20  
 2904010 2 T 1:10-3:00 AKINC M  
 MEETS: AUG 26-DEC 20

PRIN MATRLS SCI&ENG MAT E 273 3 CREDITS  
 Prereq: CHEM 167 OR CHEM 177; MATH 165  
 Note: CREDIT FOR ONLY ONE OF THE FOLLOWING COURSES  
 MAY BE APPLIED TOWARD GRADUATION: MAT E 215,  
 MAT E 273, MAT E 392.  
 SECTIONS A1,B1 RESTRICTED TO M E, A E SOPH, JUNIORS,  
 AND SENIORS. SECTIONS A2,B2 RESTRICTED TO C E, CH E,  
 CON E, CPR E, E E, ENGR, MAT E, S E SOPH, JUNIORS,  
 AND SENIORS AND ENGRS MAJORS. SEC A3,B3 RESTRICTED  
 TO AER E, I E SOPHOMORES, JUNIORS AND SENIORS.  
 Night exams scheduled. For dates go to  
[http://www.registrar.iastate.edu/students/exams/  
 night-exams.](http://www.registrar.iastate.edu/students/exams/night-exams)

3814005 A1 MWF 11:00-11:50 CULLINAN T  
 MEETS: AUG 26-DEC 20  
 3814010 A2 MWF 11:00-11:50 CULLINAN T  
 MEETS: AUG 26-DEC 20  
 3814015 A3 MWF 11:00-11:50 CULLINAN T  
 MEETS: AUG 26-DEC 20  
 3814020 B1 MWF 2:10-3:00 CULLINAN T  
 MEETS: AUG 26-DEC 20  
 3814025 B2 MWF 2:10-3:00 CULLINAN T  
 MEETS: AUG 26-DEC 20  
 3814030 B3 MWF 2:10-3:00 CULLINAN T  
 MEETS: AUG 26-DEC 20

MATERIALS ENGINEERING (CONTINUED)

MATERIALS ENGINEERING (CONTINUED)

THERMODYNM IN MAT E MAT E 311 3 CREDITS  
 Prereq: CHEM 178, MAT E 216, AND CREDIT OR ENROLLMENT IN MATH 267  
 6316005 1 MWF 10:00-10:50 CADEMARTIRI L  
 MEETS: AUG 26-DEC 20

KINETC&PHASE EQ MAT MAT E 314 3 CREDITS  
 Prereq: MAT E 216, MAT E 311  
 6575005 1 MWF 10:00-10:50 NAPOLITANO R  
 MEETS: AUG 26-DEC 20

INTR ELEC PROP MATL MAT E 317 3 CREDITS  
 Prereq: MAT E 216, PHYS 222, MAJOR IN MATERIALS ENGINEERING  
 Note: COURSE RESTRICTED TO MAT E MAJORS ONLY  
 7500005 1 MWF 1:10-2:00 CONSTANT A  
 MEETS: AUG 26-DEC 20

INTRO CERAMIC SCIEN MAT E 321 3 CREDITS  
 Prereq: MAT E 216  
 6591005 1 MWF 9:00-9:50 TAN X  
 MEETS: AUG 26-DEC 20

SEMICND MTRLS&DEVIC MAT E 332 3 CREDITS  
 Prereq: PHYS 222; ADDITIONAL PREREQ FOR MAT E MAJORS: MAT E 334; ADDITIONAL PREREQ FOR E E AND CPR E MAJORS: E E 230  
 6597005 1 TR 12:40-2:00  
 MEETS: AUG 26-DEC 20

METALS PROCESSING MAT E 341 3 CREDITS  
 Prereq: MAT E 214; AND MAT E 215 OR MAT E 273 OR MAT E 392  
 2910005 1 MWF 3:10-4:00 COLLINS P  
 ARRANGED COLLINS P  
 MEETS: AUG 26-DEC 20

INTR POLYMER MATRLS MAT E 351 3 CREDITS  
 Prereq: MAT E 216  
 Note: COURSE RESTRICTED TO MAT E MAJORS ONLY  
 6615005 1 TR 3:40-5:00 BARTLETT M  
 MEETS: AUG 26-DEC 20

PRIN NONDESTRC TEST MAT E 362 3 CREDITS  
 Prereq: PHYS 112 OR PHYS 222  
 5045005 1 MWF 10:00-10:50 BOND L  
 MEETS: AUG 26-DEC 20

NONDESTRUC TEST LAB MAT E 362L 1 CREDIT  
 Prereq: CREDIT OR ENROLLMENT IN MAT E 362  
 5046005 1 T 2:10-5:00 BOND L  
 MEETS: AUG 26-DEC 20  
 5046010 2 R 2:10-5:00 BOND L  
 MEETS: AUG 26-DEC 20

COOPERATIVE EDUC MAT E 398 R CREDIT  
 Prereq: PERMISSION OF DEPARTMENT AND ENGINEERING CAREER SERVICES  
 Satisfactory-Fail Only.  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

PRO PRACTICE I MAT E 413 3 CREDITS  
 Prereq: SENIOR CLASSIFICATION: MAT E 413-414  
 SEQUENCE INTENDED FOR STUDENTS IN THE FINAL TWO SEMESTERS BEFORE GRADUATION  
 6628005 1 MW 2:10-3:00 CONSTANT A  
 F 2:10-3:00 CONSTANT A  
 ARRANGED  
 MEETS: AUG 26-DEC 20

PRO PRACTICE II MAT E 414 3 CREDITS  
 Prereq: MAT E 413  
 6650005 1 MW 2:10-3:00 CADEMARTIRI R  
 F 2:10-3:00 CADEMARTIRI R  
 ARRANGED  
 MEETS: AUG 26-DEC 20

MECHANCL BEHAVR MAT MAT E 418 3 CREDITS  
 Prereq: MAT E 216, MAT E 319  
 6585005 1 MWF 12:10-1:00 LESAR R  
 MEETS: AUG 26-DEC 20

MAGNETSM&MGN MATRLS MAT E 419 3 CREDITS  
 9799005 1 MWF 2:10-3:00  
 MEETS: AUG 26-DEC 20

GLASS SCI&ENGINEERG MAT E 425 3 CREDITS  
 Prereq: MAT E 214, MAT E 321  
 7501010 2 MW 8:00-8:50 MARTIN S  
 T 12:10-3:00 MARTIN S  
 MEETS: AUG 26-DEC 20

MICROELEC FABRICATN MAT E 432 4 CREDITS  
 Prereq: CREDIT OR ENROLLMENT IN E E 332  
 6677005 1 MW 12:10-1:00  
 ARRANGED  
 MEETS: AUG 26-DEC 20

PHYS MET FERR ALLOY MAT E 443 3 CREDITS  
 Prereq: CREDIT OR ENROLLMENT IN MAT E 314  
 1172005 1 MWF 11:00-11:50 NAPOLITANO R  
 MEETS: AUG 26-DEC 20

PHY&MC PROPRT POLYM MAT E 453 3 CREDITS  
 Prereq: MAT E 214, MAT E 351  
 Note: COURSE RESTRICTED TO MAT E MAJORS ONLY  
 6681005 1 TR 11:00-11:50 JIANG S  
 T 3:10-6:00PM JIANG S  
 MEETS: AUG 26-DEC 20  
 6681010 2 TR 11:00-11:50 JIANG S  
 R 3:10-6:00PM JIANG S  
 MEETS: AUG 26-DEC 20

BIOMATERIALS MAT E 456 3 CREDITS  
 Prereq: CHEM 178; MAT E 216 OR MAT E 272 OR MAT E 392  
 8768005 1 MWF 9:00-9:50 BRATLIE K  
 MEETS: AUG 26-DEC 20

MULTIDISC ENGR DSGN MAT E 466 3 CREDITS  
 Prereq: COURSE TO BE TAKEN WITHIN 2 SEMESTERS OF GRADUATION, PERMISSION OF INSTRUCTOR  
 1740005 1 MWF 3:10-5:00  
 MEETS: AUG 26-DEC 20

INDEPENDENT STUDY MAT E 490C VAR. CREDITS  
 Prereq: PERMISSION OF DEPARTMENT  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

HONORS INDEP STUDY MAT E 490H VAR. CREDITS  
 Prereq: PERMISSION OF DEPARTMENT  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

INDEP STDY:RESEARCH MAT E 490R VAR. CREDITS  
 Prereq: PERMISSION OF DEPARTMENT  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

**MATERIALS SCIENCE & ENGINEERING**

FUND STRC&CHM MATRL M S E 510 3 CREDITS  
 Prereq: MATH 165, PHYS 221, CHEM 167  
 5610005 1 TR 9:30-10:50  
 MEETS: AUG 26-DEC 20

MAGNETSM&MGN MATRLS M S E 519 3 CREDITS  
 Prereq: E E 311 OR MAT E 317 OR PHYS 364  
 6254005 1 MWF 2:10-3:00  
 MEETS: AUG 26-DEC 20

THRM MLTICMPO MTRLS M S E 520 3 CREDITS  
 Prereq: MAT E 311 OR CHEM 321, MATH 266 OR MATH 267  
 5611005 1 MWF 11:00-11:50  
 MEETS: AUG 26-DEC 20

SCAN&AUER MICRSCPY M S E 552 3 CREDITS  
 Prereq: PHYS 222  
 5092005 1 MW 1:10-2:00  
 M 3:10-5:00  
 MEETS: AUG 26-DEC 20  
 5092010 2 MW 1:10-2:00  
 W 3:10-5:00  
 MEETS: AUG 26-DEC 20

PHY&MC PROPRT POLYM M S E 553 3 CREDITS  
 8701005 1 TR 11:00-11:50  
 T 3:10-6:00PM  
 MEETS: AUG 26-DEC 20  
 8701010 2 TR 11:00-11:50  
 R 3:10-6:00PM  
 MEETS: AUG 26-DEC 20

BIOMATERIALS M S E 556 3 CREDITS  
 Prereq: MAT E 216 OR MAT E 272 OR MAT E 392  
 5091005 1 MWF 9:00-9:50  
 MEETS: AUG 26-DEC 20

SPECIAL TOPICS M S E 590 VAR. CREDITS  
 Prereq: PERMISSION OF INSTRUCTOR  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

CREATIVE COMPONENT M S E 599 VAR. CREDITS  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

MATERIALS SEMINAR M S E 601 1 CREDIT  
 Prereq: GRADUATE STANDING IN THE M S E DEPARTMENT  
 Satisfactory-Fail Only.  
 6399005 1 R 3:10-4:00  
 MEETS: AUG 26-DEC 20

ADV TOPICS MATRL SC M S E 690 VAR. CREDITS  
 Prereq: PERMISSION OF INSTRUCTOR  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

MATERIALS SCIENCE & ENGINEERING (CONTINUED)

ENGINEER INTERNSHIP M S E 697 R CREDIT  
 Prereq: PERMISSION OF DEPARTMENT, GRAD CLASSIFCTN  
 Satisfactory-Fail Only.  
 4307005 1 ARRANGED  
 MEETS: AUG 26-DEC 20  
 Note: Department permission required.

RESEARCH M S E 699 VAR. CREDITS  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

**MATHEMATICS**

HIGH SCHOOL ALGEBRA MATH 10 0 CREDITS  
 Note: DEVELOPMENTAL MATH FEE APPLIES. SEE TUITION AND  
 FEES WEBSITE FOR MORE INFORMATION ON FEE.  
 Instructor permission required 1st week.  
 Satisfactory-Fail Only.

- 5115005 A1 MTRF 10:00-10:50  
MEETS: AUG 26-DEC 20
- 5115010 A2 MTRF 10:00-10:50  
MEETS: AUG 26-DEC 20
- 5115011 A3 MTRF 10:00-10:50  
MEETS: AUG 26-DEC 20
- 5115040 B1 MTRF 11:00-11:50  
MEETS: AUG 26-DEC 20
- 5115045 B2 MTRF 11:00-11:50  
MEETS: AUG 26-DEC 20
- 5115050 B3 MTRF 11:00-11:50  
MEETS: AUG 26-DEC 20
- 5115090 C1 MTRF 1:10-2:00  
MEETS: AUG 26-DEC 20
- 5115095 C2 MTRF 1:10-2:00  
MEETS: AUG 26-DEC 20
- 5115096 C3 MTRF 1:10-2:00  
MEETS: AUG 26-DEC 20
- 5115100 D1 MTRF 2:10-3:00  
MEETS: AUG 26-DEC 20
- 5115105 D2 MTRF 2:10-3:00  
MEETS: AUG 26-DEC 20
- 5115110 D3 MTRF 2:10-3:00  
MEETS: AUG 26-DEC 20

ORIENTATION IN MATH MATH 101 1 CREDIT  
 Prereq: NEW STUDENT MAJORING IN MATH  
 Satisfactory-Fail Only.  
 2759005 1 M 12:10-1:00  
MEETS: AUG 26-DEC 20  
 Note: SEC 1 RESTRICTED TO FRESHMEN ONLY  
 2759010 2 M 3:10-4:00  
MEETS: AUG 26-DEC 20

INTRO TO PROBABILITY MATH 104 3 CREDITS  
 Prereq: SATISFACTORY PERFORMANCE ON PLACEMENT  
 ASSESSMENT, 2 YEARS OF HIGH SCHOOL ALGEBRA, 1 YEAR OF  
 HIGH SCHOOL GEOMETRY  
 Note: CREDIT FOR EITHER MATH 104 OR MATH 150, BUT  
 NOT BOTH, MAY BE APPLIED TOWARD GRADUATION. CREDITS  
 EARNED IN MATH 104 CANNOT BE APPLIED TOWARD  
 GRADUATION BY MATH MAJORS.  
 5128005 1 MWF 12:10-1:00  
MEETS: AUG 26-DEC 20

INTRO TO MATH IDEAS MATH 105 3 CREDITS  
 Prereq: SATISFACTORY PERFORMANCE ON PLACEMENT  
 ASSESSMENT, 2 YEARS OF HIGH SCHOOL ALGEBRA, 1 YEAR OF  
 HIGH SCHOOL GEOMETRY  
 Note: CREDITS EARNED IN MATH 105 CANNOT BE APPLIED  
 TOWARD GRADUATION BY MATH MAJORS  
 5129005 1 MWF 1:10-2:00  
MEETS: AUG 26-DEC 20

COLLEGE ALGEBRA MATH 140 3 CREDITS  
 Prereq: SATISFACTORY PERFORMANCE ON PLACEMENT  
 ASSESSMENT, 2 YEARS OF HIGH SCHOOL ALGEBRA, 1 YEAR OF  
 HIGH SCHOOL GEOMETRY OR MATH 30  
 Note: CREDITS EARNED IN MATH 140 CANNOT BE APPLIED  
 TOWARD GRADUATION BY MATH MAJORS. STUDENTS IN THE  
 COLLEGE OF LIBERAL ARTS AND SCIENCES MAY NOT APPLY  
 MATH 140 TOWARD THE GEN ED REQUIREMNTS FOR GRADUATION  
 5132005 1 TR 8:00-8:50  
W 8:00-8:50  
MEETS: AUG 26-DEC 20
- 5132010 2 TR 8:00-8:50  
W 8:00-8:50  
MEETS: AUG 26-DEC 20
- 5132015 3 TR 8:00-8:50  
W 8:00-8:50  
MEETS: AUG 26-DEC 20
- 5132020 4 TR 8:00-8:50  
W 9:00-9:50  
MEETS: AUG 26-DEC 20
- 5132025 5 TR 8:00-8:50  
W 9:00-9:50  
MEETS: AUG 26-DEC 20
- 5132030 6 TR 8:00-8:50  
W 9:00-9:50  
MEETS: AUG 26-DEC 20
- 5132035 7 TR 8:00-8:50  
W 11:00-11:50  
MEETS: AUG 26-DEC 20
- 5132040 8 TR 8:00-8:50  
W 11:00-11:50  
MEETS: AUG 26-DEC 20

MATHEMATICS (CONTINUED)

COLLEGE ALGEBRA MATH 140 3 CREDITS  
 5132045 9 TR 8:00-8:50  
W 11:00-11:50  
MEETS: AUG 26-DEC 20
- 5132050 10 TR 8:00-8:50  
W 12:10-1:00  
MEETS: AUG 26-DEC 20
- 5132055 11 WF 12:10-1:00  
R 8:00-8:50  
MEETS: AUG 26-DEC 20
- 5132060 12 WF 12:10-1:00  
R 8:00-8:50  
MEETS: AUG 26-DEC 20
- 5132065 13 WF 12:10-1:00  
R 8:00-8:50  
MEETS: AUG 26-DEC 20
- 5132070 14 WF 12:10-1:00  
R 9:00-9:50  
MEETS: AUG 26-DEC 20
- 5132075 15 WF 12:10-1:00  
R 9:00-9:50  
MEETS: AUG 26-DEC 20
- 5132080 16 WF 12:10-1:00  
R 9:00-9:50  
MEETS: AUG 26-DEC 20
- 5132085 17 WF 12:10-1:00  
R 11:00-11:50  
MEETS: AUG 26-DEC 20
- 5132090 18 WF 12:10-1:00  
R 11:00-11:50  
MEETS: AUG 26-DEC 20
- 5132095 19 WF 12:10-1:00  
R 11:00-11:50  
MEETS: AUG 26-DEC 20

PREP FOR CALCULUS MATH 143 4 CREDITS  
 Prereq: SATISFACTORY PERFORMANCE ON PLACEMENT  
 ASSESSMENT, 2 YEARS OF HIGH SCHOOL ALGEBRA; 1 YEAR OF  
 HIGH SCHOOL GEOMETRY OR MINIMUM OF C- IN MATH 140  
 Note: CREDIT FOR EITHER MATH 143 OR MATH 145, BUT  
 NOT BOTH, MAY BE APPLIED TOWARD GRADUATION.  
 STUDENTS IN THE LAS COLLEGE MAY NOT APPLY MATH 143  
 TOWARD GENERAL EDUCATION REQUIREMENTS.

- 7342005 1 TR 11:00-11:50  
MW 8:00-8:50  
MEETS: AUG 26-DEC 20
- 7342010 2 TR 11:00-11:50  
MW 8:00-8:50  
MEETS: AUG 26-DEC 20
- 7342015 3 TR 11:00-11:50  
MW 9:00-9:50  
MEETS: AUG 26-DEC 20
- 7342020 4 TR 11:00-11:50  
MW 9:00-9:50  
MEETS: AUG 26-DEC 20
- 7342025 5 TR 11:00-11:50  
MW 10:00-10:50  
MEETS: AUG 26-DEC 20
- 7342030 6 TR 11:00-11:50  
MW 10:00-10:50  
MEETS: AUG 26-DEC 20
- 7342035 7 TR 1:10-2:00  
MW 8:00-8:50  
MEETS: AUG 26-DEC 20
- 7342040 8 TR 1:10-2:00  
MW 9:00-9:50  
MEETS: AUG 26-DEC 20
- 7342045 9 TR 1:10-2:00  
MW 10:00-10:50  
MEETS: AUG 26-DEC 20
- 7342050 10 TR 1:10-2:00  
MW 8:00-8:50  
MEETS: AUG 26-DEC 20
- 7342055 11 TR 1:10-2:00  
MW 9:00-9:50  
MEETS: AUG 26-DEC 20
- 7342060 12 TR 1:10-2:00  
MW 10:00-10:50  
MEETS: AUG 26-DEC 20
- 7342065 13 TR 4:10-5:00  
MW 2:10-3:00  
MEETS: AUG 26-DEC 20
- 7342070 14 TR 4:10-5:00  
MW 2:10-3:00  
MEETS: AUG 26-DEC 20
- 7342075 15 TR 4:10-5:00  
MW 3:10-4:00  
MEETS: AUG 26-DEC 20
- 7342080 16 TR 4:10-5:00  
MW 4:10-5:00  
MEETS: AUG 26-DEC 20
- 7342085 17 TR 4:10-5:00  
MW 4:10-5:00  
MEETS: AUG 26-DEC 20
- 7342090 18 MTWR 4:10-5:30  
MEETS: OCT 14-DEC 13

MATHEMATICS

(CONTINUED)

APPLD TRIGONOMETRY MATH 145 3 CREDITS  
 Prereq: SATISFACTORY PERFORMANCE ON PLACEMENT ASSESSMENT, 2 YEARS OF HIGH SCHOOL ALGEBRA; 1 YEAR OF HIGH SCHOOL GEOMETRY OR MINIMUM OF C- IN MATH 140  
 Note: CREDIT IN EITHER MATH 143 OR MATH 145, BUT NOT BOTH, MAY BE APPLIED TOWARD GRADUATION. STUDENTS IN THE LAS COLLEGE MAY NOT APPLY MATH 145 TOWARD THE GENERAL EDUCATION REQUIREMENTS.

9173005 1 MF 8:00-8:50  
 W 8:00-8:50  
 MEETS: AUG 26-DEC 20

9173010 2 MF 8:00-8:50  
 W 9:00-9:50  
 MEETS: AUG 26-DEC 20  
 Note: SEC 2 RESTRICTED TO DES, DSGN, I DES, P ARC, P IND, P LA, P GR, P ID, P ISA MAJORS ONLY

9173015 3 MF 8:00-8:50  
 W 9:00-9:50  
 MEETS: AUG 26-DEC 20  
 Note: SEC 3 RESTRICTED TO DES, DSGN, I DES, P ARC, P IND, P LA, P GR, P ID, P ISA MAJORS ONLY

9173020 4 MF 8:00-8:50  
 W 10:00-10:50  
 MEETS: AUG 26-DEC 20  
 Note: SEC 4 RESTRICTED TO DES, DSGN, I DES, P ARC, P IND, P LA, P GR, P ID, P ISA MAJORS ONLY

9173025 5 MF 8:00-8:50  
 W 10:00-10:50  
 MEETS: AUG 26-DEC 20

9173030 6 MF 8:00-8:50  
 W 11:00-11:50  
 MEETS: AUG 26-DEC 20  
 Note: SEC 6 RESTRICTED TO DES, DSGN, I DES, P ARC, P IND, P LA, P GR, P ID, P ISA MAJORS ONLY

DISC MATH BUS&SOC S MATH 150 3 CREDITS  
 Prereq: SATISFACTORY PERFORMANCE ON PLACEMENT ASSESSMENT, 2 YEARS OF HIGH SCHOOL ALGEBRA, 1 YEAR OF HIGH SCHOOL GEOMETRY  
 Note: COURSE IS A WEB-BASED LECTURE. TESTS ARE OFFERED ONLY IN MATHEMATICS COMPUTER LABS IN CARVER HALL. THE SCHEDULED HOUR IS FOR LAB SESSIONS ONLY. CREDIT FOR EITHER MATH 104 OR MATH 150, BUT NOT BOTH, MAY BE APPLIED TOWARD GRADUATION. MATH 150 CANNOT BE APPLIED TOWARD GRADUATION BY MATH MAJORS.

5135005 1 ARRANGED, M 9:00-9:50  
 MEETS: AUG 26-DEC 20  
 Section info: <http://orion.math.iastate.edu/mathbus/sp/current>

5135010 2 ARRANGED  
 M 10:00-10:50  
 MEETS: AUG 26-DEC 20  
 Section info: <http://orion.math.iastate.edu/mathbus/sp/current>

5135015 3 ARRANGED  
 M 11:00-11:50  
 MEETS: AUG 26-DEC 20  
 Section info: <http://orion.math.iastate.edu/mathbus/sp/current>

5135020 4 ARRANGED, M 12:10-1:00  
 MEETS: AUG 26-DEC 20  
 Section info: <http://orion.math.iastate.edu/mathbus/sp/current>

5135025 5 ARRANGED, M 1:10-2:00  
 MEETS: AUG 26-DEC 20  
 Section info: <http://orion.math.iastate.edu/mathbus/sp/current>

5135030 6 ARRANGED, M 2:10-3:00  
 MEETS: AUG 26-DEC 20  
 Section info: <http://orion.math.iastate.edu/mathbus/sp/current>

5135035 7 ARRANGED, M 3:10-4:00  
 MEETS: AUG 26-DEC 20  
 Section info: <http://orion.math.iastate.edu/mathbus/sp/current>

5135040 8 ARRANGED, M 4:10-5:00  
 MEETS: AUG 26-DEC 20  
 Section info: <http://orion.math.iastate.edu/mathbus/sp/current>

5135045 9 ARRANGED  
 M 5:10-6:00PM  
 MEETS: AUG 26-DEC 20  
 Section info: <http://orion.math.iastate.edu/mathbus/sp/current>

5135050 10 ARRANGED, T 8:00-8:50  
 MEETS: AUG 26-DEC 20  
 Section info: <http://orion.math.iastate.edu/mathbus/sp/current>

5135055 11 ARRANGED, T 9:00-9:50  
 MEETS: AUG 26-DEC 20  
 Section info: <http://orion.math.iastate.edu/mathbus/sp/current>

5135060 12 ARRANGED  
 T 10:00-10:50  
 MEETS: AUG 26-DEC 20  
 Section info: <http://orion.math.iastate.edu/mathbus/sp/current>

5135065 13 ARRANGED, W 8:00-8:50  
 MEETS: AUG 26-DEC 20  
 Section info: <http://orion.math.iastate.edu/mathbus/sp/current>

5135070 14 ARRANGED, W 9:00-9:50  
 MEETS: AUG 26-DEC 20  
 Section info: <http://orion.math.iastate.edu/mathbus/sp/current>

MATHEMATICS

(CONTINUED)

DISC MATH BUS&SOC S MATH 150 3 CREDITS  
 5135075 15 ARRANGED  
 W 10:00-10:50  
 MEETS: AUG 26-DEC 20  
 Section info: <http://orion.math.iastate.edu/mathbus/sp/current>

5135080 16 ARRANGED  
 W 11:00-11:50  
 MEETS: AUG 26-DEC 20  
 Section info: <http://orion.math.iastate.edu/mathbus/sp/current>

5135085 17 ARRANGED, W 12:10-1:00  
 MEETS: AUG 26-DEC 20  
 Section info: <http://orion.math.iastate.edu/mathbus/sp/current>

5135090 18 ARRANGED, W 3:10-4:00  
 MEETS: AUG 26-DEC 20  
 Section info: <http://orion.math.iastate.edu/mathbus/sp/current>

5135095 19 ARRANGED, R 8:00-8:50  
 MEETS: AUG 26-DEC 20  
 Section info: <http://orion.math.iastate.edu/mathbus/sp/current>

5135100 20 ARRANGED, R 9:00-9:50  
 MEETS: AUG 26-DEC 20  
 Section info: <http://orion.math.iastate.edu/mathbus/sp/current>

5135105 21 ARRANGED  
 R 10:00-10:50  
 MEETS: AUG 26-DEC 20  
 Section info: <http://orion.math.iastate.edu/mathbus/sp/current>

5135110 22 ARRANGED, F 8:00-8:50  
 MEETS: AUG 26-DEC 20  
 Section info: <http://orion.math.iastate.edu/mathbus/sp/current>

5135115 23 ARRANGED, F 9:00-9:50  
 MEETS: AUG 26-DEC 20  
 Section info: <http://orion.math.iastate.edu/mathbus/sp/current>

5135120 24 ARRANGED, F 3:10-4:00  
 MEETS: AUG 26-DEC 20  
 Section info: <http://orion.math.iastate.edu/mathbus/sp/current>

5135125 25 ARRANGED  
 W 5:10-6:00PM  
 MEETS: AUG 26-DEC 20

5135135 26 ARRANGED, W 1:10-2:00  
 MEETS: AUG 26-DEC 20

5135140 27 ARRANGED, W 2:10-3:00  
 MEETS: AUG 26-DEC 20

5135145 28 ARRANGED, F 2:10-3:00  
 MEETS: AUG 26-DEC 20

BUS & SOC SCI CALC MATH 151 3 CREDITS  
 Prereq: SATISFACTORY PERFORMANCE ON PLACEMENT ASSESSMENT, 2 YEARS OF HIGH SCHOOL ALGEBRA, 1 YEAR OF HIGH SCHOOL GEOMETRY; OR MATH 140  
 Note: ONLY ONE OF THE FOLLOWING COURSES/SEQUENCES OF COURSES MAY BE APPLIED TOWARD GRADUATION: MATH 151, MATH 160, MATH 165-166, MATH 181. CREDITS EARNED IN MATH 151 CANNOT BE APPLIED TOWARD GRADUATION BY MATH MAJORS.

5136005 1 MF 12:10-1:00  
 T 12:10-1:00  
 MEETS: AUG 26-DEC 20

5136010 2 MF 12:10-1:00  
 T 12:10-1:00  
 MEETS: AUG 26-DEC 20

5136015 3 MF 12:10-1:00  
 W 12:10-1:00  
 MEETS: AUG 26-DEC 20

5136020 4 MF 12:10-1:00  
 W 12:10-1:00  
 MEETS: AUG 26-DEC 20

5136025 5 MF 12:10-1:00  
 R 12:10-1:00  
 MEETS: AUG 26-DEC 20

5136030 6 MF 12:10-1:00  
 R 12:10-1:00  
 MEETS: AUG 26-DEC 20

5136035 7 MF 3:10-4:00  
 T 3:10-4:00  
 MEETS: AUG 26-DEC 20

5136040 8 MF 3:10-4:00  
 T 3:10-4:00  
 MEETS: AUG 26-DEC 20

5136045 9 MF 3:10-4:00  
 W 3:10-4:00  
 MEETS: AUG 26-DEC 20

5136050 10 MF 3:10-4:00  
 W 3:10-4:00  
 MEETS: AUG 26-DEC 20

5136055 11 MF 3:10-4:00  
 R 3:10-4:00  
 MEETS: AUG 26-DEC 20

5136060 12 MF 3:10-4:00  
 R 3:10-4:00  
 MEETS: AUG 26-DEC 20

5136065 13 MF 3:10-4:00  
 T 3:10-4:00  
 MEETS: AUG 26-DEC 20

5136070 14 MF 3:10-4:00  
 W 3:10-4:00  
 MEETS: AUG 26-DEC 20

MATHEMATICS

(CONTINUED)

SURVEY OF CALCULUS MATH 160 4 CREDITS  
 Prereq: SATISFACTORY PERFORMANCE ON PLACEMENT ASSESSMENT, 2 YEARS OF HIGH SCHOOL ALGEBRA, 1 YEAR OF GEOMETRY; OR C- OR BETTER IN MATH 140; OR C- OR BETTER IN MATH 143  
 Note: ONLY ONE OF THE FOLLOWING COURSES/SEQUENCES OF COURSES MAY BE APPLIED TOWARD GRADUATION: MATH 151, MATH 160, MATH 165-166, MATH 181. CREDITS EARNED IN MATH 160 CANNOT BE APPLIED TOWARD GRADUATION BY MATH MAJORS.

5137005 1 MTRF 8:00-8:50  
 MEETS: AUG 26-DEC 20

5137010 2 MTWF 12:10-1:00  
 MEETS: AUG 26-DEC 20

5137015 3 MTRF 8:00-8:50  
 MEETS: AUG 26-DEC 20

CALCULUS I MATH 165 4 CREDITS  
 Prereq: SATISFACTORY PERFORMANCE ON PLACEMENT ASSESSMENT, 2 YEARS OF HIGH SCHOOL ALGEBRA, 1 YEAR OF GEOMETRY, 1 SEMESTER OF TRIGONOMETRY; OR C- OR BETTER IN MATH 143  
 Note: ONLY ONE OF THE FOLLOWING COURSES/SEQUENCES OF COURSES MAY BE APPLIED TOWARD GRADUATION: MATH 151, MATH 160, MATH 165-166, MATH 181  
 Night exams scheduled. For dates go to <http://www.registrar.iastate.edu/students/exams/night-exams>.

5138005 1 MWF 9:00-9:50  
 T 8:00-8:50  
 MEETS: AUG 26-DEC 20

5138010 2 MWF 9:00-9:50  
 T 8:00-8:50  
 MEETS: AUG 26-DEC 20

5138015 3 MWF 9:00-9:50  
 T 9:00-9:50  
 MEETS: AUG 26-DEC 20

5138020 4 MWF 9:00-9:50  
 T 9:00-9:50  
 MEETS: AUG 26-DEC 20

5138025 5 MWF 9:00-9:50  
 T 10:00-10:50  
 MEETS: AUG 26-DEC 20

5138030 6 MWF 9:00-9:50  
 T 10:00-10:50  
 MEETS: AUG 26-DEC 20

5138035 7 MWF 10:00-10:50  
 MEETS: AUG 26-DEC 20

Note: SEC 7 RESTRICTED TO MATH, STAT MAJORS ONLY

5138040 8 MWF 11:00-11:50  
 T 10:00-10:50  
 MEETS: AUG 26-DEC 20

5138045 9 MWF 11:00-11:50  
 T 10:00-10:50  
 MEETS: AUG 26-DEC 20

5138050 10 MWF 11:00-11:50  
 T 11:00-11:50  
 MEETS: AUG 26-DEC 20

5138055 11 MWF 11:00-11:50  
 T 11:00-11:50  
 MEETS: AUG 26-DEC 20

5138060 12 MWF 11:00-11:50  
 T 12:10-1:00  
 MEETS: AUG 26-DEC 20

5138065 13 MWF 11:00-11:50  
 T 12:10-1:00  
 MEETS: AUG 26-DEC 20

5138070 14 MWF 12:10-1:00  
 R 12:10-1:00  
 MEETS: AUG 26-DEC 20

5138075 15 MWF 12:10-1:00  
 R 12:10-1:00  
 MEETS: AUG 26-DEC 20

5138080 16 MWF 12:10-1:00  
 R 1:10-2:00  
 MEETS: AUG 26-DEC 20

5138085 17 MWF 12:10-1:00  
 R 1:10-2:00  
 MEETS: AUG 26-DEC 20

5138090 18 MWF 12:10-1:00  
 R 2:10-3:00  
 MEETS: AUG 26-DEC 20

5138095 19 MWF 12:10-1:00  
 R 2:10-3:00  
 MEETS: AUG 26-DEC 20

5138100 20 MWF 12:10-1:00  
 R 8:00-8:50  
 MEETS: AUG 26-DEC 20

5138105 21 MWF 12:10-1:00  
 R 8:00-8:50  
 MEETS: AUG 26-DEC 20

5138110 22 MWF 12:10-1:00  
 R 9:00-9:50  
 MEETS: AUG 26-DEC 20

5138115 23 MWF 12:10-1:00  
 R 9:00-9:50  
 MEETS: AUG 26-DEC 20

5138120 24 MWF 12:10-1:00  
 R 10:00-10:50  
 MEETS: AUG 26-DEC 20

5138125 25 MWF 12:10-1:00  
 R 10:00-10:50  
 MEETS: AUG 26-DEC 20

5138130 26 MWF 4:10-5:00  
 R 2:10-3:00  
 MEETS: AUG 26-DEC 20

MATHEMATICS

(CONTINUED)

CALCULUS I MATH 165 4 CREDITS

5138135 27 MWF 4:10-5:00  
 R 2:10-3:00  
 MEETS: AUG 26-DEC 20

5138140 28 MWF 4:10-5:00  
 R 3:10-4:00  
 MEETS: AUG 26-DEC 20

5138145 29 MWF 4:10-5:00  
 R 3:10-4:00  
 MEETS: AUG 26-DEC 20

5138150 30 MWF 4:10-5:00  
 R 4:10-5:00  
 MEETS: AUG 26-DEC 20

5138155 31 MWF 4:10-5:00  
 R 4:10-5:00  
 MEETS: AUG 26-DEC 20

5138160 32 MWF 2:10-3:00  
 R 1:10-2:00  
 MEETS: AUG 26-DEC 20

5138165 33 MWF 2:10-3:00  
 R 1:10-2:00  
 MEETS: AUG 26-DEC 20

5138170 34 MWF 2:10-3:00  
 R 2:10-3:00  
 MEETS: AUG 26-DEC 20

5138175 35 MWF 2:10-3:00  
 R 2:10-3:00  
 MEETS: AUG 26-DEC 20

5138180 36 MWF 2:10-3:00  
 R 4:10-5:00  
 MEETS: AUG 26-DEC 20

5138185 37 MWF 2:10-3:00  
 R 4:10-5:00  
 MEETS: AUG 26-DEC 20

5138190 38 MWF 3:10-4:00  
 T 1:10-2:00  
 MEETS: AUG 26-DEC 20

5138195 39 MWF 3:10-4:00  
 T 1:10-2:00  
 MEETS: AUG 26-DEC 20

5138200 40 MWF 3:10-4:00  
 T 2:10-3:00  
 MEETS: AUG 26-DEC 20

5138205 41 MWF 3:10-4:00  
 T 2:10-3:00  
 MEETS: AUG 26-DEC 20

5138210 42 MWF 3:10-4:00  
 T 4:10-5:00  
 MEETS: AUG 26-DEC 20

5138215 43 MWF 3:10-4:00  
 T 4:10-5:00  
 MEETS: AUG 26-DEC 20

5138220 44 MWF 8:00-8:50  
 T 8:00-8:50  
 MEETS: AUG 26-DEC 20

5138225 45 MWF 8:00-8:50  
 T 8:00-8:50  
 MEETS: AUG 26-DEC 20

5138230 46 MWF 8:00-8:50  
 T 9:00-9:50  
 MEETS: AUG 26-DEC 20

5138235 47 MWF 8:00-8:50  
 T 9:00-9:50  
 MEETS: AUG 26-DEC 20

5138240 48 MWF 8:00-8:50  
 T 11:00-11:50  
 MEETS: AUG 26-DEC 20

5138245 49 MWF 8:00-8:50  
 T 11:00-11:50  
 MEETS: AUG 26-DEC 20

5138250 50 MWF 10:00-10:50  
 T 10:00-10:50  
 MEETS: AUG 26-DEC 20

5138255 51 MWF 10:00-10:50  
 T 10:00-10:50  
 MEETS: AUG 26-DEC 20

5138260 52 MWF 10:00-10:50  
 T 12:10-1:00  
 MEETS: AUG 26-DEC 20

5138265 53 MWF 10:00-10:50  
 T 12:10-1:00  
 MEETS: AUG 26-DEC 20

5138270 54 MWF 10:00-10:50  
 T 1:10-2:00  
 MEETS: AUG 26-DEC 20

5138275 55 MWF 10:00-10:50  
 T 1:10-2:00  
 MEETS: AUG 26-DEC 20

5138280 56 MWF 10:00-10:50  
 T 8:00-8:50  
 MEETS: AUG 26-DEC 20

5138285 57 MWF 10:00-10:50  
 T 12:10-1:00  
 MEETS: AUG 26-DEC 20

5138290 58 MWF 10:00-10:50  
 T 1:10-2:00  
 MEETS: AUG 26-DEC 20

## MATHEMATICS

(CONTINUED)

CALCULUS II MATH 166 4 CREDITS  
 Prereq: GRADE OF C- OR BETTER IN MATH 165 OR HIGH MATH PLACEMENT SCORES  
 Note: ONLY ONE OF THE FOLLOWING COURSES/SEQUENCES OF COURSES MAY BE APPLIED TOWARD GRADUATION: MATH 151, MATH 160, MATH 165-166, MATH 181  
 Night exams scheduled. For dates go to <http://www.registrar.iastate.edu/students/exams/night-exams>.

5139005 1 MTRF 11:00-11:50  
 MEETS: AUG 26-DEC 20

Note: SEC 1 RESTRICTED TO MATH & STAT MAJORS ONLY

5139010 2 MWF 12:10-1:00  
 T 12:10-1:00  
 MEETS: AUG 26-DEC 20

5139015 3 MWF 12:10-1:00  
 T 12:10-1:00  
 MEETS: AUG 26-DEC 20

5139020 4 MWF 12:10-1:00  
 T 3:10-4:00  
 MEETS: AUG 26-DEC 20

5139025 5 MWF 12:10-1:00  
 T 1:10-2:00  
 MEETS: AUG 26-DEC 20

5139030 6 MWF 12:10-1:00  
 T 1:10-2:00  
 MEETS: AUG 26-DEC 20

5139035 7 MWF 1:10-2:00  
 T 3:10-4:00  
 MEETS: AUG 26-DEC 20

5139040 8 MWF 1:10-2:00  
 R 12:10-1:00  
 MEETS: AUG 26-DEC 20

5139045 9 MWF 1:10-2:00  
 R 12:10-1:00  
 MEETS: AUG 26-DEC 20

5139050 10 MWF 1:10-2:00  
 R 12:10-1:00  
 MEETS: AUG 26-DEC 20

5139055 11 MWF 1:10-2:00  
 R 12:10-1:00  
 MEETS: AUG 26-DEC 20

5139060 12 MWF 1:10-2:00  
 R 1:10-2:00  
 MEETS: AUG 26-DEC 20

5139065 13 MWF 1:10-2:00  
 R 1:10-2:00  
 MEETS: AUG 26-DEC 20

5139070 14 MWF 1:10-2:00  
 R 1:10-2:00  
 MEETS: AUG 26-DEC 20

5139075 15 MWF 1:10-2:00  
 R 1:10-2:00  
 MEETS: AUG 26-DEC 20

5139080 16 MWF 1:10-2:00  
 R 3:10-4:00  
 MEETS: AUG 26-DEC 20

5139085 17 MWF 1:10-2:00  
 R 3:10-4:00  
 MEETS: AUG 26-DEC 20

5139090 18 MWF 1:10-2:00  
 R 3:10-4:00  
 MEETS: AUG 26-DEC 20

5139095 19 MWF 1:10-2:00  
 R 3:10-4:00  
 MEETS: AUG 26-DEC 20

5139100 20 MWF 3:10-4:00  
 T 9:00-9:50  
 MEETS: AUG 26-DEC 20

5139105 21 MWF 3:10-4:00  
 T 10:00-10:50  
 MEETS: AUG 26-DEC 20

5139110 22 MWF 3:10-4:00  
 T 11:00-11:50  
 MEETS: AUG 26-DEC 20

5139115 23 MWF 3:10-4:00  
 T 9:00-9:50  
 MEETS: AUG 26-DEC 20

5139120 24 MWF 3:10-4:00  
 T 9:00-9:50  
 MEETS: AUG 26-DEC 20

5139125 25 MWF 3:10-4:00  
 T 10:00-10:50  
 MEETS: AUG 26-DEC 20

5139130 26 MWF 3:10-4:00  
 T 10:00-10:50  
 MEETS: AUG 26-DEC 20

5139135 27 MWF 3:10-4:00  
 T 11:00-11:50  
 MEETS: AUG 26-DEC 20

5139140 28 MWF 3:10-4:00  
 T 11:00-11:50  
 MEETS: AUG 26-DEC 20

HONORS--CALCULUS II MATH 166H 4 CREDITS  
 Prereq: PERMISSION OF INSTRUCTOR AND MATH 165 OR HIGH MATH PLACEMENT SCORES  
 Note: ONLY ONE OF THE FOLLOWING COURSES/SEQUENCES OF COURSES MAY BE APPLIED TOWARD GRADUATION: MATH 151, MATH 160, MATH 165-166, MATH 181.  
 RESTRICTED TO STUDENTS IN THE UNIVERSITY HONORS PROGRAM. OTHER STUDENTS MAY SEEK PERMISSION OF THE INSTRUCTOR OR ELGIN JOHNSTON OR JENNIFER NEWMAN; BUT PREFERENCE WILL BE GIVEN TO STUDENTS IN THE UNIV HONORS PROGRAM.

## MATHEMATICS

(CONTINUED)

HONORS--CALCULUS II MATH 166H 4 CREDITS  
 1114005 1 MTRF 11:00-11:50  
 MEETS: AUG 26-DEC 20

MATH FOR ELEM ED I MATH 195 3 CREDITS  
 Prereq: SATISFACTORY PERFORMANCE ON PLACEMENT ASSESSMENT, 2 YEARS HIGH SCHOOL ALGEBRA, 1 YEAR OF HIGH SCHOOL GEOMETRY; ENROLLMENT IN ELEMENTARY ED OR EARLY CHILDHOOD EDUCATION  
 Note: STUDENTS IN THE LAS COLLEGE MAY NOT APPLY CREDIT IN MATH 195 TOWARD GENERAL ED REQUIREMENTS FOR GRADUATION  
 Night exams scheduled. For dates go to <http://www.registrar.iastate.edu/students/exams/night-exams>.

5144005 1 MWF 8:00-9:20  
 MEETS: AUG 26-DEC 20

5144010 2 MWF 9:30-10:50  
 MEETS: AUG 26-DEC 20

5144015 3 MWF 11:00-12:20  
 MEETS: AUG 26-DEC 20

5144020 4 MWF 12:40-2:00  
 MEETS: AUG 26-DEC 20

5144025 5 MWF 2:10-3:30  
 MEETS: AUG 26-DEC 20

5144030 6 MWF 11:00-12:20  
 MEETS: AUG 26-DEC 20

MATH FOR ELEM ED II MATH 196 3 CREDITS  
 Prereq: GRADE OF C- OR BETTER IN MATH 195 AND ENROLLMENT IN ELEMENTARY EDUCATION OR EARLY CHILDHOOD EDUCATION.  
 Note: CREDITS EARNED IN MATH 196 CANNOT BE APPLIED TOWARD GRADUATION BY MATH MAJORS  
 Night exams scheduled. For dates go to <http://www.registrar.iastate.edu/students/exams/night-exams>.

8125005 1 MWF 2:10-3:30  
 MEETS: AUG 26-DEC 20

8125010 2 MWF 11:00-12:20  
 MEETS: AUG 26-DEC 20

8125015 3 MWF 9:30-10:50  
 MEETS: AUG 26-DEC 20

8125020 4 MWF 12:40-2:00  
 MEETS: AUG 26-DEC 20

8125025 5 MWF 12:40-2:00  
 MEETS: AUG 26-DEC 20

INTRO TO PROOFS MATH 201 3 CREDITS  
 Prereq: MATH 166 OR MATH 166H

6998005 1 MWF 9:00-9:50  
 MEETS: AUG 26-DEC 20

6998010 2 MWF 12:10-1:00  
 MEETS: AUG 26-DEC 20

6998015 3 MWF 11:00-11:50  
 MEETS: AUG 26-DEC 20

6998020 4 MWF 12:10-1:00  
 MEETS: AUG 26-DEC 20

MATRCES&LINEAR ALGB MATH 207 3 CREDITS  
 Prereq: 2 SEMESTERS OF CALCULUS  
 Note: CREDIT FOR MATH 207 OR MATH 317, BUT NOT BOTH, MAY BE APPLIED TOWARD GRADUATION

5161005 1 MWF 1:10-2:00  
 MEETS: AUG 26-DEC 20

5161010 2 TR 9:30-10:45  
 MEETS: AUG 26-DEC 20

5161015 3 TR 8:00-9:15  
 MEETS: AUG 26-DEC 20

5161020 4 MWF 1:10-2:00  
 MEETS: AUG 26-DEC 20

5161025 5 TR 9:30-10:45  
 MEETS: AUG 26-DEC 20

DISCRETE CMP STRUCT MATH 230 3 CREDITS  
 Prereq: C- OR BETTER IN COM S 227 AND MATH 165; ENGL 150  
 Night exams scheduled. For dates go to <http://www.registrar.iastate.edu/students/exams/night-exams>.

0031005 A MWF 1:10-2:00  
 MEETS: AUG 26-DEC 20

0031010 B MWF 12:10-1:00  
 MEETS: AUG 26-DEC 20

0031100 1 W 9:00-9:50  
 MEETS: AUG 26-DEC 20

0031105 2 W 10:00-10:50  
 MEETS: AUG 26-DEC 20

0031110 3 W 3:10-4:00  
 MEETS: AUG 26-DEC 20

0031115 4 W 10:00-10:50  
 MEETS: AUG 26-DEC 20

0031120 5 M 3:10-4:00  
 MEETS: AUG 26-DEC 20

0031125 6 W 9:00-9:50  
 MEETS: AUG 26-DEC 20

MATHEMATICS

(CONTINUED)

CALCULUS III		MATH 265	4 CREDITS
Prereq: GRADE OF C- OR BETTER IN MATH 166 OR MATH 166H			
Night exams scheduled. For dates go to <a href="http://www.registrar.iastate.edu/students/exams/night-exams">http://www.registrar.iastate.edu/students/exams/night-exams</a> .			
5151005	1	MWF 8:00-8:50 T 12:10-1:00	
5151010	2	MWF 8:00-8:50 T 12:10-1:00	MEETS: AUG 26-DEC 20
5151015	3	MWF 8:00-8:50 T 2:10-3:00	MEETS: AUG 26-DEC 20
5151020	4	MWF 8:00-8:50 T 2:10-3:00	MEETS: AUG 26-DEC 20
5151025	5	MWF 8:00-8:50 T 3:10-4:00	MEETS: AUG 26-DEC 20
5151030	6	MWF 8:00-8:50 T 3:10-4:00	MEETS: AUG 26-DEC 20
5151035	7	MTRF 9:00-9:50	MEETS: AUG 26-DEC 20
Note: SEC 7 RESTRICTED TO MATH, STAT MAJORS ONLY			
5151040	8	MWF 10:00-10:50 T 9:00-9:50	MEETS: AUG 26-DEC 20
5151045	9	MWF 10:00-10:50 T 9:00-9:50	MEETS: AUG 26-DEC 20
5151050	10	MWF 10:00-10:50 T 10:00-10:50	MEETS: AUG 26-DEC 20
5151055	11	MWF 10:00-10:50 T 10:00-10:50	MEETS: AUG 26-DEC 20
5151060	12	MWF 10:00-10:50 T 11:00-11:50	MEETS: AUG 26-DEC 20
5151065	13	MWF 10:00-10:50 T 11:00-11:50	MEETS: AUG 26-DEC 20
5151070	14	MWF 2:10-3:00 R 12:10-1:00	MEETS: AUG 26-DEC 20
5151075	15	MWF 2:10-3:00 R 12:10-1:00	MEETS: AUG 26-DEC 20
5151080	16	MWF 2:10-3:00 R 2:10-3:00	MEETS: AUG 26-DEC 20
5151085	17	MWF 2:10-3:00 R 2:10-3:00	MEETS: AUG 26-DEC 20
5151090	18	MWF 2:10-3:00 R 3:10-4:00	MEETS: AUG 26-DEC 20
5151095	19	MWF 2:10-3:00 R 3:10-4:00	MEETS: AUG 26-DEC 20
5151100	20	MWF 4:10-5:00 R 9:00-9:50	MEETS: AUG 26-DEC 20
5151105	21	MWF 4:10-5:00 R 9:00-9:50	MEETS: AUG 26-DEC 20
5151110	22	MWF 4:10-5:00 R 11:00-11:50	MEETS: AUG 26-DEC 20
5151115	23	MWF 4:10-5:00 R 11:00-11:50	MEETS: AUG 26-DEC 20
5151120	24	MWF 4:10-5:00 R 12:10-1:00	MEETS: AUG 26-DEC 20
5151125	25	MWF 4:10-5:00 R 12:10-1:00	MEETS: AUG 26-DEC 20
5151130	26	MWF 1:10-2:00 R 12:10-1:00	MEETS: AUG 26-DEC 20
5151135	27	MWF 1:10-2:00 R 12:10-1:00	MEETS: AUG 26-DEC 20
5151140	28	MWF 1:10-2:00 R 1:10-2:00	MEETS: AUG 26-DEC 20
5151145	29	MWF 1:10-2:00 R 1:10-2:00	MEETS: AUG 26-DEC 20
5151150	30	MWF 1:10-2:00 R 3:10-4:00	MEETS: AUG 26-DEC 20
5151155	31	MWF 1:10-2:00 R 3:10-4:00	MEETS: AUG 26-DEC 20
5151160	32	MWF 4:10-5:00 R 11:00-11:50	MEETS: AUG 26-DEC 20
5151165	33	MWF 4:10-5:00 R 11:00-11:50	MEETS: AUG 26-DEC 20

MATHEMATICS

(CONTINUED)

CALCULUS III		MATH 265	4 CREDITS
5151170	34	MWF 4:10-5:00 R 12:10-1:00	MEETS: AUG 26-DEC 20
5151175	35	MWF 4:10-5:00 R 12:10-1:00	MEETS: AUG 26-DEC 20
5151180	36	MWF 4:10-5:00 R 2:10-3:00	MEETS: AUG 26-DEC 20
ELEM DIFF EQUATNS		MATH 266	3 CREDITS
Prereq: GRADE OF C- OR BETTER IN MATH 166 OR MATH 166H			
Note: CREDIT FOR EITHER MATH 267 OR THE MATH 266,268 PAIR OF COURSES, BUT NOT BOTH, MAY BE APPLIED TOWARD GRADUATION. CREDIT FOR ONLY ONE OF THE FOLLOWING COURSES MAY BE APPLIED TOWARD GRADUATION: MATH 267, MATH 266, MATH 269X, MATH 269.			
5152005	1	MWF 9:00-9:50	MEETS: AUG 26-DEC 20
5152020	2	MWF 10:00-10:50	MEETS: AUG 26-DEC 20
5152025	3	MWF 1:10-2:00	MEETS: AUG 26-DEC 20
DIFF EQ & TRANSFMS		MATH 267	4 CREDITS
Prereq: GRADE OF C- OR BETTER IN MATH 166 OR MATH 166H			
Note: CREDIT FOR EITHER MATH 267 OR THE MATH 266,268 PAIR OF COURSES, BUT NOT BOTH, MAY BE APPLIED TOWARD GRADUATION. CREDIT FOR ONLY ONE OF THE FOLLOWING COURSES MAY BE APPLIED TOWARD GRADUATION: MATH 267, MATH 266, MATH 269X, MATH 269.			
5153050	1	MWF 8:00-8:50 T 8:00-8:50	MEETS: AUG 26-DEC 20
5153055	2	MWF 8:00-8:50 T 9:00-9:50	MEETS: AUG 26-DEC 20
5153060	3	MWF 8:00-8:50 T 10:00-10:50	MEETS: AUG 26-DEC 20
5153065	4	MWF 12:10-1:00 R 8:00-8:50	MEETS: AUG 26-DEC 20
5153070	5	MWF 12:10-1:00 R 9:00-9:50	MEETS: AUG 26-DEC 20
5153075	6	MWF 12:10-1:00 R 11:00-11:50	MEETS: AUG 26-DEC 20
5153080	7	MWF 12:10-1:00 R 8:00-8:50	MEETS: AUG 26-DEC 20
5153085	8	MWF 12:10-1:00 R 9:00-9:50	MEETS: AUG 26-DEC 20
5153090	9	MWF 12:10-1:00 R 11:00-11:50	MEETS: AUG 26-DEC 20
5153095	10	MWF 4:10-5:00 T 2:10-3:00	MEETS: AUG 26-DEC 20
5153100	11	MWF 4:10-5:00 T 3:10-4:00	MEETS: AUG 26-DEC 20
5153105	12	MWF 4:10-5:00 T 4:10-5:00	MEETS: AUG 26-DEC 20
5153110	13	MWF 4:10-5:00 T 2:10-3:00	MEETS: AUG 26-DEC 20
5153115	14	MWF 4:10-5:00 T 3:10-4:00	MEETS: AUG 26-DEC 20
5153120	15	MWF 4:10-5:00 T 4:10-5:00	MEETS: AUG 26-DEC 20
5153125	16	MWF 2:10-3:00 T 8:00-8:50	MEETS: AUG 26-DEC 20
5153130	17	MWF 2:10-3:00 T 8:00-8:50	MEETS: AUG 26-DEC 20
5153135	18	MWF 2:10-3:00 T 9:00-9:50	MEETS: AUG 26-DEC 20
5153140	19	MWF 2:10-3:00 T 9:00-9:50	MEETS: AUG 26-DEC 20
5153145	20	MWF 2:10-3:00 T 12:10-1:00	MEETS: AUG 26-DEC 20
5153150	21	MWF 2:10-3:00 T 12:10-1:00	MEETS: AUG 26-DEC 20
5153155	22	MWF 2:10-3:00 T 8:00-8:50	MEETS: AUG 26-DEC 20
5153160	23	MWF 2:10-3:00 T 9:00-9:50	MEETS: AUG 26-DEC 20
5153165	24	MWF 2:10-3:00 T 12:10-1:00	MEETS: AUG 26-DEC 20

## MATHEMATICS

(CONTINUED)

LAPLACE TRANSFORMS MATH 268 1 CREDIT  
Prereq: MATH 266  
Note: CREDIT FOR EITHER MATH 267 OR THE MATH 266,268  
PAIR OF COURSES, BUT NOT BOTH, MAY BE APPLIED TOWARD  
GRADUATION  
Instructor permission required.  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

SYSTMS OF DIFF EQUA MATH 269 1 CREDIT  
Prereq: FAMILIARITY WITH ORDINARY DIFFERENTIAL  
EQUATIONS OF FIRST AND SECOND ORDER, PERMISSION  
OF DEPARTMENT  
Note: CREDIT FOR ONLY ONE OF THE FOLLOWING COURSES  
MAY BE APPLIED TOWARD GRADUATION: MATH 266, MATH 267,  
MATH 269X, MATH 269  
Instructor permission required.  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

INDEPENDENT STUDY MATH 290 1- 3 CREDITS  
Prereq: PERMISSION OF INSTRUCTOR  
Note: Department permission required.  
5156005 1 ARRANGED  
MEETS: AUG 26-DEC 20  
5156010 2 ARRANGED  
MEETS: AUG 26-DEC 20

INDEP STUDY HONORS MATH 290H 1- 3 CREDITS  
Prereq: MEMBERSHIP IN UNIV HONORS PROGRAM,  
PERMISSION OF INSTRUCTOR  
Note: Department permission required.  
5157005 1 ARRANGED  
MEETS: AUG 26-DEC 20

INTMED TOPIC ELEM M MATH 297 3 CREDITS  
Prereq: ENROLLMENT IN ELEMENTARY EDUCATION AND  
GRADE OF C- OR BETTER IN MATH 196  
4437005 1 MWF 8:00-9:15  
MEETS: AUG 26-DEC 20  
4437010 2 MWF 9:30-10:45  
MEETS: AUG 26-DEC 20

ABSTRACT ALGEBRA I MATH 301 3 CREDITS  
Prereq: MATH 166 OR MATH 166H, MATH 317 OR MATH  
407, GRADE OF C- OR BETTER IN MATH 201  
5158005 1 MWF 10:00-10:50  
MEETS: AUG 26-DEC 20  
5158010 2 MWF 11:00-11:50  
MEETS: AUG 26-DEC 20

COMBINATORICS MATH 304 3 CREDITS  
Prereq: MATH 166 OR MATH 166H; MATH 201 OR  
EXPERIENCE WITH PROOFS  
5160005 1 TR 9:30-10:50  
MEETS: AUG 26-DEC 20

THRY LINEAR ALGEBRA MATH 317 4 CREDITS  
Prereq: CREDIT OR ENROLLMENT IN MATH 201  
Note: CREDIT FOR EITHER MATH 207 OR MATH 317, BUT  
NOT BOTH, MAY BE APPLIED TOWARD GRADUATION  
7872005 1 MTRF 10:00-10:50  
MEETS: AUG 26-DEC 20  
7872010 2 MTRF 12:10-1:00  
MEETS: AUG 26-DEC 20  
7872015 3 MTRF 1:10-2:00  
MEETS: AUG 26-DEC 20

TOPOLOGY MATH 331 3 CREDITS  
Prereq: MATH 201; MATH 301 OR MATH 317  
OR MATH 414 OR MATH 435  
5164005 1 MWF 9:00-9:50  
MEETS: AUG 26-DEC 20

INTR THY PROBAB&S I MATH 341 4 CREDITS  
Prereq: MATH 265 (OR MATH 265H)  
Note: CREDIT FOR EITHER MATH/STAT 341 OR STAT 447,  
BUT NOT BOTH, MAY BE APPLIED TOWARD GRADUATION  
5166005 1 MWF 10:00-10:50  
T 12:10-2:00  
MEETS: AUG 26-DEC 20

INTR THY PR&STAT II MATH 342 4 CREDITS  
Prereq: STAT 201 OR EQUIVALENT; STAT 341;  
MATH 207 OR MATH 317  
5167005 1 MWF 11:00-11:50  
T 2:10-4:00  
MEETS: AUG 26-DEC 20

INTR SCIENTF CMPNG MATH 373 3 CREDITS  
Prereq: MATH 265  
2626005 1 TR 11:00-12:15  
MEETS: AUG 26-DEC 20

INTR PART DIFF EQUA MATH 385 3 CREDITS  
Prereq: MATH 265 AND ONE OF MATH 266, MATH 267  
5170005 1 TR 11:00-12:15  
MEETS: AUG 26-DEC 20

## MATHEMATICS

(CONTINUED)

COOPERATIVE EDUC MATH 398 R CREDIT  
Prereq: PERMISSION OF THE DEPARTMENT COOPERATIVE  
EDUCATION COORDINATOR; JUNIOR CLASSIFICATION  
4551005 1 ARRANGED  
MEETS: AUG 26-DEC 20  
Note: Department permission required.

APPL LINEAR ALGEBRA MATH 407 3 CREDITS  
Prereq: MATH 317; OR MATH 207 AND EXPERIENCE  
WRITING PROOFS  
7946005 1 MWF 10:00-10:50  
MEETS: AUG 26-DEC 20

ANALYSIS I MATH 414 3 CREDITS  
Prereq: GRADE OF C- OR BETTER IN MATH 201  
5171005 1 MWF 12:10-1:00  
MEETS: AUG 26-DEC 20  
5171010 2 MWF 1:10-2:00  
MEETS: AUG 26-DEC 20

LOGIC MATH&CPTR SCI MATH 421 3 CREDITS  
Prereq: MATH 301 OR MATH 207 OR MATH 317 OR  
COM S 330  
6470005 1 TR 11:00-12:20  
MEETS: AUG 26-DEC 20

INTR HI PRFM CMPUTG MATH 424 3 CREDITS  
Prereq: MATH 265; MATH 207 OR MATH 317; OR  
PERMISSION OF INSTRUCTOR  
9406005 1 TR 2:10-4:00  
MEETS: AUG 26-DEC 20

GEOMETRY I MATH 435 3 CREDITS  
Prereq: MATH 201; MATH 207 OR MATH 317  
5175005 1 MWF 9:00-9:50  
MEETS: AUG 26-DEC 20

INDEPENDENT STUDY MATH 490 1- 3 CREDITS  
Prereq: PERMISSION OF INSTRUCTOR  
Note: NO MORE THAN 9 CREDITS OF MATH 490 OR MATH 490H  
MAY BE APPLIED TOWARD GRADUATION  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

INDEP STUDY HONORS MATH 490H 1- 3 CREDITS  
Prereq: PERMISSION OF INSTRUCTOR, MEMBERSHIP  
IN THE UNIVERSITY HONORS PROGRAM.  
Note: NO MORE THAN 9 CREDITS OF MATH 490 OR MATH 490H  
MAY BE APPLIED TOWARD GRADUATION. RESTRICTED TO  
MEMBERS OF THE UNIVERSITY HONORS PROGRAM ONLY.  
Department permission required.  
5183005 1 ARRANGED  
MEETS: AUG 26-DEC 20

UNDERGRAD THESIS MATH 491 2- 3 CREDITS  
Note: Department permission required.  
5184005 1 ARRANGED  
MEETS: AUG 26-DEC 20  
5184010 2 ARRANGED  
MEETS: AUG 26-DEC 20  
Note: SEC 2 OFFERED FOR 3 CREDITS  
Instructor permission required.

UNDERGRAD SEMINAR MATH 492 2 CREDITS  
Prereq: MATH 317 OR MATH 407  
6698005 1 M 3:10-5:00  
MEETS: AUG 26-DEC 20

TEACH SEC SCHL MATH MATH 497 3 CREDITS  
Prereq: 15 CR IN COLLEGE MATH; IF IN A TEACHER  
LICENSURE PROGRAM, CONCURRENT ENROLLMENT IN EDUC 426  
OR EDUC 526  
5185005 1 T 5:10-8:00PM  
MEETS: AUG 26-DEC 20

INTRO REAL ANALYSIS MATH 501 3 CREDITS  
Prereq: MATH 265; MATH 207 OR MATH 317  
7394005 1 MWF 11:00-11:50  
MEETS: AUG 26-DEC 20

ABSTRACT ALGEBRA I MATH 504 3 CREDITS  
Prereq: MATH 302  
5186005 1 MWF 12:10-1:00  
MEETS: AUG 26-DEC 20

APPL LINEAR ALGEBRA MATH 507 3 CREDITS  
Prereq: MATH 307 OR MATH 317  
7915005 1 MWF 10:00-10:50  
MEETS: AUG 26-DEC 20

REAL ANALYSIS I MATH 515 3 CREDITS  
Prereq: MATH 414 OR MATH 501  
5196005 1 MWF 11:00-11:50  
MEETS: AUG 26-DEC 20

MTHD APPLIED MATH I MATH 519 3 CREDITS  
Prereq: MATH 414 OR MATH 501  
2281005 1 MWF 2:10-3:00  
MEETS: AUG 26-DEC 20



MATHEMATICS (CONTINUED)

INTRO STOCHAST PROC MATH 554 3 CREDITS  
 Prereq: STAT 542  
 5214005 1 MWF 1:10-2:00  
 MEETS: AUG 26-DEC 20

NUMERICL ANALYSIS I MATH 561 3 CREDITS  
 Prereq: MATH 414 OR MATH 501  
 7502005 1 TR 12:40-2:00  
 MEETS: AUG 26-DEC 20

DISCRETE OPTIMIZATN MATH 566 3 CREDITS  
 Prereq: MATH 317 OR MATH 507 OR MATH 510  
 4953005 1 TR 12:30-1:45  
 MEETS: AUG 26-DEC 20

GRAPH THEORY MATH 567 3 CREDITS  
 Prereq: MATH 314 OR MATH 507 OR MATH 510  
 3535005 1 TR 11:00-12:15  
 MEETS: AUG 26-DEC 20

RANDOM SIGNAL&KALMN MATH 573 3 CREDITS  
 Prereq: E E 324 OR AER E 331 OR M E 370 OR  
 M E 411 OR MATH 341 OR MATH 395  
 8192005 1 MWF 12:10-1:00 SHERMAN P  
 MEETS: AUG 26-DEC 20

LINEAR SYSTEMS MATH 577 3 CREDITS  
 Prereq: E E 324 OR AER E 331 OR M E 414 OR  
 MATH 415; AND MATH 307  
 7904005 1 TR 2:10-3:30  
 MEETS: AUG 26-DEC 20

INDEPENDENT STUDY MATH 590 VAR. CREDITS  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

MATH GRAD ORIENTN I MATH 591 .5 CREDIT  
 Satisfactory-Fail Only.  
 6385005 1 W 4:10-5:00  
 MEETS: AUG 26-DEC 20

CREATIVE COMPONENT MATH 599 VAR. CREDITS  
 Satisfactory-Fail Only.  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

DSGN THRY&ASSOC SCH MATH 605 3 CREDITS  
 Prereq: MATH 504  
 8887005 1 MWF 1:10-2:00  
 MEETS: AUG 26-DEC 20

SEMINAR MATH 610 VAR. CREDITS  
 5231005 1 ARRANGED  
 MEETS: AUG 26-DEC 20

CATEGORY THEORY MATH 617 3 CREDITS  
 Prereq: MATH 504  
 5226005 1 MWF 2:10-3:00  
 MEETS: AUG 26-DEC 20

HARMONIC ANALYSIS MATH 631 3 CREDITS  
 Prereq: MATH 515  
 5595005 1 MWF 10:00-10:50  
 MEETS: AUG 26-DEC 20

FOUND PRBABLTY THRY MATH 641 3 CREDITS  
 Prereq: MATH 414 OR MATH 510 OR EQUIVALENT  
 COURSE  
 4896005 1 MWF 9:00-9:50  
 MEETS: AUG 26-DEC 20

PARTIAL DIFF EQUA I MATH 655 3 CREDITS  
 Prereq: MATH 515 OR MATH 519  
 5227005 1 TR 9:30-10:45  
 MEETS: AUG 26-DEC 20

FINITE ELEMNT METHD MATH 666 3 CREDITS  
 Prereq: MATH 516 OR MATH 520 OR MATH 561 OR MATH  
 656  
 5378005 1 TR 8:00-9:15  
 MEETS: AUG 26-DEC 20

ADV TOPICS ALGEBRA MATH 680A 3 CREDITS  
 Prereq: PERMISSION OF INSTRUCTOR  
 Note: Department permission required.  
 5232005 1 ARRANGED  
 MEETS: AUG 26-DEC 20

ADV TOPICS ANALYSIS MATH 680B 3 CREDITS  
 Prereq: PERMISSION OF INSTRUCTOR  
 Note: Department permission required.  
 5233005 1 ARRANGED  
 MEETS: AUG 26-DEC 20

ADV TOPCS DIFF EQUA MATH 680E 3 CREDITS  
 Prereq: PERMISSION OF INSTRUCTOR  
 Note: Department permission required.  
 5243005 1 ARRANGED  
 MEETS: AUG 26-DEC 20

MATHEMATICS (CONTINUED)

ADV TOPIC LOGIC&FND MATH 680G 3 CREDITS  
 Prereq: PERMISSION OF INSTRUCTOR  
 Note: Department permission required.  
 5239005 1 ARRANGED  
 MEETS: AUG 26-DEC 20

ADV TOPCS PROBABLTY MATH 680K 3 CREDITS  
 Prereq: PERMISSION OF INSTRUCTOR  
 9603005 1 ARRANGED  
 MEETS: AUG 26-DEC 20  
 Note: Department permission required.

ADV TOPICS TOPOLOGY MATH 680L 3 CREDITS  
 Prereq: PERMISSION OF INSTRUCTOR  
 Note: Department permission required.  
 5245005 1 ARRANGED  
 MEETS: AUG 26-DEC 20

RESEARCH MATH 699 VAR. CREDITS  
 Satisfactory-Fail Only.  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

**MECHANICAL ENGINEERING**

PROBLM SOLV WTH CPR M E 160 3 CREDITS  
 Prereq: M E MAJORS ONLY. MATH 142 OR MATH 143 OR  
 MATH 145; CREDIT OR ENROLLMENT IN MATH 165  
 Note: CREDIT IN ONLY ONE OF THE FOLLOWING COURSES  
 MAY BE APPLIED TOWARD GRADUATION: A B E 160, C E 160,  
 AER E 160, ENGR 160, M E 160, CPR E 185, E E 185,  
 S E 185, I E 148. RESTRICTED TO M E MAJORS ONLY.  
 9082005 1 MW 8:00-9:50  
 MEETS: AUG 26-DEC 20

9082010 2 MW 10:00-11:50  
 MEETS: AUG 26-DEC 20

9082015 3 MW 12:10-2:00  
 MEETS: AUG 26-DEC 20

9082020 4 TR 4:10-6:00PM  
 MEETS: AUG 26-DEC 20

9082025 5 MW 2:10-4:00  
 MEETS: AUG 26-DEC 20

9082030 6 TR 8:00-9:50  
 MEETS: AUG 26-DEC 20

9082035 7 TR 10:00-11:50  
 MEETS: AUG 26-DEC 20

9082040 8 TR 12:10-2:00  
 MEETS: AUG 26-DEC 20

9082045 9 MW 4:10-6:00PM  
 MEETS: AUG 26-DEC 20

ENG GRPHC&INTR DSGN M E 170 3 CREDITS  
 Prereq: CREDIT OR ENROLLMENT IN MATH 142 OR  
 MATH 143 OR MATH 145; SATISFACTORY SCORES ON  
 MATHEMATICS PLACEMENT ASSESSMENTS  
 Note: THE ARRANGED TIMES REPRESENT ONE LARGE-GROUP  
 EVENING MEETING ON A DATE TO BE DETERMINED.  
 RESTRICTED TO M E MAJORS ONLY  
 8346005 1 MW 8:00-9:50, ARRANGED  
 MEETS: AUG 26-DEC 20

8346010 2 MW 10:00-11:50  
 ARRANGED  
 MEETS: AUG 26-DEC 20

8346015 3 MW 12:10-2:00  
 ARRANGED  
 MEETS: AUG 26-DEC 20

8346020 4 MW 2:10-4:00, ARRANGED  
 MEETS: AUG 26-DEC 20

8346025 5 TR 8:00-9:50, ARRANGED  
 MEETS: AUG 26-DEC 20

8346030 6 TR 10:00-11:50  
 ARRANGED  
 MEETS: AUG 26-DEC 20

8346035 7 TR 12:10-2:00  
 ARRANGED  
 MEETS: AUG 26-DEC 20

8346040 8 TR 2:10-4:00, ARRANGED  
 MEETS: AUG 26-DEC 20

8346045 9 TR 4:10-6:00PM  
 ARRANGED  
 MEETS: AUG 26-DEC 20

8346050 10 MW 8:00-9:50, ARRANGED  
 MEETS: AUG 26-DEC 20

LEARNING COMMUNITIE M E 190 1 CREDIT  
 7612005 1 TR 3:10-4:00  
 MEETS: AUG 26-DEC 20

7612010 2 TR 3:10-4:00  
 MEETS: AUG 26-DEC 20

7612015 3 TR 3:10-4:00  
 MEETS: AUG 26-DEC 20

7612020 4 TR 3:10-4:00  
 MEETS: AUG 26-DEC 20

7612025 5 TR 3:10-4:00  
 MEETS: AUG 26-DEC 20

7612030 6 TR 3:10-4:00  
 MEETS: AUG 26-DEC 20

7612035 7 TR 3:10-4:00  
 MEETS: AUG 26-DEC 20

7612040 8 TR 3:10-4:00  
 MEETS: AUG 26-DEC 20

7612045 9 TR 3:10-4:00  
 MEETS: AUG 26-DEC 20

7612050 10 TR 3:10-4:00  
 MEETS: AUG 26-DEC 20

MECHANICAL ENGINEERING (CONTINUED)

LEARNING COMMUNITIE M E 190 1 CREDIT  
 7612055 11 TR 3:10-4:00  
 MEETS: AUG 26-DEC 20  
 7612060 12 TR 3:10-4:00  
 MEETS: AUG 26-DEC 20  
 7612065 13 TR 3:10-4:00  
 MEETS: AUG 26-DEC 20  
 7612070 14 TR 3:10-4:00  
 MEETS: AUG 26-DEC 20  
 7612075 15 TR 3:10-4:00  
 MEETS: AUG 26-DEC 20  
 7612080 16 TR 3:10-4:00  
 MEETS: AUG 26-DEC 20

MECH ENGR PRO PLAN M E 202 R CREDIT  
 Prereq: CREDIT OR ENROLLMENT IN M E 231  
 Note: COURSE RESTRICTED TO M E SOPHOMORES, JUNIORS  
 AND SENIORS ONLY  
 Satisfactory-Fail Only.  
 4870005 1 R 2:10-3:00  
 MEETS: AUG 26-DEC 20  
 4870010 2 R 3:10-4:00  
 MEETS: AUG 26-DEC 20

ENGR THERMODYNAMICS I M E 231 3 CREDITS  
 Prereq: MATH 166, CHEM 167, PHYS 221  
 Note: COURSE RESTRICTED TO ENGR COLLEGE MAJORS ONLY.  
 CREDIT FOR EITHER M E 231 OR M E 330, BUT NOT BOTH,  
 MAY BE APPLIED TOWARD GRADUATION.  
 4877005 1 MWF 8:00-8:50  
 MEETS: AUG 26-DEC 20  
 4877010 2 MWF 1:10-2:00  
 MEETS: AUG 26-DEC 20  
 4877015 3 MWF 2:10-3:00  
 MEETS: AUG 26-DEC 20  
 4877020 4 TR 9:30-10:50  
 MEETS: AUG 26-DEC 20  
 4877025 5 TR 11:00-12:20  
 MEETS: AUG 26-DEC 20  
 4877030 6 TR 11:00-12:20  
 MEETS: AUG 26-DEC 20

INTR MCH ENG DESIGN M E 270 3 CREDITS  
 Prereq: M E 160 OR EQUIVALENT, M E 170 OR  
 EQUIVALENT, PHYS 221  
 Note: COURSE RESTRICTED TO M E MAJORS ONLY  
 6270005 1 ARRANGED  
 MWF 10:00-11:50  
 MEETS: AUG 26-DEC 20  
 6270010 2 ARRANGED  
 MWF 12:10-2:00  
 MEETS: AUG 26-DEC 20  
 6270015 3 ARRANGED  
 MWF 2:10-4:00  
 MEETS: AUG 26-DEC 20  
 6270020 4 ARRANGED  
 TR 8:00-10:50  
 MEETS: AUG 26-DEC 20  
 6270025 5 ARRANGED  
 TR 11:00-1:50  
 MEETS: AUG 26-DEC 20  
 6270030 6 ARRANGED, TR 2:10-5:00  
 MEETS: AUG 26-DEC 20

MANUFACTURING ENGR M E 324 3 CREDITS  
 Prereq: M E 270, E M 324, MAT E 273, M E 324L  
 Note: COURSE RESTRICTED TO M E AND A E MAJORS ONLY  
 6277005 1 MWF 3:10-4:00  
 MEETS: AUG 26-DEC 20  
 6277010 2 TR 12:40-2:00  
 MEETS: AUG 26-DEC 20  
 6277015 3 MWF 3:10-4:00  
 MEETS: AUG 26-DEC 20

MFG ENGINEERING LAB M E 324L 1 CREDIT  
 Prereq: M E 270, MAT E 273  
 4270005 1 T 8:00-9:50  
 MEETS: AUG 26-DEC 20  
 4270010 2 W 9:00-10:50  
 MEETS: AUG 26-DEC 20  
 4270015 3 R 8:00-9:50  
 MEETS: AUG 26-DEC 20  
 4270020 4 F 8:00-9:50  
 MEETS: AUG 26-DEC 20  
 4270025 5 T 10:00-11:50  
 MEETS: AUG 26-DEC 20  
 4270030 6 W 11:00-12:50  
 MEETS: AUG 26-DEC 20  
 4270035 7 R 10:00-11:50  
 MEETS: AUG 26-DEC 20  
 4270040 8 F 10:00-11:50  
 MEETS: AUG 26-DEC 20  
 4270045 9 M 12:10-2:00  
 MEETS: AUG 26-DEC 20  
 4270050 10 T 12:10-2:00  
 MEETS: AUG 26-DEC 20  
 4270055 11 W 1:10-3:00  
 MEETS: AUG 26-DEC 20  
 4270060 12 R 12:10-2:00  
 MEETS: AUG 26-DEC 20  
 4270065 13 M 2:10-4:00  
 MEETS: AUG 26-DEC 20  
 4270070 14 T 2:10-4:00  
 MEETS: AUG 26-DEC 20  
 4270075 15 R 2:10-4:00  
 MEETS: AUG 26-DEC 20

MECHANICAL ENGINEERING (CONTINUED)

MFG ENGINEERING LAB M E 324L 1 CREDIT  
 4270080 16 W 3:10-5:00  
 MEETS: AUG 26-DEC 20

MECH COMPONENT DSGN M E 325 3 CREDITS  
 Prereq: M E 170, E M 324, STAT 305  
 Note: COURSE RESTRICTED TO A E, M E MAJORS ONLY  
 6287005 1 MWF 1:10-2:00  
 MEETS: AUG 26-DEC 20  
 6287010 2 MWF 1:10-2:00  
 MEETS: AUG 26-DEC 20  
 6287015 3 TR 9:30-10:45  
 MEETS: AUG 26-DEC 20

ENGR THERMODYNAMICS II M E 332 3 CREDITS  
 Prereq: M E 231  
 Note: COURSE RESTRICTED TO M E MAJORS ONLY  
 4878005 1 MWF 11:00-11:50  
 MEETS: AUG 26-DEC 20  
 4878010 2 MWF 2:10-3:00  
 MEETS: AUG 26-DEC 20  
 4878015 3 MWF 2:10-3:00  
 MEETS: AUG 26-DEC 20  
 4878020 4 MWF 1:10-2:00  
 MEETS: AUG 26-DEC 20

FLUID FLOW M E 335 4 CREDITS  
 Prereq: M E 345, MATH 266 OR MATH 267,  
 CREDIT OR ENROLLMENT IN M E 332  
 Note: COURSE RESTRICTED TO M E MAJORS ONLY.  
 2-PART COURSE. REGISTER FOR A LECTURE SEC  
 FIRST AND THEN A LAB SEC. STUDENTS WHO DON'T  
 REGISTER FOR BOTH LECTURE AND LAB SHOULD DROP THE  
 COURSE DUE TO INCOMPLETE REGISTRATION.

5703400 A TR 12:40-2:00  
 MEETS: AUG 26-DEC 20  
 5703405 B TR 12:40-2:00  
 MEETS: AUG 26-DEC 20  
 5703410 C TR 8:00-9:20  
 MEETS: AUG 26-DEC 20  
 5703005 1 W 8:00-9:50  
 MEETS: AUG 26-DEC 20  
 5703010 2 F 8:00-9:50  
 MEETS: AUG 26-DEC 20  
 5703015 3 T 10:00-11:50  
 MEETS: AUG 26-DEC 20  
 5703020 4 W 10:00-11:50  
 MEETS: AUG 26-DEC 20  
 5703025 5 R 10:00-11:50  
 MEETS: AUG 26-DEC 20  
 5703030 6 F 10:00-11:50  
 MEETS: AUG 26-DEC 20  
 5703035 7 W 12:10-2:00  
 MEETS: AUG 26-DEC 20  
 5703040 8 T 2:10-4:00  
 MEETS: AUG 26-DEC 20  
 5703045 9 W 2:10-4:00  
 MEETS: AUG 26-DEC 20  
 5703050 10 R 2:10-4:00  
 MEETS: AUG 26-DEC 20  
 5703055 11 T 4:10-6:00PM  
 MEETS: AUG 26-DEC 20  
 5703060 12 W 4:10-6:00PM  
 MEETS: AUG 26-DEC 20  
 5703065 13 R 4:10-6:00PM  
 MEETS: AUG 26-DEC 20  
 5703070 14 M 4:10-6:00PM  
 MEETS: AUG 26-DEC 20

ENGINEERING DYNAMICS M E 345 3 CREDITS  
 Night exams scheduled. For dates go to  
<http://www.registrar.iastate.edu/students/exams/night-exams>.  
 2025005 1 MWF 9:00-9:50  
 MEETS: AUG 26-DEC 20  
 2025010 2 MWF 9:00-9:50  
 MEETS: AUG 26-DEC 20  
 2025015 3 MWF 12:10-1:00  
 MEETS: AUG 26-DEC 20  
 2025020 4 MWF 2:10-3:00  
 MEETS: AUG 26-DEC 20  
 2025025 5 MWF 11:00-11:50  
 MEETS: AUG 26-DEC 20

ENGINRNG MEASUREMNTS M E 370 3 CREDITS  
 Prereq: E E 442, STAT 305  
 Note: COURSE RESTRICTED TO M E MAJORS ONLY.  
 2-PART COURSE. REGISTER FOR A LECTURE SEC  
 FIRST AND THEN A LAB SEC. STUDENTS WHO DON'T  
 REGISTER FOR BOTH LECTURE AND LAB SHOULD DROP THE  
 COURSE DUE TO INCOMPLETE REGISTRATION.  
 4881005 A MW 8:00-8:50  
 MEETS: AUG 26-DEC 20  
 4881010 B MW 8:00-8:50  
 MEETS: AUG 26-DEC 20  
 4881020 1 T 9:00-11:50  
 MEETS: AUG 26-DEC 20  
 4881025 2 W 9:00-11:50  
 MEETS: AUG 26-DEC 20  
 4881030 3 R 9:00-11:50  
 MEETS: AUG 26-DEC 20  
 4881035 4 F 8:00-10:50  
 MEETS: AUG 26-DEC 20  
 4881040 5 M 12:10-3:00  
 MEETS: AUG 26-DEC 20

## MECHANICAL ENGINEERING (CONTINUED)

ENGINRNG MEASUREMENTS M E 370 3 CREDITS  
 4881045 6 T 12:10-3:00  
 MEETS: AUG 26-DEC 20  
 4881050 7 W 12:10-3:00  
 MEETS: AUG 26-DEC 20  
 4881055 8 R 12:10-3:00  
 MEETS: AUG 26-DEC 20  
 4881060 9 F 11:00-1:50  
 MEETS: AUG 26-DEC 20  
 4881065 10 M 3:10-6:00PM  
 MEETS: AUG 26-DEC 20  
 4881070 11 T 3:10-6:00PM  
 MEETS: AUG 26-DEC 20  
 4881075 12 W 3:10-6:00PM  
 MEETS: AUG 26-DEC 20  
 4881080 13 R 3:10-6:00PM  
 MEETS: AUG 26-DEC 20  
 4881085 14 F 2:10-5:00  
 MEETS: AUG 26-DEC 20

COOPERATIVE EDUC M E 398 R CREDIT  
 Prereq: PERMISSION OF DEPARTMENT AND ENGINEERING  
 CAREER SERVICES  
 Satisfactory-Fail Only.  
 \*\*\*\*\*  
 SEE DEPT FOR REFERENCE NUMBERS

AUTOMATIC CONTROLS M E 411 3 CREDITS  
 Prereq: M E 421  
 4885005 1 TR 10:00-10:50  
 M 12:10-2:00  
 MEETS: AUG 26-DEC 20

ETHCL RSPNSBLT ENGR M E 412 3 CREDITS  
 Prereq: CREDIT OR ENROLLMENT IN M E 325  
 4886005 1 TR 11:00-12:15  
 MEETS: AUG 26-DEC 20

FLUID POWER ENGR M E 413 3 CREDITS  
 Prereq: CREDIT OR ENROLLMENT IN M E 335 OR E M  
 378, A E 216 OR M E 270  
 8727005 1 MW 9:00-9:50  
 W 10:00-11:50  
 MEETS: AUG 26-DEC 20  
 8727010 2 MW 9:00-9:50  
 W 1:10-3:00  
 MEETS: AUG 26-DEC 20  
 8727015 3 MW 9:00-9:50  
 W 3:10-5:00  
 MEETS: AUG 26-DEC 20  
 8727020 4 MW 9:00-9:50  
 M 10:00-11:50  
 MEETS: AUG 26-DEC 20

MECHANICAL SYST DSN M E 415 3 CREDITS  
 Prereq: M E 324, M E 325  
 4888005 1 TR 8:00-10:50  
 MEETS: AUG 26-DEC 20  
 4888010 2 TR 11:00-1:50  
 MEETS: AUG 26-DEC 20  
 4888015 3 TR 2:10-5:00  
 MEETS: AUG 26-DEC 20  
 4888020 4 MWF 10:00-11:50  
 MEETS: AUG 26-DEC 20  
 4888025 5 MWF 1:10-3:00  
 MEETS: AUG 26-DEC 20

COMPUTER-AIDED DSGN M E 419 3 CREDITS  
 Prereq: M E 325  
 6207005 1 TR 2:10-3:30  
 MEETS: AUG 26-DEC 20

SYST DYNAM & CONTROL M E 421 4 CREDITS  
 Prereq: M E 345, MATH 267, E E 442, E E 448  
 Note: COURSE RESTRICTED TO M E MAJORS ONLY.  
 2-PART COURSE. REGISTER FOR A LECTURE SEC  
 FIRST AND THEN A LAB SEC. STUDENTS WHO DON'T  
 REGISTER FOR BOTH LECTURE AND LAB SHOULD DROP THE R  
 COURSE DUE TO INCOMPLETE REGISTRATION.  
 6310001 A TR 8:00-9:20  
 MEETS: AUG 26-DEC 20  
 6310002 B TR 8:00-9:20  
 MEETS: AUG 26-DEC 20  
 6310003 C TR 11:00-12:20  
 MEETS: AUG 26-DEC 20  
 6310011 1 W 8:00-9:50  
 MEETS: AUG 26-DEC 20  
 6310012 2 F 8:00-9:50  
 MEETS: AUG 26-DEC 20  
 6310015 3 T 10:00-11:50  
 MEETS: AUG 26-DEC 20  
 6310020 4 W 10:00-11:50  
 MEETS: AUG 26-DEC 20  
 6310025 5 R 10:00-11:50  
 MEETS: AUG 26-DEC 20  
 6310030 6 F 10:00-11:50  
 MEETS: AUG 26-DEC 20  
 6310035 7 T 1:10-3:00  
 MEETS: AUG 26-DEC 20  
 6310040 8 W 12:10-2:00  
 MEETS: AUG 26-DEC 20  
 6310045 9 R 1:10-3:00  
 MEETS: AUG 26-DEC 20  
 6310050 10 F 12:10-2:00  
 MEETS: AUG 26-DEC 20  
 6310055 11 T 3:10-5:00  
 MEETS: AUG 26-DEC 20

## MECHANICAL ENGINEERING (CONTINUED)

SYST DYNAM & CONTROL M E 421 4 CREDITS  
 6310060 12 W 2:10-4:00  
 MEETS: AUG 26-DEC 20  
 6310065 13 R 3:10-5:00  
 MEETS: AUG 26-DEC 20

OPTMZ MTHD CPLX DSN M E 425 3 CREDITS  
 Prereq: M E 160, MATH 265  
 3549005 1 TR 2:10-3:25  
 MEETS: AUG 26-DEC 20

ALTERNATIVE ENERGY M E 433 3 CREDITS  
 Prereq: PHYS 221 OR PHYS 222, CHEM 167  
 7356005 1 MWF 11:00-11:50  
 MEETS: AUG 26-DEC 20

HEAT TRANSFER M E 436 4 CREDITS  
 Prereq: M E 335  
 Note: COURSE RESTRICTED TO M E, CON E, A E, BSE MAJORS.  
 2-PART COURSE. REGISTER FOR A LECTURE SEC  
 FIRST AND THEN A LAB SEC. STUDENTS WHO DON'T  
 REGISTER FOR BOTH LECTURE AND LAB SHOULD DROP THE R  
 COURSE DUE TO INCOMPLETE REGISTRATION.

5711001 A MWF 8:00-8:50  
 MEETS: AUG 26-DEC 20

5711002 B MWF 12:10-1:00  
 MEETS: AUG 26-DEC 20

5711003 C MWF 8:00-8:50  
 MEETS: AUG 26-DEC 20

5711005 1 T 8:00-9:50  
 MEETS: AUG 26-DEC 20

5711010 2 W 9:00-10:50  
 MEETS: AUG 26-DEC 20

5711015 3 R 8:00-9:50  
 MEETS: AUG 26-DEC 20

5711020 4 F 9:00-10:50  
 MEETS: AUG 26-DEC 20

5711025 5 T 11:00-12:50  
 MEETS: AUG 26-DEC 20

5711030 6 R 11:00-12:50  
 MEETS: AUG 26-DEC 20

5711035 7 T 2:10-4:00  
 MEETS: AUG 26-DEC 20

5711040 8 W 1:10-3:00  
 MEETS: AUG 26-DEC 20

5711045 9 R 2:10-4:00  
 MEETS: AUG 26-DEC 20

5711050 10 F 1:10-3:00  
 MEETS: AUG 26-DEC 20

FUND HEAT, VENT, AIR M E 441 3 CREDITS  
 Prereq: CREDIT OR ENROLLMENT IN M E 436  
 4892005 1 MWF 1:10-2:00  
 MEETS: AUG 26-DEC 20

INTRNL COMBUS ENGIN M E 449 3 CREDITS  
 Prereq: M E 335  
 Note: COURSE RESTRICTED TO M E MAJORS ONLY  
 4899005 1 MWF 3:10-4:00  
 M 4:10-5:00  
 MEETS: AUG 26-DEC 20  
 4899010 2 MWF 3:10-4:00  
 W 4:10-5:00  
 MEETS: AUG 26-DEC 20

MULTIDISC ENGR DSGN M E 466 3 CREDITS  
 Prereq: COURSE TO BE TAKEN WITHIN 2 SEMESTERS OF  
 GRADUATION, PERMISSION OF INSTRUCTOR  
 1903005 1 MWF 3:10-5:00  
 MEETS: AUG 26-DEC 20

TECH, GLOBALZ & CULTUR M E 484 3 CREDITS  
 Prereq: JUNIOR OR SENIOR CLASSIFICATION  
 Note: Meets international perspectives reqmt  
 6320005 1 T 6:00-7:30PM  
 W 6:00-7:30PM  
 MEETS: AUG 26-DEC 20

INDEP STUDY HONORS M E 490H 1- 6 CREDITS  
 Prereq: SR CLASSIFICATION, MEMBERSHIP IN HONORS PROG  
 Note: COURSE RESTRICTED TO STUDENTS IN THE UNIVERSITY  
 HONORS PROGRAM ONLY  
 \*\*\*\*\*  
 SEE DEPT FOR REFERENCE NUMBERS

IND STDY THERMODYN M E 490J 1- 6 CREDITS  
 Prereq: SENIOR CLASSIFICATION  
 \*\*\*\*\*  
 SEE DEPT FOR REFERENCE NUMBERS

INDEP STU NUCL ENGR M E 490M 1- 6 CREDITS  
 Prereq: SENIOR CLASSIFICATION  
 \*\*\*\*\*  
 SEE DEPT FOR REFERENCE NUMBERS

IND STU DSGN & OPTMIZ M E 490O 1- 6 CREDITS  
 Prereq: SENIOR CLASSIFICATION  
 \*\*\*\*\*  
 SEE DEPT FOR REFERENCE NUMBERS

## MECHANICAL ENGINEERING (CONTINUED)

IND STU MATRLS PROC M E 490Q 1- 6 CREDITS  
 \*\*\*\*\* Prereq: SENIOR CLASSIFICATION  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

IND STU THERMO-FLUI M E 490R 1- 6 CREDITS  
 \*\*\*\*\* Prereq: SENIOR CLASSIFICATION  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

IND STU EMERGI AREA M E 490S 1- 6 CREDITS  
 \*\*\*\*\* Prereq: SENIOR CLASSIFICATION  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

IND STDY LAB MAKEUP M E 490Z 1- 3 CREDITS  
 \*\*\*\*\* Prereq: DEPARTMENT PERMISSION  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

OPTMZ MTHD CPLX DSN M E 525 3 CREDITS  
 Prereq: ENGR 160, MATH 265  
 6935005 1 TR 2:10-3:25  
 MEETS: AUG 26-DEC 20

ADV THERMODYNAMICS M E 530 3 CREDITS  
 Prereq: M E 332  
 4928005 1 TR 11:00-12:20  
 MEETS: AUG 26-DEC 20

ADV ENERGY SYS&ANLY M E 531 3 CREDITS  
 Prereq: ANY UNDERGRAD THERMODYNAMICS COURSE;  
 MATHEMATICS THROUGH DIFFERENTIAL EQUATIONS  
 5398005 1 MWF 2:10-3:00  
 MEETS: AUG 26-DEC 20

ADVANCED FLUID FLOW M E 538 3 CREDITS  
 Prereq: CREDIT OR ENROLLMENT IN M E 436  
 4935005 1 MW 3:10-4:30  
 MEETS: AUG 26-DEC 20

FLUI MECH&HEAT TR I M E 546 3 CREDITS  
 Prereq: CREDIT OR ENROLLMENT IN M E 538 OR AER E  
 541  
 4939005 1 MWF 2:10-3:00 DURBIN P  
 MEETS: AUG 26-DEC 20

CPTR GRPHC&GEOM MOD M E 557 3 CREDITS  
 Prereq: M E 421, PROGRAMMING EXPERIENCE IN C  
 4889005 1 TR 2:10-3:30  
 MEETS: AUG 26-DEC 20

PHASE TRNSFM ELASTC M E 566 3 CREDITS  
 Prereq: E M 510 OR E M 516 OR E M 514  
 9774005 1 TR 10:00-11:50 LEVITAS V  
 MEETS: AUG 26-DEC 20

RANDOM SIGNAL&KALMN M E 573 3 CREDITS  
 Prereq: E E 324 OR AER E 331 OR M E 370 OR M E  
 411 OR MATH 341 OR MATH 395  
 8196005 1 MWF 12:10-1:00 SHERMAN P  
 MEETS: AUG 26-DEC 20

LINEAR SYSTEMS M E 577 3 CREDITS  
 Prereq: E E 324 OR AER E 331 OR M E 414 OR MATH  
 415; AND MATH 307  
 8199005 1 TR 2:10-3:30  
 MEETS: AUG 26-DEC 20

VIRTUAL ENVIRON&APP M E 580 3 CREDITS  
 Prereq: SENIOR OR GRADUATE STATUS  
 9419005 1 MW 1:10-2:25  
 MEETS: AUG 26-DEC 20

TECH,GLOBALZ&CULTUR M E 584 3 CREDITS  
 Prereq: GRADUATE CLASSIFICATION  
 Note: Meets international perspectives reqmt  
 6336005 1 T 6:00-7:30PM  
 W 6:00-7:30PM  
 MEETS: AUG 26-DEC 20

FUND PRED PLT PHNMC M E 585 4 CREDITS  
 Prereq: ACCEPTANCE INTO THE P3 PROGRAM OR  
 INSTRUCTOR PERMISSION  
 8295005 1 MWF 9:00-9:50  
 T 8:00-10:50  
 MEETS: AUG 26-DEC 20

SP TOP LIT INVESTIG M E 590Q 1- 8 CREDITS  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

SPL TP BIO&NANO SCI M E 590T 1- 8 CREDITS  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

SPL TP CMLPX FLU SY M E 590U 1- 8 CREDITS  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

SPL TOP CLEAN ENRGY M E 590V 1- 8 CREDITS  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

## MECHANICAL ENGINEERING (CONTINUED)

SPL TP DS&MFG INNOV M E 590W 1- 8 CREDITS  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

SPL TP SIMUL&VISULZ M E 590Z 1- 8 CREDITS  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

CREATIVE COMPONENT M E 599 VAR. CREDITS  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

SEMINAR M E 600 R CREDIT  
 4964005 1 ARRANGED  
 MEETS: AUG 26-DEC 20  
 Note: SEC 1 IS FOR FIRST YEAR STUDENTS

4964010 2 ARRANGED  
 MEETS: AUG 26-DEC 20  
 Note: SEC 2 IS FOR CONTINUING STUDENTS WHO HAVE  
 ALREADY COMPLETED THEIR FIRST YEAR

4964020 P3 ARRANGED  
 MEETS: AUG 26-DEC 20  
 Note: SEC P3 FOR STUDENTS ENROLLED IN P3 PROGRAM

ADV TOP ENGR COMPUT M E 690O VAR. CREDITS  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

ADV TOP LIT INVESTG M E 690Q VAR. CREDITS  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

ADV TOP BIOL&NANOSC M E 690T VAR. CREDITS  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

ADV TOP CPLX FLU SY M E 690U VAR. CREDITS  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

ADV TOP CL ENRGY TC M E 690V VAR. CREDITS  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

ADV TP DS&MFG INNOV M E 690W VAR. CREDITS  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

ADV TOP SIMU&VISUAL M E 690Z VAR. CREDITS  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

ENGINEER INTERNSHP M E 697 R CREDIT  
 Prereq: PERMISSION OF DIRECTOR OF GRADUATE  
 EDUCATION, GRAD CLASSIFICATION  
 Satisfactory-Fail Only.  
 8151005 1 ARRANGED  
 MEETS: AUG 26-DEC 20  
 Note: Department permission required.

RESEARCH M E 699 VAR. CREDITS  
 \*\*\*\*\* Satisfactory-Fail Only.  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

## METEOROLOGY

SEVERE&HZRD WEATHER MTEOR 107 1 CREDIT  
 9205005 1 TR 1:10-2:00  
 MEETS: OCT 21-DEC 20

SYNOPTIC APPLICATNS MTEOR 111 1 CREDIT  
 Prereq: CREDIT OR ENROLL IN MATH 165. ENROLLMENT  
 RESTRICTED TO MAJORS ONLY, OR INSTRUCTOR PERMISSION  
 Note: COURSE RESTRICTED TO MTEOR MAJORS. OTHERS BY  
 SIGNATURE OF THE METEOROLOGY DEPARTMENT ADVISING  
 STAFF.  
 5641005 1 T 12:10-1:00  
 MEETS: AUG 26-DEC 20  
 Section info: <http://www.meteor.iastate.edu/classes/mt111/index.html>  
 Syllabus: <http://www.meteor.iastate.edu/classes/mt111/index.html>

GEOSCIENCE ORIENT MTEOR 112 1 CREDIT  
 6630005 1 M 4:10-5:00  
 MEETS: AUG 26-DEC 20

INTRODUCTRY SEMINAR MTEOR 201 R CREDIT  
 Prereq: CREDIT OR ENROLLMENT IN PHYS 221  
 Satisfactory-Fail Only.  
 5374005 1 R 1:10-2:00  
 MEETS: AUG 26-DEC 20

INTRO WEATHER&CLIMT MTEOR 206 3 CREDITS  
 5375005 1 MWF 2:10-3:00  
 MEETS: AUG 26-DEC 20

COMPUTNL METEOROL I MTEOR 227 3 CREDITS  
 Prereq: CREDIT OR ENROLLMENT IN MTEOR 206;  
 CREDIT OR ENROLLMENT IN PHYS 221  
 8566005 1 MWF 10:00-10:50  
 MEETS: AUG 26-DEC 20

COOPERATIVE EDUCATN MTEOR 298 R CREDIT  
 Prereq: PERMISSION OF THE DEPT COOPERATIVE  
 EDUCATION COORDINATOR; SOPHOMORE CLASSIFICATION  
 4813005 1 ARRANGED  
 MEETS: AUG 26-DEC 20

## METEOROLOGY

(CONTINUED)

INTR SYNOPTIC MTEOR MTEOR 311 2 CREDITS  
Prereq: MTEOR 301  
5379005 1 M 11:00-11:50  
T 2:10-4:00  
F 11:00-11:50  
MEETS: AUG 26-DEC 20  
Section info: <http://www.meteor.iastate.edu/classes/mt311/>  
Syllabus: <http://www.meteor.iastate.edu/classes/mt311/>

METEOROL INTERNSHIP MTEOR 321 1- 2 CREDITS  
Prereq: MTEOR 311; JR OR SR STANDING; PERMISSION OF COOP PROGRAM COORD; ACCEPTANCE BY SPONSORING AGENCY Satisfactory-Fail Only.  
5381005 1 ARRANGED  
MEETS: AUG 26-DEC 20

ATMOSPH PHYSICS I MTEOR 341 3 CREDITS  
Prereq: PHYS 222, CREDIT OR ENROLLMENT IN MATH 266  
5382005 1 MWF 9:00-9:50  
MEETS: AUG 26-DEC 20

COOPERATIVE EDUCATN MTEOR 398 R CREDIT  
Prereq: PERMISSION OF THE DEPT COOPERATIVE EDUCATION COORDINATOR; JUNIOR CLASSIFICATION  
4823005 1 ARRANGED  
MEETS: AUG 26-DEC 20

WATERSHED HYDROLOGY MTEOR 402 3 CREDITS  
Prereq: FOUR COURSES IN PHYSICAL OR BIOLOGICAL SCIENCES OR ENGINEERING; JUNIOR STANDING  
3442005 1 MW 11:00-11:50 FRANZ K  
R 3:10-6:00PM FRANZ K  
MEETS: AUG 26-DEC 20

SYNOPTIC METEOROLGY MTEOR 411 3 CREDITS  
Prereq: MTEOR 311, CREDIT OR ENROLLMENT IN 454  
5387005 1 W 1:10-2:00  
MWF 2:10-2:30  
R 9:00-11:50  
MEETS: AUG 26-DEC 20

RADAR APPS METEORLG MTEOR 435 3 CREDITS  
Prereq: CREDIT OR ENROLLMENT IN MTEOR 341  
4711005 1 TR 12:40-2:00  
MEETS: AUG 26-DEC 20

DYNAMIC METEOROL II MTEOR 454 3 CREDITS  
Prereq: MTEOR 443  
5386005 1 MWF 3:10-4:00  
MEETS: AUG 26-DEC 20

SURV REMOTE SNS TEC MTEOR 489 3 CREDITS  
Prereq: FOUR COURSES IN PHYSICAL OR BIOLOGICAL SCIENCES OR ENGINEERING  
Note: THE ARRANGED TIME REPRESENTS WWW LECTURE DELIVERY  
9748005 1 MW 10:00-10:50  
ARRANGED  
MEETS: AUG 26-DEC 20

SATELL RMT SENS LAB MTEOR 489L 1 CREDIT  
Prereq: CREDIT OR ENROLLMENT IN MTEOR 489 OR MTEOR 589 OR GEOL 489 OR GEOL 589 OR NREM 489 OR NREM 589 OR E E 489 OR E E 589  
5208005 1 T 9:00-11:50  
MEETS: AUG 26-DEC 20

IND STUDY SYNOPTIC MTEOR 490A 1- 3 CREDITS  
Prereq: 6 CREDITS IN MTEOR, INSTRUCTR PERMISSION  
Note: NO MORE THAN 9 CREDITS IN MTEOR 490 MAY BE APPLIED TOWARD GRADUATION  
8424005 1 ARRANGED  
MEETS: AUG 26-DEC 20

INDEP STUDY DYNAMIC MTEOR 490B 1- 3 CREDITS  
Prereq: 6 CREDITS IN MTEOR, INSTRUCTR PERMISSION  
Note: NO MORE THAN 9 CREDITS IN MTEOR 490 MAY BE APPLIED TOWARD GRADUATION  
8425005 1 ARRANGED  
MEETS: AUG 26-DEC 20

IND STUDY PHYSICAL MTEOR 490C 1- 3 CREDITS  
Prereq: 6 CREDITS IN MTEOR, INSTRUCTR PERMISSION  
Note: NO MORE THAN 9 CREDITS IN MTEOR 490 MAY BE APPLIED TOWARD GRADUATION  
8426005 1 ARRANGED  
MEETS: AUG 26-DEC 20

IND STU INSTRUMENTN MTEOR 490D 1- 3 CREDITS  
Prereq: 6 CREDITS IN MTEOR, INSTRUCTOR PERMISSION  
Note: NO MORE THAN 9 CREDITS IN MTEOR 490 MAY BE APPLIED TOWARD GRADUATION  
1010005 1 ARRANGED  
MEETS: AUG 26-DEC 20

## METEOROLOGY

(CONTINUED)

IND STUDY HYDROLOGY MTEOR 490E 1- 3 CREDITS  
Prereq: 6 CREDITS IN MTEOR, INSTRUCTR PERMISSION  
Note: NO MORE THAN 9 CREDITS IN MTEOR 490 MAY BE APPLIED TOWARD GRADUATION  
8668005 1 ARRANGED  
MEETS: AUG 26-DEC 20

COOPERATIVE EDUCATN MTEOR 498 R CREDIT  
Prereq: PERMISSION OF THE DEPT COOPERATIVE EDUCATION COORDINATOR; SENIOR CLASSIFICATION  
4824005 1 ARRANGED  
MEETS: AUG 26-DEC 20

SENIOR RESEARCH MTEOR 499 2 CREDITS  
5392005 1 T 4:10-5:00  
W 4:10-5:00  
MEETS: AUG 26-DEC 20

WATERSHED HYDROLOGY MTEOR 502 3 CREDITS  
Prereq: FOUR COURSES IN PHYSICAL OR BIOLOGICAL SCIENCES OR ENGINEERING; JUNIOR STANDING  
6290005 1 MW 11:00-11:50 FRANZ K  
R 3:10-6:00PM FRANZ K  
MEETS: AUG 26-DEC 20

SYNOPTIC METEOROLGY MTEOR 511 3 CREDITS  
Prereq: MTEOR 311, CREDIT OR ENROLLMENT IN MTEOR 454  
4575005 1 W 1:10-2:00  
MWF 2:10-2:30  
R 9:00-11:50  
MEETS: AUG 26-DEC 20

RADAR APPS METEORLG MTEOR 535X 3 CREDITS  
0188005 1 TR 12:40-2:00  
MEETS: AUG 26-DEC 20

PHYSICAL METEOROLGY MTEOR 542 3 CREDITS  
Prereq: MTEOR 342, MATH 266, PHYS 222  
5395005 1 MWF 2:10-3:00  
MEETS: AUG 26-DEC 20

SURV REMOTE SNS TEC MTEOR 589 3 CREDITS  
Prereq: FOUR COURSES IN PHYSICAL OR BIOLOGICAL SCIENCES OR ENGINEERING  
Note: THE ARRANGED TIME REPRESENTS WWW LECTURE DELIVERY  
9750005 1 MW 10:00-10:50  
ARRANGED  
MEETS: AUG 26-DEC 20

SATELL RMT SENS LAB MTEOR 589L 1 CREDIT  
Prereq: CREDIT OR ENROLLMENT IN MTEOR 489 OR MTEOR 589 OR GEOL 489 OR GEOL 589 OR NREM 489 OR NREM 589 OR E E 489 OR E E 589  
5628005 1 T 9:00-11:50  
MEETS: AUG 26-DEC 20

SPL TOP BOUND-LAYER MTEOR 590A 1- 3 CREDITS  
Prereq: PERMISSION OF INSTRUCTOR  
8427005 1 ARRANGED  
MEETS: AUG 26-DEC 20

SPL TOPICS TROPICAL MTEOR 590B 1- 3 CREDITS  
Prereq: PERMISSION OF INSTRUCTOR  
8429005 1 ARRANGED  
MEETS: AUG 26-DEC 20

SPL TOPCS MESOSCALE MTEOR 590C 1- 3 CREDITS  
Prereq: PERMISSION OF INSTRUCTOR  
8430005 1 ARRANGED  
MEETS: AUG 26-DEC 20

SPL TOP GLOBAL SYST MTEOR 590D 1- 3 CREDITS  
Prereq: PERMISSION OF INSTRUCTOR  
8431005 1 R 4:10-5:00  
MEETS: AUG 26-DEC 20

SPL TOPC CLIM MODEL MTEOR 590E 1- 3 CREDITS  
Prereq: PERMISSION OF INSTRUCTOR Satisfactory-Fail Only.  
8432005 1 ARRANGED  
MEETS: AUG 26-DEC 20

SPL TOP NUMERI PRED MTEOR 590F 1- 3 CREDITS  
Prereq: PERMISSION OF INSTRUCTOR  
8433005 1 ARRANGED  
MEETS: AUG 26-DEC 20

SPL TOP SATEL OBSRV MTEOR 590G 1- 3 CREDITS  
Prereq: PERMISSION OF INSTRUCTOR  
8434005 1 ARRANGED  
MEETS: AUG 26-DEC 20

SPL TOP STAT METHDS MTEOR 590H 1- 3 CREDITS  
Prereq: PERMISSION OF INSTRUCTOR  
8435005 1 ARRANGED  
MEETS: AUG 26-DEC 20

## METEOROLOGY (CONTINUED)

SPL TOP FIELD OBSRV MTEOR 590I 1- 3 CREDITS  
Prereq: PERMISSION OF INSTRUCTOR  
8437005 1 ARRANGED  
MEETS: AUG 26-DEC 20

SPL TOP LOW FREQ MD MTEOR 590J 1- 3 CREDITS  
Prereq: PERMISSION OF INSTRUCTOR  
1230005 1 ARRANGED  
MEETS: AUG 26-DEC 20

SPL TOPC CLOUD PHYS MTEOR 590K 1- 3 CREDITS  
Prereq: PERMISSION OF INSTRUCTOR  
3901005 1 ARRANGED  
MEETS: AUG 26-DEC 20

SPL TOP ATMOS RADIA MTEOR 590L 1- 3 CREDITS  
Prereq: PERMISSION OF INSTRUCTOR  
3904005 1 ARRANGED  
MEETS: AUG 26-DEC 20

SPL TOPCS HYDROLOGY MTEOR 590M 1- 3 CREDITS  
Prereq: PERMISSION OF INSTRUCTOR  
8669005 1 ARRANGED  
MEETS: AUG 26-DEC 20

SP TOP GEOPH FLU DY MTEOR 590N 1- 3 CREDITS  
Prereq: PERMISSION OF INSTRUCTOR  
9186005 1 ARRANGED  
MEETS: AUG 26-DEC 20

SPL TP RADAR MTEORL MTEOR 590O 1- 3 CREDITS  
Prereq: PERMISSION OF INSTRUCTOR  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

GRADUATE SEMINAR MTEOR 595B R CREDIT  
Prereq: SENIOR OR GRADUATE CLASSIFICATION  
Satisfactory-Fail Only.  
3599005 1 T 4:10-5:30  
MEETS: AUG 26-DEC 20

BOUNDRY LAYER MTEOR MTEOR 605 3 CREDITS  
Prereq: MTEOR 443 OR EQUIVALENT-LEVEL COURSE IN  
ENGINEERING FLUIDS  
5402005 1 TR 12:40-2:00  
MEETS: AUG 26-DEC 20

RESEARCH MTEOR 699 VAR. CREDITS  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

## MICROBIOLOGY

MICROBIAL WORLD MICRO 101 3 CREDITS  
Prereq: HIGH SCHOOL BIOLOGY OR EQUIVALENT  
9323005 1 MWF 9:00-9:50  
MEETS: AUG 26-DEC 20

PRO&ED PREP MICROBI MICRO 110 1 CREDIT  
Satisfactory-Fail Only.  
8683005 1 R 2:10-3:00  
MEETS: AUG 26-DEC 20  
8683010 2 ARRANGED  
MEETS: AUG 26-DEC 20  
Note: Instructor permission required.

PHAGE DISCOVERY LAB MICRO 115X 2 CREDITS  
0172005 1 MW 11:00-12:20  
MEETS: AUG 26-DEC 20

INTRO MICROBIOLOGY MICRO 201 2 CREDITS  
Prereq: ONE SEMESTER OF COLLEGE-LEVEL BIOLOGY  
5305005 1 MW 2:10-3:00  
MEETS: AUG 26-DEC 20

INTRO MICROBIOL LAB MICRO 201L 1 CREDIT  
Prereq: CREDIT OR ENROLLMENT IN MICRO 201 OR  
MICRO 302  
Note: CREDIT FOR EITHER MICRO 201L OR MICRO 302L,  
BUT NOT BOTH, MAY BE APPLIED TOWARD GRADUATION  
1433005 1 MW 3:10-4:30  
MEETS: AUG 26-DEC 20  
1433010 2 TR 8:00-9:20  
MEETS: AUG 26-DEC 20  
1433015 3 TR 9:30-10:50  
MEETS: AUG 26-DEC 20  
1433020 4 TR 11:00-12:20  
MEETS: AUG 26-DEC 20  
1433025 5 TR 12:40-2:00  
MEETS: AUG 26-DEC 20  
1433030 6 TR 2:10-3:30  
MEETS: AUG 26-DEC 20  
1433035 7 TR 3:40-5:00  
MEETS: AUG 26-DEC 20

BIOL MICROORGANISMS MICRO 302 3 CREDITS  
Prereq: BIOL 211, CREDIT OR ENROLLMT IN BIOL 212;  
ONE SEMESTER OF CHEMISTRY  
1426005 1 MWF 10:00-10:50  
MEETS: AUG 26-DEC 20

## MICROBIOLOGY (CONTINUED)

MICROBIOLOGY LAB MICRO 302L 1 CREDIT  
Prereq: CREDIT OR ENROLLMENT IN MICRO 302  
Note: CREDIT FOR EITHER MICRO 201L OR MICRO 302L,  
BUT NOT BOTH, MAY BE APPLIED TOWARD GRADUATION  
3024005 1 MW 8:30-9:50  
MEETS: AUG 26-DEC 20  
3024010 2 MW 11:00-12:20  
MEETS: AUG 26-DEC 20  
3024015 3 TR 9:30-10:50  
MEETS: AUG 26-DEC 20  
3024020 4 TR 11:00-12:20  
MEETS: AUG 26-DEC 20

MEDICAL MICROBIOLGY MICRO 310 3 CREDITS  
Prereq: MICRO 302 (OR MICRO 201 IF A B OR BETTER  
WAS OBTAINED)  
5307005 1 MWF 9:00-9:50  
MEETS: AUG 26-DEC 20

MEDICL MICROBIO LAB MICRO 310L 1 CREDIT  
Prereq: MICRO 201 OR MICRO 302; MICRO 201L OR  
MICRO 302L; CREDIT OR ENROLLMENT IN MICRO 310  
3025005 1 MW 1:10-2:30  
MEETS: AUG 26-DEC 20  
Note: SEC 1 RESTRICTED TO MICR, MICRO MAJORS ONLY  
3025010 2 MW 1:10-2:30  
MEETS: AUG 26-DEC 20  
3025015 3 MW 2:40-4:00  
MEETS: AUG 26-DEC 20  
3025020 4 MW 2:40-4:00  
MEETS: AUG 26-DEC 20  
Note: SEC 4 RESTRICTED TO MICRO MAJORS ONLY

GLOBAL HEALTH MICRO 360X 3 CREDITS  
Prereq: BIOL 211  
Note: Meets international perspectives reqmt  
0098005 1 TR 4:10-5:25  
MEETS: AUG 26-DEC 20

VIROLOGY MICRO 408 3 CREDITS  
Prereq: BIOL 313 OR BBMB 301; RECOMMEND BIOL 314  
5314005 1 MWF 2:10-3:00  
MEETS: AUG 26-DEC 20

FOOD MICROBIOLOGY MICRO 420 3 CREDITS  
Prereq: MICRO 201 OR MICRO 302  
5315005 1 MWF 10:00-10:50  
MEETS: AUG 26-DEC 20

LAB MICR PHYSL,DVRS MICRO 440 4 CREDITS  
Prereq: MICRO 302, MICRO 302L, CHEM 332, BIOL  
313L  
Note: COURSE RESTRICTED TO MICR MAJORS ONLY  
6135005 1 TR 1:10-5:00  
MEETS: AUG 26-DEC 20

SURVEY IN MICROBIOL MICRO 451 R CREDIT  
Prereq: JR OR SR STANDING IN MICROBIOLOGY  
Satisfactory-Fail Only.  
7214005 1 T 11:00-11:50  
MEETS: AUG 26-DEC 20

PRINCIP OF MYCOLOGY MICRO 456 3 CREDITS  
Prereq: 10 CREDITS IN BIOLOGICAL SCIENCES  
7203005 1 MW 11:00-11:50  
W 3:10-6:00PM  
MEETS: AUG 26-DEC 20  
7203010 2 MW 11:00-11:50  
F 12:10-3:00  
MEETS: AUG 26-DEC 20

MICROBIAL ECOLOGY MICRO 487 3 CREDITS  
Prereq: 6 CREDITS IN BIOLOGY AND 6 CR IN CHEM  
3849005 1 MWF 9:00-9:50  
MEETS: AUG 26-DEC 20

INDEP STU:LAB RSRCH MICRO 490A VAR. CREDITS  
Prereq: A MINIMUM OF 6 CREDITS OF 300-LEVEL  
OR ABOVE COURSEWORK IN MICROBIOLOGY, PERMISSION  
OF INSTRUCTOR  
Note: NO MORE THAN 6 CREDITS OF MICRO 490 MAY BE  
APPLIED TOWARD THE TOTAL OF 128 CREDITS REQUIRED  
FOR GRADUATION  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

INDEP STU:LIT RVIEW MICRO 490B VAR. CREDITS  
Prereq: A MINIMUM OF 6 CREDITS OF 300-LEVEL  
OR ABOVE COURSE WORK IN MICROBIOLOGY, PERMISSION  
OF INSTRUCTOR  
Note: NO MORE THAN 6 CREDITS OF MICRO 490 MAY BE  
APPLIED TOWARD THE TOTAL OF 128 CREDITS REQUIRED  
FOR GRADUATION  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

INDP STU:INSTR ASST MICRO 490C VAR. CREDITS  
Prereq: A MINIMUM OF 6 CREDITS OF 300-LEVEL  
OR ABOVE COURSEWORK IN MICROBIOLOGY, PERMISSION  
OF INSTRUCTOR  
Note: NO MORE THAN 6 CREDITS OF MICRO 490 MAY BE  
APPLIED TOWARD THE TOTAL OF 128 CREDITS REQUIRED  
FOR GRADUATION  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

## MICROBIOLOGY

(CONTINUED)

INDEP STUDY:GENERAL MICRO 490G VAR. CREDITS  
Prereq: A MINIMUM OF 6 CREDITS OF 300-LEVEL  
OR ABOVE COURSEWORK IN MICROBIOLOGY, PERMISSION  
OF INSTRUCTOR  
Note: NO MORE THAN 6 CREDITS OF MICRO 490 MAY BE  
APPLIED TOWARD THE TOTAL OF 128 CREDITS REQUIRED  
FOR GRADUATION  
Instructor permission required 1st week.  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

HONORS INDEP STUDY MICRO 490H 1- 5 CREDITS  
Prereq: A MINIMUM OF 6 CR OF 300-LEVEL OR ABOVE  
COURSEWORK IN MICRO, INSTR PERMISSION, MEMBERSHIP IN  
UNIV HONORS PROGRAM  
Note: NO MORE THAN 6 CREDITS OF MICRO 490 MAY BE  
USED TOWARD THE TOTAL OF 128 CREDITS REQUIRED FOR  
GRADUATION. RESTRICTED TO STUDENTS IN THE UNIVERSITY  
HONORS PROGRAM ONLY.  
Instructor permission required 1st week.  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

INTERNSHIP MICRO 495 1- 2 CREDITS  
Prereq: AT LEAST 6 CREDITS OF 300-LEVEL OR ABOVE  
COURSEWORK IN MICRO, APPROVAL OF ACADEMIC ADVISOR  
Satisfactory-Fail Only.  
9679005 1 ARRANGED  
MEETS: AUG 26-DEC 20

GUT MICROBIOME:HLTH MICRO 517 3 CREDITS  
Prereq: BASIC KNOWLEDGE IN MICROBIOLOGY  
7736005 1 TR 9:30-10:50  
MEETS: AUG 26-DEC 20

MICROB DIVRS&PHYLOG MICRO 551 1 CREDIT  
Prereq: MICRO 302, BIOL 301  
7016005 1 MWF 10:00-10:50  
MEETS: AUG 26-SEPT 27

BACT MOLE GEN&PHYSL MICRO 552 1 CREDIT  
Prereq: MICRO 302, BIOL 313  
7024005 1 MWF 10:00-10:50  
MEETS: SEPT 30-NOV 1

PATHOGENIC MICROORG MICRO 553 1 CREDIT  
Prereq: MICRO 302, BIOL 313  
7078005 1 MWF 9:00-9:50  
MEETS: NOV 4-DEC 13

MEDICL BACTERIOLOGY MICRO 586 4 CREDITS  
Prereq: MICRO 310  
6947005 1 MWF 9:00-9:50  
ARRANGED  
MEETS: AUG 26-DEC 20

MICROBIAL ECOLOGY MICRO 587 3 CREDITS  
Prereq: 6 CREDITS IN BIOL AND 6 CREDITS IN CHEM  
6759005 1 MWF 9:00-9:50  
MEETS: AUG 26-DEC 20

SPECIAL TOPICS MICRO 590 1- 5 CREDITS  
Prereq: PERMISSION OF INSTRUCTOR  
Note: Instructor permission required 1st week.  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

SEMINAR MICRO 604 1 CREDIT  
Satisfactory-Fail Only.  
6962005 1 R 2:10-3:00  
MEETS: AUG 26-DEC 20

MOLECULAR VIROLOGY MICRO 608 3 CREDITS  
Prereq: BBMB 405 OR GDCE 511  
3854005 1 ARRANGED  
MEETS: AUG 26-DEC 20

RAPID MTH FD MICROB MICRO 627 2 CREDITS  
Prereq: FS HN 420 OR FS HN 421 OR FS HN 504  
8835005 1 TR 2:10-3:00  
MEETS: AUG 26-DEC 20

CURR TOPIC MICROBIO MICRO 690A 1- 3 CREDITS  
Prereq: PERMISSION OF INSTRUCTOR  
Note: Instructor permission required 1st week.  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

MOL BIO PLT PATHOGEN MICRO 692 3 CREDITS  
Prereq: PL P 506 OR BBMB 405 OR GEN 411 OR  
MICRO 402 OR STRONG BACKGROUND IN MOLECULAR BIOLOGY  
6989005 1 ARRANGED  
MEETS: AUG 26-DEC 20

GRAD RESEARCH ROTAT MICRO 697 VAR. CREDITS  
7161005 1 ARRANGED  
MEETS: AUG 26-DEC 20

SEMNL MOLEC,DV BIO MICRO 698 1- 2 CREDITS  
Note: COURSE ONLY OFFERED FOR 1 CREDIT FALL 2019  
5350005 1 M 3:10-5:00  
MEETS: AUG 26-DEC 20  
Note: SEC 1 WILL NOT MEET EVERY WEEK. MEETING  
DATES TO BE ANNOUNCED.

## MICROBIOLOGY

(CONTINUED)

RESEARCH MICRO 699 VAR. CREDITS  
Prereq: Instructor permission required 1st week.  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

## MILITARY SCIENCE

INTRO MILITARY SCI M S 101 1 CREDIT  
Prereq: CONCURRENT ENROLLMNT IN M S 101L REQUIRED  
Note: CONCURRENT ENROLLMENT IN M S 101L REQUIRED  
4993005 1 T 12:40-1:30 LAURITZEN N  
MEETS: AUG 26-DEC 20  
4993010 2 W 10:00-10:50 LAURITZEN N  
MEETS: AUG 26-DEC 20

BASC LEADRSH LAB I M S 101L 1 CREDIT  
Prereq: CONCURRENT ENROLLMENT IN M S 101 REQUIRED  
Note: CONCURRENT ENROLLMENT IN M S 101 REQUIRED  
4994005 1 W 4:10-6:00PM LAURITZEN N  
ARRANGED  
MEETS: AUG 26-DEC 20

ARMY PHY READINESS M S 150 1 CREDIT  
8414005 1 MTF 6:00-7:15 LUDEMA N  
MEETS: AUG 26-DEC 20

PRIN OF LEADERSHIP M S 201 2 CREDITS  
Prereq: CONCURRENT ENROLLMNT IN M S 201L REQUIRED  
Note: CONCURRENT ENROLLMENT IN M S 201L REQUIRED  
4997005 1 MW 9:00-9:50 LUDEMA N  
MEETS: AUG 26-DEC 20  
4997010 2 MW 11:00-11:50 LUDEMA N  
MEETS: AUG 26-DEC 20

BASC LEADRS LAB III M S 201L 1 CREDIT  
Prereq: CONCURRENT ENROLLMENT IN M S 201 REQUIRED  
Note: CONCURRENT ENROLLMENT IN M S 201 REQUIRED  
4998005 1 W 4:10-6:00PM LUDEMA N  
ARRANGED  
MEETS: AUG 26-DEC 20

ADV PHY READINESS I M S 250 2 CREDITS  
Prereq: SUCCESSFULLY COMPLETE M S 150, PERMISSION  
OF THE DEPARTMENT CHAIR  
6398005 1 MTRF 6:00-7:15 MYTIDES J  
MEETS: AUG 26-DEC 20  
Note: Permission of department chair required.

IND STDY:BASIC MILI M S 290 1- 3 CREDITS  
Prereq: PERMISSION OF THE M S DEPT CHAIR  
8153005 1 ARRANGED LUDEMA N  
MEETS: AUG 26-DEC 20  
Note: Instructor permission required.

MTHD INSTR MIL SKIL M S 301 3 CREDITS  
Prereq: COMPLETION OF THE BASIC M S PROGRAM,  
CONCURRENT ENROLLMENT IN M S 301L, AND PERMISSION OF  
DEPARTMENT CHAIR OF MILITARY SCIENCE  
Note: Department permission required.  
5004005 1 TR 9:30-10:50 MYTIDES J  
MEETS: AUG 26-DEC 20  
5004010 2 TR 11:00-12:20 MYTIDES J  
MEETS: AUG 26-DEC 20

ADV LEADERSHP LAB I M S 301L 1 CREDIT  
Prereq: COMPLETION OF THE BASIC PROGRAM,  
CONCURRENT ENROLLMENT IN M S 301 AND PERMISSION OF  
DEPARTMENT CHAIR OF MILITARY SCIENCE  
Note: Permission of department chair required.  
5003005 1 W 4:10-6:00PM  
ARRANGED  
MEETS: AUG 26-DEC 20

SEMNR:MILITARY TEAM M S 401 3 CREDITS  
Prereq: COMPLETION OF THE BASIC PROGRAM,  
CONCURRENT ENROLLMENT IN M S 401L AND PERMISSION OF  
THE DEPARTMENT CHAIR OF MILITARY SCIENCE  
Note: Permission of department chair required.  
5007005 1 ARRANGED DIAL E  
MEETS: AUG 26-DEC 20  
5007010 2 ARRANGED DIAL E  
MEETS: AUG 26-DEC 20

ADV LEADRSH LAB III M S 401L 1 CREDIT  
Prereq: COMPLETION OF THE BASIC PROGRAM,  
CONCURRENT ENROLLMENT IN M S 401 AND PERMISSION OF  
THE MILITARY SCIENCE DEPARTMENT CHAIR  
Note: Permission of department chair required.  
5008005 1 W 4:10-6:00PM DIAL E  
ARRANGED  
MEETS: AUG 26-DEC 20

IND STDY:ADV MIL ST M S 490 1 CREDIT  
Prereq: M S 301, M S 302, M S 401, M S 402,  
PERMISSION OF THE MILITARY SCIENCE DEPARTMENT CHAIR  
9598005 1 ARRANGED DIAL E  
MEETS: AUG 26-DEC 20

## MOLECULAR CELLULAR DEV BIOLOGY

## MUSIC

(CONTINUED)

ADVNC S DEVELTL B IOL MCDB 533 3 CREDITS  
 Prereq: BIOL 314  
 4592005 1 TR 2:10-3:30  
 MEETS: AUG 26-DEC 20

PLANT MOLEC&DEV B IOL MCDB 545 3 CREDITS  
 Prereq: BIOL 314, BIOL 330  
 5257005 1 TR 9:30-10:50  
 MEETS: AUG 26-DEC 20

SPECIAL TOPICS MCDB 590 VAR. CREDITS  
 5260005 1 ARRANGED  
 MEETS: AUG 26-DEC 20

GRAD RESRCH ROTATN MCDB 697 1- 6 CREDITS  
 Satisfactory-Fail Only.  
 7278005 1 ARRANGED  
 MEETS: AUG 26-DEC 20

SEM N MOLEC,C,DV B IOL MCDB 698 1- 2 CREDITS  
 Note: COURSE ONLY OFFERED FOR 1 CREDIT FALL 2019  
 5275005 1 M 3:10-5:00  
 MEETS: AUG 26-DEC 20  
 Note: SEC 1 WILL NOT MEET EVERY WEEK. MEETING  
 DATES TO BE ANNOUNCED.

RESEARCH MCDB 699 VAR. CREDITS  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

## MUSIC

FUNDAMNTLS OF MUSIC MUSIC 101 2 CREDITS  
 Prereq: ABILITY TO READ ELEM MUSICAL NOTATION  
 Note: CREDIT IN ONLY ONE OF THE FOLLOWING  
 COURSES MAY BE APPLIED TOWARD GRADUATION:  
 MUSIC 101, MUSIC 105, MUSIC 201X  
 7180005 1 MWF 9:00-9:50  
 MEETS: AUG 26-DEC 20  
 7180010 2 MWF 3:10-4:00  
 MEETS: AUG 26-DEC 20

INTRO MUSIC LISTENI MUSIC 102 3 CREDITS  
 Note: Meets international perspectives reqmt  
 5406005 1 MWF 9:00-9:50  
 MEETS: AUG 26-DEC 20  
 5406010 2 MWF 10:00-10:50  
 MEETS: AUG 26-DEC 20

WIND ENSEMBLE MUSIC 111 1 CREDIT  
 Prereq: OPEN TO ALL STUDENTS BY AUDITION  
 Note: ADDITIONAL EXPENSES MAY APPLY  
 5408005 1 MWRF 12:10-1:00  
 MEETS: AUG 26-DEC 20

CONCERT BAND MUSIC 112 1 CREDIT  
 Prereq: OPEN TO ALL STUDENTS WHO PERFORMED ON A  
 WIND OR PERCUSSION INSTRUMENT IN HS BAND OR ORCHESTRA  
 Note: ADDITIONAL EXPENSES MAY APPLY  
 5409005 1 TR 9:30-10:50  
 MEETS: AUG 26-DEC 20

JAZZ ENSEMBLE MUSIC 113 1 CREDIT  
 Prereq: OPEN TO ALL STUDENTS BY AUDITION  
 Note: ADDITIONAL EXPENSES MAY APPLY  
 5410005 1 TR 2:10-3:40  
 MEETS: AUG 26-DEC 20  
 5410010 2 MW 3:10-4:40  
 MEETS: AUG 26-DEC 20

MARCHING BAND MUSIC 114A 1 CREDIT  
 Note: ADDITIONAL EXPENSES MAY APPLY. STUDENTS  
 MAY NOT BE CONCURRENTLY ENROLLED IN MUSIC 114C.  
 5411005 1 MTWRF 5:10-6:30PM  
 S 10:00-11:50  
 MEETS: AUG 26-DEC 20

PEP BAND FOR SOCC&W MUSIC 114C 1 CREDIT  
 Prereq: STUDENTS SELECTED BY AUDITION  
 9818005 1 TR 5:10-6:30PM  
 MEETS: AUG 26-DEC 20

SYMPHONIC BAND MUSIC 115 1 CREDIT  
 Prereq: OPEN TO ALL STUDENTS BY AUDITION  
 Note: ADDITIONAL EXPENSES MAY APPLY  
 9610005 1 MWF 11:00-11:50  
 MEETS: AUG 26-DEC 20

APPLIED MUSIC VOICE MUSIC 118A 1- 2 CREDITS  
 Prereq: AUDITION, PERMISSION OF INSTRUCTOR  
 Note: CREDIT IN MUSIC 118A WILL NOT SATISFY APPLIED  
 MUSIC REQUIREMENTS FOR MUSIC MAJORS  
 APPLIED MUSIC FEE \$150.00-\$190.00  
 Applied Music fee \$150.00-\$190.00  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

APPLIED MUSIC PIANO MUSIC 118B 1- 2 CREDITS  
 Prereq: AUDITION, PERMISSION OF INSTRUCTOR  
 Note: CREDIT IN MUSIC 118B WILL NOT SATISFY APPLIED  
 MUSIC REQUIREMENTS FOR MUSIC MAJORS  
 APPLIED MUSIC FEE \$150.00-\$190.00  
 Applied Music fee \$150.00-\$190.00  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

APPLIED MUSIC ORGAN MUSIC 118C 1- 2 CREDITS  
 Prereq: AUDITION, PERMISSION OF INSTRUCTOR  
 Note: Applied Music fee \$150.00-\$190.00  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

APPLD MUSIC STRINGS MUSIC 118D 1- 2 CREDITS  
 Prereq: AUDITION, PERMISSION OF INSTRUCTOR  
 Note: Applied Music fee \$150.00-\$190.00  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

APPL MUSIC CARILLON MUSIC 118E 1- 2 CREDITS  
 Prereq: AUDITION, PERMISSION OF INSTRUCTOR  
 Note: Applied Music fee \$150.00-\$190.00  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

APPL MUSIC WOODWIND MUSIC 118F 1- 2 CREDITS  
 Prereq: AUDITION, PERMISSION OF INSTRUCTOR  
 Note: Applied Music fee \$150.00-\$190.00  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

APPLIED MUSIC BRASS MUSIC 118G 1- 2 CREDITS  
 Prereq: AUDITION, PERMISSION OF INSTRUCTOR  
 Note: CREDIT IN MUSIC 118G WILL NOT SATISFY APPLIED  
 MUSIC REQUIREMENTS FOR MUSIC MAJORS  
 APPLIED MUSIC FEE \$150.00-\$190.00  
 Applied Music fee \$150.00-\$190.00  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

APPLD MUSIC PERCUSS MUSIC 118I 1- 2 CREDITS  
 Prereq: AUDITION, PERMISSION OF INSTRUCTOR  
 Note: CREDIT IN MUSIC 118I WILL NOT SATISFY APPLIED  
 MUSIC REQUIREMENTS FOR MUSIC MAJORS  
 APPLIED MUSIC FEE \$150.00-\$190.00  
 Applied Music fee \$150.00-\$190.00  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

APPLIED MUSIC VOICE MUSIC 119A 1- 3 CREDITS  
 Prereq: AUDITION, INSTR PERMSN, MUSIC MAJORS ONLY  
 Note: Applied Music fee \$150.00-\$190.00  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

APPLIED MUSIC PIANO MUSIC 119B 1- 3 CREDITS  
 Prereq: AUDITION, INSTR PERMSN, MUSIC MAJORS ONLY  
 Note: Applied Music fee \$150.00-\$190.00  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

APPLIED MUSIC ORGAN MUSIC 119C 1- 3 CREDITS  
 Prereq: AUDITION, INSTR PERMSN, MUSIC MAJORS ONLY  
 Note: Applied Music fee \$150.00-\$190.00  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

APPLD MUSIC STRINGS MUSIC 119D 1- 3 CREDITS  
 Prereq: AUDITION, INSTR PERMSN, MUSIC MAJORS ONLY  
 Note: Applied Music fee \$150.00-\$190.00  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

APPL MUSIC CARILLON MUSIC 119E 1- 3 CREDITS  
 Prereq: AUDITION, INSTR PERMSN, MUSIC MAJORS ONLY  
 Note: Applied Music fee \$150.00-\$190.00  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

APPL MUSIC WOODWIND MUSIC 119F 1- 3 CREDITS  
 Prereq: AUDITION, INSTR PERMSN, MUSIC MAJORS ONLY  
 Note: Applied Music fee \$150.00-\$190.00  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

APPLIED MUSIC BRASS MUSIC 119G 1- 3 CREDITS  
 Prereq: AUDITION, INSTR PERMSN, MUSIC MAJORS ONLY  
 Note: Applied Music fee \$150.00-\$190.00  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

APPLD MUSIC PERCUSS MUSIC 119I 1- 3 CREDITS  
 Prereq: AUDITION, INSTR PERMSN, MUSIC MAJORS ONLY  
 Note: Applied Music fee \$150.00-\$190.00  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

CLASS STUDY PIANO I MUSIC 127 1 CREDIT  
 Prereq: MUSIC MAJOR STATUS OR PERMISSION OF  
 INSTRUCTOR  
 Note: COURSE RESTRICTED TO MU BA, MU BM MAJORS ONLY.  
 OTHER QUALIFIED STUDENTS MUST SEEK PERMISSION OF  
 THE INSTRUCTOR.  
 5432005 1 TR 11:00-11:50  
 MEETS: AUG 26-DEC 20  
 5432010 2 TR 10:00-10:50  
 MEETS: AUG 26-DEC 20  
 5432015 3 MW 9:00-9:50  
 MEETS: AUG 26-DEC 20



MUSIC (CONTINUED)

MUSIC (CONTINUED)

LYRICA WOMENS CHOIR MUSIC 141 1 CREDIT  
 Prereq: OPEN TO ALL FEMALE STUDENTS BY AUDITION  
 Note: ADDITIONAL EXPENSES MAY APPLY  
 5437005 1 MWF 2:10-3:00  
 MEETS: AUG 26-DEC 20

CANTAMUS WMNS CHOIR MUSIC 151A 1 CREDIT  
 Prereq: OPEN TO ALL STUDENTS BY AUDITION  
 Note: ADDITIONAL EXPENSES MAY APPLY  
 4461005 1 MWF 11:00-11:50  
 MEETS: AUG 26-DEC 20

STATESMEN MNS CHOIR MUSIC 151B 1 CREDIT  
 Prereq: OPEN TO ALL STUDENTS BY AUDITION  
 4471005 1 MWF 1:10-2:00  
 MEETS: AUG 26-DEC 20  
 Note: ADDITIONAL EXPENSES MAY APPLY

IOWA STATE SINGERS MUSIC 161 1 CREDIT  
 Prereq: OPEN TO ALL STUDENTS BY AUDITION  
 Note: ADDITIONAL EXPENSES MAY APPLY  
 5441005 1 MTWRF 12:10-1:00  
 MEETS: AUG 26-DEC 20

SYMPHONY ORCHESTRA MUSIC 181 1 CREDIT  
 Prereq: OPEN TO ALL STUDENTS BY AUDITION  
 Note: ADDITIONAL EXPENSES MAY APPLY  
 5443005 1 TR 4:10-6:00PM  
 MEETS: AUG 26-DEC 20

APPLIED MUSIC VOICE MUSIC 219A 1- 3 CREDITS  
 Prereq: AUDITION, INSTR PERMSN, MUSIC MAJORS ONLY  
 Note: Applied Music fee \$150.00-\$190.00  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

APPLIED MUSIC PIANO MUSIC 219B 1- 3 CREDITS  
 Prereq: AUDITION, INSTR PERMSN, MUSIC MAJORS ONLY  
 Note: Applied Music fee \$150.00-\$190.00  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

APPLIED MUSIC ORGAN MUSIC 219C 1- 3 CREDITS  
 Prereq: AUDITION, INSTR PERMSN, MUSIC MAJORS ONLY  
 Note: Applied Music fee \$150.00-\$190.00  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

APPLD MUSIC STRINGS MUSIC 219D 1- 3 CREDITS  
 Prereq: AUDITION, INSTR PERMSN, MUSIC MAJORS ONLY  
 Note: Applied Music fee \$150.00-\$190.00  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

APPL MUSIC CARILLON MUSIC 219E 1- 3 CREDITS  
 Prereq: AUDITION, INSTR PERMSN, MUSIC MAJORS ONLY  
 Note: Applied Music fee \$150.00-\$190.00  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

APPL MUSIC WOODWIND MUSIC 219F 1- 3 CREDITS  
 Prereq: AUDITION, INSTR PERMSN, MUSIC MAJORS ONLY  
 Note: Applied Music fee \$150.00-\$190.00  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

APPLIED MUSIC BRASS MUSIC 219G 1- 3 CREDITS  
 Prereq: AUDITION, INSTR PERMSN, MUSIC MAJORS ONLY  
 Note: Applied Music fee \$150.00-\$190.00  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

APPLD MUSIC PERCUSS MUSIC 219I 1- 3 CREDITS  
 Prereq: AUDITION, INSTR PERMSN, MUSIC MAJORS ONLY  
 Note: Applied Music fee \$150.00-\$190.00  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

MUSIC THEORY I MUSIC 224 4 CREDITS  
 Prereq: MUSIC 101, PERMISSION OF INSTRUCTOR, OR  
 PASSING GRADE ON THE FUNDAMENTALS PLACEMENT EXAM.  
 Note: COURSE RESTRICTED TO MU BA, MU BM MAJORS ONLY  
 OR PERMISSION OF INSTRUCTOR  
 2419005 1 MWF 2:10-3:00  
 R 3:10-4:00  
 MEETS: AUG 26-DEC 20  
 2419010 2 MWF 3:10-4:00  
 T 2:10-3:00  
 MEETS: AUG 26-DEC 20  
 2419015 3 MWF 3:10-4:00  
 R 2:10-3:00  
 MEETS: AUG 26-DEC 20  
 2419020 4 MWF 3:10-4:00  
 R 3:10-4:00  
 MEETS: AUG 26-DEC 20  
 2419025 5 MWF 2:10-3:00  
 T 2:10-3:00  
 MEETS: AUG 26-DEC 20  
 2419030 6 MWF 2:10-3:00  
 R 2:10-3:00  
 MEETS: AUG 26-DEC 20

AURAL THEORY I MUSIC 225 1 CREDIT  
 Prereq: MUSIC MAJOR STATUS OR PERMISSION OF  
 INSTRUCTOR; CREDIT OR ENROLLMENT IN MUSIC 224  
 Note: COURSE RESTRICTED TO MU BA, MU BM MAJORS ONLY  
 2420005 1 MW 10:00-10:50  
 MEETS: AUG 26-DEC 20

CLASS STU PIANO III MUSIC 227 1 CREDIT  
 Prereq: MUSIC 128 OR PERMISSION OF INSTRUCTOR  
 Note: COURSE RESTRICTED TO MU BA, MU BM MAJORS ONLY  
 Instructor permission required 1st week.  
 5455005 1 MW 11:00-11:50  
 MEETS: AUG 26-DEC 20  
 5455010 2 TR 9:00-9:50  
 MEETS: AUG 26-DEC 20  
 5455015 3 TR 2:10-3:00  
 MEETS: AUG 26-DEC 20

INTRO CRTV DGTL MUS MUSIC 246 2 CREDITS  
 Prereq: MUSIC 101, MUSIC 105, OR MUSIC 224,  
 OR PERMISSION OF INSTRUCTOR  
 5578005 1 MW 1:10-2:00  
 MEETS: AUG 26-DEC 20

MUSIC IN ELEM EDUC MUSIC 265 2 CREDITS  
 Prereq: HD FS 102 OR PSYCH 230  
 7209005 1 TR 3:10-4:00  
 MEETS: AUG 26-DEC 20  
 7209010 2 TR 4:10-5:00  
 MEETS: AUG 26-DEC 20  
 7209015 3 TR 5:10-6:00PM  
 MEETS: AUG 26-DEC 20  
 7209020 4 TR 2:10-3:00  
 MEETS: AUG 26-DEC 20

PRE-TCH EXP I:MUSIC MUSIC 280K .5 CREDIT  
 Satisfactory-Fail Only.  
 5807005 1 ARRANGED  
 MEETS: AUG 26-DEC 20

SPCL PROB EDUCATION MUSIC 290A VAR. CREDITS  
 Prereq: PERMISSION OF INSTRUCTOR; 12 CREDITS IN  
 MUSIC, APPROVAL OF DEPARTMENT CHAIR  
 Note: Instructor permission required 1st week.  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

SPECIAL PROB THEORY MUSIC 290B VAR. CREDITS  
 Prereq: PERMISSION OF INSTRUCTOR; 12 CREDITS IN  
 MUSIC, APPROVAL OF DEPARTMENT CHAIR  
 Note: Instructor permission required 1st week.  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

SP PROB COMPOSITION MUSIC 290C VAR. CREDITS  
 Prereq: PERMISSION OF INSTRUCTOR; 12 CREDITS IN  
 MUSIC, APPROVAL OF DEPARTMENT CHAIR  
 Note: Instructor permission required 1st week.  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

SPL PROB LITERATURE MUSIC 290E VAR. CREDITS  
 Prereq: PERMISSION OF INSTRUCTOR; 12 CREDITS IN  
 MUSIC, APPROVAL OF DEPARTMENT CHAIR  
 Note: Instructor permission required 1st week.  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

SPL PROB APPL MUSIC MUSIC 290F VAR. CREDITS  
 Prereq: PERMISSION OF INSTRUCTOR; 12 CREDITS IN  
 MUSIC, APPROVAL OF DEPARTMENT CHAIR  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

SPL PROB CONDUCTING MUSIC 290G VAR. CREDITS  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

SPECIAL PROB HONORS MUSIC 290H VAR. CREDITS  
 Prereq: PERMISSION OF INSTRUCTOR; 12 CREDITS IN  
 MUSIC, APPROVAL OF DEPARTMENT CHAIR; MEMBERSHIP IN  
 UNIVERSITY HONORS PROGRAM  
 Note: COURSE RESTRICTED TO STUDENTS IN THE  
 UNIVERSITY HONORS PROGRAM ONLY  
 Instructor permission required 1st week.  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

OPERA/OPRTA STUDIO MUSIC 301A 1- 3 CREDITS  
 Prereq: PERMISSION OF INSTRUCTOR  
 8656005 1 TR 2:10-3:40  
 MEETS: AUG 26-DEC 20

APPLIED MUSIC VOICE MUSIC 318A 1- 2 CREDITS  
 Prereq: AUDITION, PERMISSION OF INSTRUCTOR  
 Note: Applied Music fee \$150.00-\$190.00  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

APPLIED MUSIC PIANO MUSIC 318B 1- 2 CREDITS  
 Prereq: AUDITION, PERMISSION OF INSTRUCTOR  
 Note: Applied Music fee \$150.00-\$190.00  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

APPLIED MUSIC ORGAN MUSIC 318C 1- 2 CREDITS  
 Prereq: AUDITION, PERMISSION OF INSTRUCTOR  
 Note: Applied Music fee \$150.00-\$190.00  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

APPLD MUSIC STRINGS MUSIC 318D 1- 2 CREDITS  
 Prereq: AUDITION, PERMISSION OF INSTRUCTOR  
 Note: Applied Music fee \$150.00-\$190.00  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

## MUSIC

(CONTINUED)

APPL MUSIC CARILLON MUSIC 318E 1- 2 CREDITS  
Prereq: AUDITION, PERMISSION OF INSTRUCTOR  
Note: Applied Music fee \$150.00-\$190.00  
\*\*\*\*\*  
SEE DEPT FOR REFERENCE NUMBERS

APPL MUSIC WOODWIND MUSIC 318F 1- 2 CREDITS  
Prereq: AUDITION, PERMISSION OF INSTRUCTOR  
Note: Applied Music fee \$150.00-\$190.00  
\*\*\*\*\*  
SEE DEPT FOR REFERENCE NUMBERS

APPLIED MUSIC BRASS MUSIC 318G 1- 2 CREDITS  
Prereq: AUDITION, PERMISSION OF INSTRUCTOR  
Note: Applied Music fee \$150.00-\$190.00  
\*\*\*\*\*  
SEE DEPT FOR REFERENCE NUMBERS

APPLD MUSIC PERCUSS MUSIC 318I 1- 2 CREDITS  
Prereq: AUDITION, PERMISSION OF INSTRUCTOR  
Note: Applied Music fee \$150.00-\$190.00  
\*\*\*\*\*  
SEE DEPT FOR REFERENCE NUMBERS

APPLIED MUSIC VOICE MUSIC 319A 1- 3 CREDITS  
Prereq: AUDITION, INSTRUCTOR PERMISN, MUSIC MAJOR  
Note: Applied Music fee \$150.00-\$190.00  
\*\*\*\*\*  
SEE DEPT FOR REFERENCE NUMBERS

APPLIED MUSIC PIANO MUSIC 319B 1- 3 CREDITS  
Prereq: AUDITION, INSTRUCTOR PERMISN, MUSIC MAJOR  
Note: Applied Music fee \$150.00-\$190.00  
\*\*\*\*\*  
SEE DEPT FOR REFERENCE NUMBERS

APPLIED MUSIC ORGAN MUSIC 319C 1- 3 CREDITS  
Prereq: AUDITION, INSTRUCTOR PERMISN, MUSIC MAJOR  
Note: Applied Music fee \$150.00-\$190.00  
\*\*\*\*\*  
SEE DEPT FOR REFERENCE NUMBERS

APPLD MUSIC STRINGS MUSIC 319D 1- 3 CREDITS  
Prereq: AUDITION, INSTRUCTOR PERMISN, MUSIC MAJOR  
Note: Applied Music fee \$150.00-\$190.00  
\*\*\*\*\*  
SEE DEPT FOR REFERENCE NUMBERS

APPL MUSIC CARILLON MUSIC 319E 1- 3 CREDITS  
Prereq: AUDITION, INSTRUCTOR PERMISN, MUSIC MAJOR  
Note: Applied Music fee \$150.00-\$190.00  
\*\*\*\*\*  
SEE DEPT FOR REFERENCE NUMBERS

APPL MUSIC WOODWIND MUSIC 319F 1- 3 CREDITS  
Prereq: AUDITION, INSTRUCTOR PERMISN, MUSIC MAJOR  
Note: Applied Music fee \$150.00-\$190.00  
\*\*\*\*\*  
SEE DEPT FOR REFERENCE NUMBERS

APPLIED MUSIC BRASS MUSIC 319G 1- 3 CREDITS  
Prereq: AUDITION, INSTRUCTOR PERMISN, MUSIC MAJOR  
Note: Applied Music fee \$150.00-\$190.00  
\*\*\*\*\*  
SEE DEPT FOR REFERENCE NUMBERS

APPLD MUSIC PERCUSS MUSIC 319I 1- 3 CREDITS  
Prereq: AUDITION, INSTRUCTOR PERMISN, MUSIC MAJOR  
Note: Applied Music fee \$150.00-\$190.00  
\*\*\*\*\*  
SEE DEPT FOR REFERENCE NUMBERS

ADV ENSEMBLE VOICE MUSIC 321A 1 CREDIT  
Prereq: ADVANCED PROFICIENCY AND PERFORMING  
ABILITY, PERMISSION OF INSTRUCTOR  
\*\*\*\*\*  
SEE DEPT FOR REFERENCE NUMBERS

ADV ENSEMBLE PIANO MUSIC 321B 1 CREDIT  
Prereq: ADVANCED PROFICIENCY AND PERFORMING  
ABILITY, PERMISSION OF INSTRUCTOR  
\*\*\*\*\*  
SEE DEPT FOR REFERENCE NUMBERS

ADV ENSEMBLE ORGAN MUSIC 321C 1 CREDIT  
Prereq: ADVANCED PROFICIENCY AND PERFORMING  
ABILITY, PERMISSION OF INSTRUCTOR  
\*\*\*\*\*  
SEE DEPT FOR REFERENCE NUMBERS

ADV ENSEMBL STRINGS MUSIC 321D 1 CREDIT  
Prereq: ADVANCED PROFICIENCY AND PERFORMING  
ABILITY, PERMISSION OF INSTRUCTOR  
\*\*\*\*\*  
SEE DEPT FOR REFERENCE NUMBERS

ADV ENSEMBL WOODWINDS MUSIC 321F 1 CREDIT  
Prereq: ADVANCED PROFICIENCY AND PERFORMING  
ABILITY, PERMISSION OF INSTRUCTOR  
\*\*\*\*\*  
SEE DEPT FOR REFERENCE NUMBERS

ADV ENSEMBLE BRASS MUSIC 321G 1 CREDIT  
Prereq: ADVANCED PROFICIENCY AND PERFORMING  
ABILITY, PERMISSION OF INSTRUCTOR  
\*\*\*\*\*  
SEE DEPT FOR REFERENCE NUMBERS

ADV ENSM PERCUSSION MUSIC 321I 1 CREDIT  
Prereq: ADVANCED PROFICIENCY AND PERFORMING  
ABILITY, PERMISSION OF INSTRUCTOR  
\*\*\*\*\*  
SEE DEPT FOR REFERENCE NUMBERS

## MUSIC

(CONTINUED)

ADV ENSEMBLE MIXED MUSIC 321J 1 CREDIT  
Prereq: ADVANCED PROFICIENCY AND PERFORMING  
ABILITY, PERMISSION OF INSTRUCTOR  
\*\*\*\*\*  
SEE DEPT FOR REFERENCE NUMBERS

FRN & GER DICT-SING MUSIC 325 2 CREDITS  
Prereq: CREDIT OR ENROLLMENT IN MUSIC 118A OR  
MUSIC 119A  
5496005 1 MW 1:10-2:00  
MEETS: AUG 26-DEC 20

MUSIC THEORY III MUSIC 334 3 CREDITS  
Prereq: MUSIC 234. CONCURRENT ENROLLMENT  
IN 335 RECOMMENDED.  
Note: COURSE RESTRICTED TO MU BA, MU BM MAJORS ONLY.  
OTHER QUALIFIED STUDENTS MUST SEEK PERMISSION OF  
THE INSTRUCTOR.  
2506005 1 MWF 8:00-8:50  
MEETS: AUG 26-DEC 20  
2506010 2 MWF 9:00-9:50  
MEETS: AUG 26-DEC 20

AURAL THEORY III MUSIC 335 1 CREDIT  
Prereq: MUSIC 235; CREDIT OR ENROLLMENT IN  
MUSIC 334  
Note: COURSE RESTRICTED TO MU BA, MU BM MAJORS ONLY.  
OTHER QUALIFIED STUDENTS MUST SEEK PERMISSION OF  
THE INSTRUCTOR.  
2544005 1 TR 8:00-8:50  
MEETS: AUG 26-DEC 20  
2544010 2 TR 9:00-9:50  
MEETS: AUG 26-DEC 20

STRING TECHNIQUES MUSIC 350 1 CREDIT  
Prereq: CONCURRENT ENROLLMENT IN MUSIC 358B OR  
MUSIC 358C IS REQUIRED OF INSTRUMENTAL MUSIC  
EDUCATION MAJORS. LIMITED TO MUSIC MAJORS.  
Note: COURSE RESTRICTED TO MU BA, MU BM MAJORS ONLY.  
OTHER QUALIFIED STUDENTS MUST SEEK PERMISSION OF  
THE INSTRUCTOR.  
5499005 1 MW 2:10-3:00  
MEETS: AUG 26-DEC 20

WDWIND: OBOE, BASSN MUSIC 352 1 CREDIT  
Prereq: MUSIC 351 OR PERMISSION OF INSTRUCTOR.  
CONCURRENT ENROLLMENT IN MUSIC 358B OR MUSIC 358C IS  
REQUIRED OF INSTRUMENTAL MUSIC EDUCATION MAJORS.  
LIMITED TO MUSIC MAJORS.  
5501005 1 TR 11:00-11:50  
MEETS: AUG 26-DEC 20

BRASS: TRMPT, FR HORN MUSIC 353 1 CREDIT  
Prereq: CONCURRENT ENROLLMENT IN MUSIC 358B OR  
MUSIC 358C IS REQUIRED OF INSTRUMENTAL MUSIC  
EDUCATION MAJORS. LIMITED TO MUSIC MAJORS.  
Note: COURSE RESTRICTED TO MU BA, MU BM MAJORS ONLY.  
OTHER QUALIFIED STUDENTS MUST SEEK PERMISSION OF  
THE INSTRUCTOR.  
5502005 1 MW 2:10-3:00  
MEETS: AUG 26-DEC 20

LAB ENSEMBLE: CHORAL MUSIC 358A R CREDIT  
Note: COURSE RESTRICTED TO MU BA, MU BM MAJORS ONLY.  
OTHER QUALIFIED STUDENTS MUST SEEK PERMISSION OF  
THE INSTRUCTOR.  
7331005 1 W 4:10-5:15  
MEETS: AUG 26-DEC 20

LAB ENSMBLE: INSTRUM MUSIC 358B R CREDIT  
Note: ADDITIONAL EXPENSES MAY APPLY  
COURSE RESTRICTED TO MU BA, MU BM MAJORS ONLY.  
OTHER QUALIFIED STUDENTS MUST SEEK PERMISSION OF  
THE INSTRUCTOR.  
Satisfactory-Fail Only.  
7330005 1 T 12:10-1:00  
MEETS: AUG 26-DEC 20

LAB ENSMBL: ORCHESTR MUSIC 358C R CREDIT  
Satisfactory-Fail Only.  
7115005 1 T 12:10-1:00  
MEETS: AUG 26-DEC 20

CONDUCTING I MUSIC 361 2 CREDITS  
Prereq: MUSIC 234, MUSIC 235, MUSIC MAJOR  
STATUS OR PERMISSION OF INSTRUCTOR  
Note: COURSE RESTRICTED TO MU BA, MU BM MAJORS ONLY.  
OTHER QUALIFIED STUDENTS MUST SEEK PERMISSION OF  
THE INSTRUCTOR.  
5507005 1 MWF 9:00-9:50  
MEETS: AUG 26-DEC 20

METHODS MUSIC EDUC MUSIC 366 2 CREDITS  
Prereq: CONCURRENT ENROLLMENT (1 CR) IN MUSIC  
480K AND SP ED 401; MUSIC 266 AND ADMISSION INTO  
TEACHER EDUCATION  
Note: RESTRICTED TO STUDENTS WITH FULL OR TENTATIVE  
ADMISSION TO THE UNIVERSITY TEACHER EDUCATION PROGRAM  
COURSE RESTRICTED TO MU BA, MU BM MAJORS ONLY.  
OTHER QUALIFIED STUDENTS MUST SEEK PERMISSION OF  
THE INSTRUCTOR.  
4596005 1 TR 11:00-11:50  
MEETS: AUG 26-DEC 20

MUSIC

(CONTINUED)

INSTRUM MTHD FOR VO MUSIC 374 1 CREDIT  
 Prereq: MUSIC MAJORS WHO ARE ALSO ADMITTED TO THE TEACHER EDUCATION PROGRAM  
 Note: COURSE RESTRICTED TO MU BA, MU BM MAJORS ONLY. OTHER QUALIFIED STUDENTS MUST SEEK PERMISSION OF THE INSTRUCTOR.  
 8763005 1 F 8:00-8:50  
 MEETS: AUG 26-DEC 20

HISTORY OF MUSIC I MUSIC 383 3 CREDITS  
 Prereq: MUSIC 120; MUSIC MAJOR STATUS OR PERMISSION OF INSTRUCTOR  
 Note: COURSE RESTRICTED TO MU BA, MU BM MAJORS ONLY. OTHER QUALIFIED STUDENTS MUST SEEK PERMISSION OF THE INSTRUCTOR.  
 Meets international perspectives reqmt  
 5511005 1 MWF 10:00-10:50  
 MEETS: AUG 26-DEC 20

LIT & PEDAGOGY VOICE MUSIC 415A 1- 4 CREDITS  
 Prereq: PERMISSION OF INSTRUCTOR  
 Note: COURSE RESTRICTED TO MU BA, MU BM MAJORS ONLY. OTHER QUALIFIED STUDENTS MUST SEEK PERMISSION OF THE INSTRUCTOR.  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

LIT & PEDAGOGY PIANO MUSIC 415B 1- 4 CREDITS  
 Prereq: PERMISSION OF INSTRUCTOR  
 Note: COURSE RESTRICTED TO MU BA, MU BM MAJORS ONLY. OTHER QUALIFIED STUDENTS MUST SEEK PERMISSION OF THE INSTRUCTOR.  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

LIT & PEDAGOGY ORGAN MUSIC 415C 1- 4 CREDITS  
 Prereq: PERMISSION OF INSTRUCTOR  
 Note: COURSE RESTRICTED TO MU BA, MU BM MAJORS ONLY. OTHER QUALIFIED STUDENTS MUST SEEK PERMISSION OF THE INSTRUCTOR.  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

LIT & PEDAG STRINGS MUSIC 415D 1- 4 CREDITS  
 Prereq: PERMISSION OF INSTRUCTOR  
 Note: COURSE RESTRICTED TO MU BA, MU BM MAJORS ONLY. OTHER QUALIFIED STUDENTS MUST SEEK PERMISSION OF THE INSTRUCTOR.  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

LIT & PEDAG WOODWIND MUSIC 415F 1- 4 CREDITS  
 Prereq: PERMISSION OF INSTRUCTOR  
 Note: COURSE RESTRICTED TO MU BA, MU BM MAJORS ONLY. OTHER QUALIFIED STUDENTS MUST SEEK PERMISSION OF THE INSTRUCTOR.  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

LIT & PEDAGOGY BRASS MUSIC 415G 1- 4 CREDITS  
 Prereq: PERMISSION OF INSTRUCTOR  
 Note: COURSE RESTRICTED TO MU BA, MU BM MAJORS ONLY. OTHER QUALIFIED STUDENTS MUST SEEK PERMISSION OF THE INSTRUCTOR.  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

LIT & PEDAG PERCUSSN MUSIC 415I 1- 4 CREDITS  
 Prereq: PERMISSION OF INSTRUCTOR  
 Note: COURSE RESTRICTED TO MU BA, MU BM MAJORS ONLY. OTHER QUALIFIED STUDENTS MUST SEEK PERMISSION OF THE INSTRUCTOR.  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

LIT & PEDAG JAZZ PERF MUSIC 415J 1- 4 CREDITS  
 Prereq: PERMISSION OF INSTRUCTOR  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

STUDNT TCH ELEM MUS MUSIC 417R VAR. CREDITS  
 Prereq: MINIMUM GPA OF 2.5; ADMISSION TO TEACHER EDUCATION; APPROVAL OF COORDINATOR DURING SEMESTER BEFORE STUDENT TEACHING  
 Note: RESTRICTED TO STUDENTS OF THE EDUCATOR PREP PROGRAM  
 6741005 1A ARRANGED  
 MEETS: AUG 26-OCT 18  
 Note: SEC 1A FOR STUDENTS TEACHING IN CENTRAL IOWA. OFFERED FOR 8 CREDITS.  
 6741010 1R ARRANGED  
 MEETS: AUG 26-OCT 18  
 Note: SEC 1R OFFERED FOR 8 CREDITS. FOR STUDENTS TEACHING OUTSIDE CENTRAL IOWA.  
 6741015 2A ARRANGED  
 MEETS: OCT 21-DEC 20  
 Note: SEC 2A FOR STUDENTS TEACHING IN CENTRAL IOWA. OFFERED FOR 8 CREDITS.  
 6741020 2R ARRANGED  
 MEETS: OCT 21-DEC 20  
 Note: SEC 2R OFFERED FOR 8 CREDITS. FOR STUDENTS TEACHING OUTSIDE CENTRAL IOWA.

MUSIC

(CONTINUED)

STUDNT TCHG SEC MUS MUSIC 417S VAR. CREDITS  
 Prereq: MINIMUM GPA OF 2.5; ADMISSION TO TEACHER EDUCATION; APPROVAL OF COORDINATOR DURING SEMESTER BEFORE STUDENT TEACHING  
 Note: RESTRICTED TO STUDENTS OF THE EDUCATOR PREP PROGRAM  
 6690005 1A ARRANGED  
 MEETS: AUG 26-OCT 18  
 Note: SEC 1A FOR STUDENTS TEACHING IN CENTRAL IOWA. OFFERED FOR 8 CREDITS.  
 6690010 1R ARRANGED  
 MEETS: AUG 26-OCT 18  
 Note: SEC 2R OFFERED FOR 8 CREDITS. FOR STUDENTS TEACHING OUTSIDE CENTRAL IOWA.  
 6690015 2A ARRANGED  
 MEETS: OCT 21-DEC 20  
 Note: SEC 2A FOR STUDENTS TEACHING IN CENTRAL IOWA. OFFERED FOR 8 CREDITS.  
 6690020 2R ARRANGED  
 MEETS: OCT 21-DEC 20  
 Note: SEC 2R OFFERED FOR 8 CREDITS. FOR STUDENTS TEACHING OUTSIDE CENTRAL IOWA.

APPLIED MUSIC VOICE MUSIC 419A 1- 3 CREDITS  
 Prereq: AUDITION, INSTR PERMSN, MUSIC MAJORS ONLY  
 Note: Applied Music fee \$150.00-\$190.00  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

APPLIED MUSIC PIANO MUSIC 419B 1- 3 CREDITS  
 Prereq: AUDITION, INSTR PERMSN, MUSIC MAJORS ONLY  
 Note: Applied Music fee \$150.00-\$190.00  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

APPLIED MUSIC ORGAN MUSIC 419C 1- 3 CREDITS  
 Prereq: AUDITION, INSTR PERMSN, MUSIC MAJORS ONLY  
 Note: Applied Music fee \$150.00-\$190.00  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

APPLD MUSIC STRINGS MUSIC 419D 1- 3 CREDITS  
 Prereq: AUDITION, INSTR PERMSN, MUSIC MAJORS ONLY  
 Note: Applied Music fee \$150.00-\$190.00  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

APPL MUSIC CARILLON MUSIC 419E 1- 3 CREDITS  
 Prereq: AUDITION, INSTR PERMSN, MUSIC MAJORS ONLY  
 Note: Applied Music fee \$150.00-\$190.00  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

APPL MUSIC WOODWIND MUSIC 419F 1- 3 CREDITS  
 Prereq: AUDITION, INSTR PERMSN, MUSIC MAJORS ONLY  
 Note: Applied Music fee \$150.00-\$190.00  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

APPLIED MUSIC BRASS MUSIC 419G 1- 3 CREDITS  
 Prereq: AUDITION, INSTR PERMSN, MUSIC MAJORS ONLY  
 Note: Applied Music fee \$150.00-\$190.00  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

APPLD MUSIC PERCUSS MUSIC 419I 1- 3 CREDITS  
 Prereq: AUDITION, INSTR PERMSN, MUSIC MAJORS ONLY  
 Note: Applied Music fee \$150.00-\$190.00  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

JR/SENIOR RECITAL MUSIC 420 R CREDIT  
 Prereq: ADVANCED PERFORMING ABILITY, PERMISSION OF INSTRUCTOR, CONCURRENT REGISTRATION IN MUSIC 319 OR MUSIC 419  
 Note: ADDITIONAL EXPENSES MAY APPLY  
 Satisfactory-Fail Only.  
 5584005 1 ARRANGED  
 MEETS: AUG 26-DEC 20

SOUND SYNTHES DESGN MUSIC 446 3 CREDITS  
 Prereq: MUSIC 246 OR PERMISSION OF INSTRUCTOR  
 5524005 1 M 3:10-4:00  
 W 3:10-5:00  
 MEETS: AUG 26-DEC 20

CHORAL MATRLS&METHD MUSIC 465 2 CREDITS  
 Prereq: CONCURRENT ENROLLMENT IN MUSIC 358A AND MUSIC 141, MUSIC 151, OR MUSIC 161  
 Note: COURSE RESTRICTED TO MU BA, MU BM MAJORS ONLY. OTHER QUALIFIED STUDENTS MUST SEEK PERMISSION OF THE INSTRUCTOR.  
 5526005 1 TR 3:10-4:00  
 MEETS: AUG 26-DEC 20

PGM DEV&EVAL MUS ED MUSIC 466 2 CREDITS  
 Prereq: CONTINUATION EXAM PASSED; MUSIC 362, MUSIC 366, CONCURRENT ENROLLMENT (1 CR) IN MUSIC 480K  
 Note: RESTRICTED TO STUDENTS WITH FULL OR TENTATIVE ADMISSION TO THE UNIVERSITY TEACHER EDUCATION PROGRAM  
 5527005 1 TR 10:00-10:50  
 MEETS: AUG 26-DEC 20

## MUSIC

(CONTINUED)

EXPERNCE III: MUSIC MUSIC 480K 1 CREDIT  
 Note: COURSE RESTRICTED TO MU BA, MU BM MAJORS ONLY.  
 OTHER QUALIFIED STUDENTS MUST SEEK PERMISSION OF  
 THE INSTRUCTOR.  
 Satisfactory-Fail Only.  
 7691005 1 ARRANGED  
 MEETS: AUG 26-DEC 20

INDEP STDY MUSIC ED MUSIC 490A VAR. CREDITS  
 Prereq: INSTRUCTOR PERMISSION, 12 CREDITS IN  
 MUSIC, APPROVAL OF DEPARTMENT CHAIR  
 Note: Instructor permission required 1st week.  
 \*\*\*\*\*  
 SEE DEPT FOR REFERENCE NUMBERS

INDEP STUDY THEORY MUSIC 490B VAR. CREDITS  
 Prereq: INSTRUCTOR PERMISSION, 12 CREDITS IN  
 MUSIC, APPROVAL OF DEPARTMENT CHAIR  
 Note: Instructor permission required 1st week.  
 \*\*\*\*\*  
 SEE DEPT FOR REFERENCE NUMBERS

IND STU COMPOSITION MUSIC 490C VAR. CREDITS  
 Prereq: INSTRUCTOR PERMISSION, 12 CREDITS IN  
 MUSIC, APPROVAL OF DEPARTMENT CHAIR  
 Note: Instructor permission required 1st week.  
 \*\*\*\*\*  
 SEE DEPT FOR REFERENCE NUMBERS

INDEP STUDY HISTORY MUSIC 490D VAR. CREDITS  
 Prereq: INSTRUCTOR PERMISSION, 12 CREDITS IN  
 MUSIC, APPROVAL OF DEPARTMENT CHAIR  
 Note: Instructor permission required 1st week.  
 \*\*\*\*\*  
 SEE DEPT FOR REFERENCE NUMBERS

IND STDY LITERATURE MUSIC 490E VAR. CREDITS  
 Prereq: INSTRUCTOR PERMISSION, 12 CREDITS IN  
 MUSIC, APPROVAL OF DEPARTMENT CHAIR  
 Note: Instructor permission required 1st week.  
 \*\*\*\*\*  
 SEE DEPT FOR REFERENCE NUMBERS

IND STDY APPL MUSIC MUSIC 490F VAR. CREDITS  
 Prereq: INSTRUCTOR PERMISSION, 12 CREDITS IN  
 MUSIC, APPROVAL OF DEPARTMENT CHAIR  
 Note: Instructor permission required 1st week.  
 \*\*\*\*\*  
 SEE DEPT FOR REFERENCE NUMBERS

INDEP STDY CONDUCTG MUSIC 490G VAR. CREDITS  
 Prereq: INSTRUCTOR PERMISSION, 12 CREDITS IN  
 MUSIC, APPROVAL OF DEPARTMENT CHAIR  
 Note: Instructor permission required 1st week.  
 \*\*\*\*\*  
 SEE DEPT FOR REFERENCE NUMBERS

INDEP STUDY HONORS MUSIC 490H VAR. CREDITS  
 Prereq: INSTRUCTOR PERMISSION, 12 CREDITS IN  
 MUSIC, APPROVAL OF DEPARTMENT CHAIR, MEMBERSHIP IN  
 UNIVERSITY HONORS PROGRAM  
 Note: COURSE RESTRICTED TO STUDENTS IN THE UNIVERSITY  
 HONORS PROGRAM ONLY  
 Instructor permission required 1st week.  
 \*\*\*\*\*  
 SEE DEPT FOR REFERENCE NUMBERS

IND STDY ELECTRNC M MUSIC 490I VAR. CREDITS  
 Prereq: INSTRUCTOR PERMISSION, 12 CREDITS IN  
 MUSIC, APPROVAL OF DEPARTMENT CHAIR  
 Note: Instructor permission required 1st week.  
 \*\*\*\*\*  
 SEE DEPT FOR REFERENCE NUMBERS

SPECL TOPICS THEORY MUSIC 590B VAR. CREDITS  
 Prereq: PERMISSION OF INSTRUCTOR, APPROVAL OF  
 DEPARTMENT HEAD  
 Note: Instructor permission required 1st week.  
 \*\*\*\*\*  
 SEE DEPT FOR REFERENCE NUMBERS

SPCL TOPCS COMPOSIT MUSIC 590C VAR. CREDITS  
 Prereq: PERMISSION OF INSTRUCTOR, APPROVAL OF  
 DEPARTMENT HEAD  
 Note: Instructor permission required 1st week.  
 \*\*\*\*\*  
 SEE DEPT FOR REFERENCE NUMBERS

SPECIAL TOPICS LIT MUSIC 590E VAR. CREDITS  
 Prereq: PERMISSION OF INSTRUCTOR, APPROVAL OF  
 DEPARTMENT HEAD  
 Note: Instructor permission required 1st week.  
 \*\*\*\*\*  
 SEE DEPT FOR REFERENCE NUMBERS

SPL TOPC APPL MUSIC MUSIC 590F VAR. CREDITS  
 Prereq: PERMISSION OF INSTRUCTOR, APPROVAL OF  
 DEPARTMENT HEAD  
 Note: Instructor permission required 1st week.  
 \*\*\*\*\*  
 SEE DEPT FOR REFERENCE NUMBERS

SPL TOP ELECTRNC MU MUSIC 590I VAR. CREDITS  
 Prereq: PERMISSION OF INSTRUCTOR, APPROVAL OF  
 DEPARTMENT HEAD  
 Note: Instructor permission required 1st week.  
 \*\*\*\*\*  
 SEE DEPT FOR REFERENCE NUMBERS

## NATURAL RESOURCE ECOLOGY AND MGMT

NAT RESOURC ORIENTA NREM 110 1 CREDIT  
 Satisfactory-Fail Only.  
 1054005 1 TR 2:10-3:00  
 MEETS: AUG 26-OCT 18  
 Note: SEC 1 FOR ADULT AND TRANSFER STUDENTS

1054010 2 T 11:00-11:50  
 MEETS: AUG 26-DEC 20  
 Note: SEC 2 RESTRICTED TO FRESHMEN ONLY

1054015 3 R 12:10-1:00  
 MEETS: AUG 26-DEC 20  
 Note: SEC 3 RESTRICTED TO FRESHMEN ONLY

NREM LRN CMM SEMINR NREM 111 1 CREDIT  
 Prereq: MEMBER OF THE NREM TRANSITIONS LEARNING  
 COMMUNITY  
 Satisfactory-Fail Only.  
 8032005 1 M 12:10-1:00  
 MEETS: AUG 26-DEC 20

8032010 2 W 12:10-1:00  
 MEETS: AUG 26-DEC 20

8032015 3 R 12:10-1:00  
 MEETS: AUG 26-DEC 20

INTR RENEW RESOURCS NREM 120 3 CREDITS  
 1297005 1 MWF 12:10-1:00  
 MEETS: AUG 26-DEC 20

MGT&NA MODL CONSERV NREM 207 1 CREDIT  
 Note: COURSE RESTRICTED TO A ECL, FOR MAJORS ONLY  
 THERE WILL BE A REQUIRED WEEKEND FIELD TRIP -  
 DATES TO BE ANNOUNCED.  
 Satisfactory-Fail Only.  
 4971005 1 W 6:00-8:00PM  
 ARRANGED  
 MEETS: AUG 26-OCT 18

NAT RESOURC CAREERS NREM 211 1 CREDIT  
 Prereq: SOPHOMORE CLASSIFICATION  
 Satisfactory-Fail Only.  
 4467005 1 TR 2:10-3:00  
 MEETS: OCT 21-DEC 20

FND NAT R PLCY&HIST NREM 270 3 CREDITS  
 3541005 1 ARRANGED  
 MEETS: AUG 26-DEC 20  
 Note: Course delivery is WWW

FOREST ECOLGY&SOILS NREM 301 4 CREDITS  
 Prereq: BIOL 211, BIOL 211L; FOR 201 OR A SECOND  
 COURSE IN BIOLOGY  
 3717005 1 TR 8:00-9:20  
 T 3:10-6:00PM  
 MEETS: AUG 26-DEC 20

INTERNSHIP NREM 303 1- 3 CREDITS  
 Prereq: PERMISSION OF DEPARTMENT MENTOR,  
 SOPHOMORE STANDING  
 \*\*\*\*\*  
 SEE DEPT FOR REFERENCE NUMBERS

SEMINAR NREM 305 1- 3 CREDITS  
 Prereq: PERMISSION OF INSTRUCTOR  
 1058005 1 MWF 10:00-10:50  
 MEETS: AUG 26-DEC 20  
 Note: SEC 1 TOPIC: POLLINATION BIOLOGY.  
 OFFERED FOR 3 CREDITS.

1058010 2 M 2:10-3:00  
 F 1:10-3:00  
 MEETS: AUG 26-DEC 20  
 Note: SEC 2 OFFERED FOR 3 CREDITS. TOPIC: WILDLIFE CARE

1058015 3 W 2:10-3:00  
 MEETS: AUG 26-DEC 20  
 Note: SEC 3 OFFERED FOR 1 CREDIT. TOPIC: WILDLIFE  
 PHOTOGRAPHY.  
 Materials, field trips &/or travel fee

GENET FOR N RES MGR NREM 315 3 CREDITS  
 Prereq: BIOL 211 AND BIOL 212  
 7686005 1 MWF 8:00-8:50  
 MEETS: AUG 26-DEC 20

MIDWST PRAIRIE PLNT NREM 357 1 CREDIT  
 7273005 1 R 8:00-10:50  
 MEETS: AUG 26-DEC 20

FIELD ECO RSCH&TCHG NREM 380 3 CREDITS  
 Prereq: CREDIT OR CURRENT ENROLLMENT IN A ECL 312  
 OR BIOL 312 OR ENSCI 312 OR NREM 301; OR ELIGIBILITY  
 FOR ADMISSION INTO ELEMENTARY EDUCATION PROGRAM  
 8730005 1 WF 8:00-8:50  
 F 11:00-2:00  
 MEETS: AUG 26-DEC 20

NATURAL RESOURCE ECOLOGY AND MGMT (CONTINUED)

NATURAL RESOURCE ECOLOGY AND MGMT (CONTINUED)

FIRE ECOLOGY & MGT NREM 390 3 CREDITS  
 3726005 1 TR 11:00-12:20  
 MEETS: AUG 26-DEC 20

WATERSHED HYDROLOGY NREM 402 3 CREDITS  
 Prereq: FOUR COURSES IN PHYSICAL OR BIOLOGICAL/LEOL  
 SCIENCES OR ENGINEERING; JUNIOR STANDING  
 5332005 1 MW 11:00-11:50 FRANZ K  
 R 3:10-6:00PM FRANZ K  
 MEETS: AUG 26-DEC 20

GIS&GPS NAT RESOURC NREM 446 3 CREDITS  
 Prereq: 12 CREDITS IN STUDENT'S MAJOR AT 300  
 LEVEL OR ABOVE, NREM 345 OR EQUIVALENT EXPERIENCE  
 WITH ARCGIS  
 3032005 1 TR 8:00-8:50  
 T 12:10-3:00  
 MEETS: AUG 26-DEC 20  
 3032010 2 TR 8:00-8:50  
 W 11:00-2:00  
 MEETS: AUG 26-DEC 20

STREAM RSTORATN LAB NREM 455L 1 CREDIT  
 Prereq: CE 372 OR GEOL 402 OR NREM 407 OR A ECL  
 418 OR EQUIVALENT.  
 0191005 1 W 12:10-3:00  
 MEETS: AUG 26-DEC 20

STREAM RESTORATION NREM 455X 2 CREDITS  
 Prereq: CE 372 OR GEOL 402 OR NREM 407 OR A ECL  
 418 OR ABE 431 OR EQUIVALENT.  
 0192005 1 MW 9:00-9:50  
 MEETS: AUG 26-DEC 20

CONTRV NAT RSRC MGT NREM 460 3 CREDITS  
 Prereq: NREM 120, AND A ECL 312 OR NREM 301, AND  
 JUNIOR CLASSIFICATION  
 7598005 1 MW 1:10-2:30  
 MEETS: AUG 26-DEC 20  
 7598010 2 MW 4:10-5:30  
 MEETS: AUG 26-DEC 20

UNDERGRAD SEMINAR NREM 485 1 CREDIT  
 Prereq: JUNIOR OR SENIOR CLASSIFICATION IN  
 A ECL OR FOR MAJORS, OTHERS BY PERMISSN OF INSTRUCTOR  
 Satisfactory-Fail Only.  
 9930005 1 F 3:10-4:00  
 MEETS: AUG 26-DEC 20

SURV REMOTE SNS TEC NREM 489 3 CREDITS  
 Prereq: FOUR COURSES IN PHYSICAL OR BIOLOGICAL  
 SCIENCES OR ENGINEERING  
 Note: THE ARRANGED TIME REPRESENTS WWW LECTURE DELIVERY  
 9752005 1 MW 10:00-10:50  
 ARRANGED  
 MEETS: AUG 26-DEC 20

SATELL RMT SENS LAB NREM 489L 1 CREDIT  
 Prereq: CREDIT OR ENROLLMENT IN MTEOR 489  
 OR MTEOR 589 OR GEOL 489 OR GEOL 589 OR NREM 489  
 OR NREM 589 OR E E 489 OR E E 589  
 5267005 1 T 9:00-11:50  
 MEETS: AUG 26-DEC 20

IND STDY ANIMAL ECO NREM 490A 1- 4 CREDITS  
 Prereq: JR OR SR CLASSIFICATN, INSTRUCTOR PERMISN  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

INDEP STDY FORESTRY NREM 490B 1- 4 CREDITS  
 Prereq: JR OR SR CLASSIFICATN, INSTRUCTOR PERMISN  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

INDEP STUDY HONORS NREM 490H 1- 4 CREDITS  
 Prereq: JR OR SR CLASSIFICATN, INSTRUCTOR PERMISN  
 MEMBERSHIP IN UNIVERSITY HONORS PROGRAM  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

DOMESTIC TRAVEL NREM 496B 1- 5 CREDITS  
 Prereq: PERMISSION OF INSTRUCTOR  
 Note: TOPIC: WILDLIFE CAMP. TRAVEL DATES  
 AUG 10-25. ROUND TRIP TRANSPORTATION FROM  
 AMS TO FRENCH CONSERVATION EDUCATION CAMP  
 IN MONTANA  
 2597005 1 ARRANGED  
 MEETS: AUG 26-OCT 18  
 Note: Instructor permission required.

COOPERATIVE EDUC NREM 498 1- 3 CREDITS  
 Prereq: PERMISSION OF DEPARTMENT CHAIR  
 Note: Permission of department chair required.  
 Satisfactory-Fail Only.  
 7593005 1 ARRANGED  
 MEETS: AUG 26-DEC 20

FOREST LNDSCL, SILVIC NREM 504 3 CREDITS  
 Prereq: NREM 301  
 3752005 1 ARRANGED  
 MEETS: AUG 26-DEC 20

SEMINAR NREM 505 1- 3 CREDITS  
 Prereq: INSTR PERMISSION OR GRAD CLASSIFICATION  
 1083005 1 ARRANGED  
 MEETS: AUG 26-DEC 20  
 Note: SEC 1 RESTRICTED TO GRADUATE STUDENTS. UNDERGRADS  
 NEED PERMISSION OF THE DEPARTMENT TO REGISTER.

INTR PROTEOMCS TCNQ NREM 542E 1 CREDIT  
 Satisfactory-Fail Only.  
 3810005 1 TR 1:10-2:00  
 TR 2:10-4:00  
 MEETS: AUG 26-DEC 20

INTEGRATING GIS&GPS NREM 546 3 CREDITS  
 Prereq: 12 CREDITS IN STUDENT'S MAJOR AT 300  
 LEVEL OR ABOVE, NREM 345 OR EQUIVALENT EXPERIENCE IN  
 ARCGIS  
 3821005 1 TR 8:00-8:50  
 T 12:10-3:00  
 MEETS: AUG 26-DEC 20  
 3821010 2 TR 8:00-8:50  
 W 11:00-2:00  
 MEETS: AUG 26-DEC 20

STREAM RSTORATN LAB NREM 555L 1 CREDIT  
 Prereq: CE 372 OR GEOL 402 OR NREM 407 OR A ECL  
 418 OR EQUIVALENT.  
 0190005 1 W 12:10-3:00  
 MEETS: AUG 26-DEC 20

STREAM RESTORATION NREM 555X 2 CREDITS  
 Prereq: CE 372 OR GEOL 402 OR NREM 407 OR A ECL  
 418 OR ABE 431 OR EQUIVALENT.  
 0193005 1 MW 9:00-9:50  
 MEETS: AUG 26-DEC 20

RESRCH ORIENTATION NREM 580 2 CREDITS  
 Prereq: 20 CREDITS IN BIOL SCI AND A STAT COURSE  
 7519005 1 F 9:00-10:50  
 MEETS: AUG 26-DEC 20

SURV REMOTE SNS TEC NREM 589 3 CREDITS  
 Prereq: FOUR COURSES IN PHYSICAL OR BIOLOGICAL  
 SCIENCES OR ENGINEERING  
 Note: THE ARRANGED TIME REPRESENTS WWW LECTURE DELIVERY  
 9757005 1 MW 10:00-10:50  
 ARRANGED  
 MEETS: AUG 26-DEC 20

SATELL RMT SENS LAB NREM 589L 1 CREDIT  
 Prereq: CREDIT OR ENROLLMENT IN MTEOR 489  
 OR MTEOR 589 OR GEOL 489 OR GEOL 589 OR NREM 489  
 OR NREM 589 OR E E 489 OR E E 589  
 6449005 1 T 9:00-11:50  
 MEETS: AUG 26-DEC 20

SPL TOPCS ANIML ECO NREM 590A 1- 4 CREDITS  
 Prereq: PERMISSION OF INSTRUCTOR  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

SPL TOPICS FORESTRY NREM 590B 1- 4 CREDITS  
 Prereq: PERMISSION OF INSTRUCTOR  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

WORKSHOP NREM 593 1- 3 CREDITS  
 Prereq: GRADUATE CLASSIFICATION  
 Note: Instructor permission required 1st week.  
 1106005 1 ARRANGED  
 MEETS: AUG 26-DEC 20  
 1106010 2 ARRANGED  
 MEETS: AUG 26-DEC 20  
 1106015 3 ARRANGED  
 MEETS: AUG 26-DEC 20

TEACHING PRACTICUM NREM 598 1 CREDIT  
 Prereq: GRAD CLASSIFICATION AS M.S. CANDIDATE  
 IN AN NREM MAJOR, PERMISSION OF INSTRUCTOR  
 Satisfactory-Fail Only.  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

CREATIVE COMPONENT NREM 599 VAR. CREDITS  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

SEMINAR NREM 600 1 CREDIT  
 3827005 1 ARRANGED  
 MEETS: AUG 26-DEC 20

TEACHING PRACTICUM NREM 698 1 CREDIT  
 Satisfactory-Fail Only.  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

RESEARCH NREM 699 1-12 CREDITS  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

**NAVAL SCIENCE**

INTRO NAVAL SCIENCE N S 111 3 CREDITS  
 Note: THE TUESDAY AND THURSDAY AFTERNOON LABS ARE NOT  
 REQUIRED OF NON-ROTC PROGRAM STUDENTS  
 5551005 1 MWF 8:00-8:50  
 TR 4:10-5:30  
 MEETS: AUG 26-DEC 20

LEADERSHIP&MANAGEMT N S 220 3 CREDITS  
 Note: THE TUESDAY AND THURSDAY AFTERNOON LABS ARE NOT  
 REQUIRED OF NON-ROTC PROGRAM STUDENTS  
 5731005 1 MWF 10:00-10:50  
 TR 4:10-5:30  
 MEETS: AUG 26-DEC 20

NAVAL SHIP SYSTMS I N S 320 3 CREDITS  
 Prereq: PHYS 221, SOPHOMORE CLASSIFICATION  
 Note: THE TUESDAY AND THURSDAY AFTERNOON LABS ARE  
 NOT REQUIRED OF NON-ROTC PROGRAM STUDENTS.  
 COURSE NOT OPEN TO FRESHMEN.  
 5687005 1 MWF 9:00-9:50  
 TR 4:10-5:30  
 MEETS: AUG 26-DEC 20  
 Note: SEC 1 FOR NROTC STUDENTS ONLY  
 5687010 2 MWF 9:00-9:50  
 MEETS: AUG 26-DEC 20  
 Note: SEC 2 IS FOR NON-NROTC STUDENTS.  
 NROTC STUDENTS SHOULD REGISTER FOR SECTION 1.

NAVAL OPER&SEAMNSHP N S 410 3 CREDITS  
 Prereq: SENIOR CLASSIFICATION  
 Note: THE TUESDAY AND THURSDAY AFTERNOON LABS ARE NOT  
 REQUIRED OF NON-ROTC PROGRAM STUDENTS  
 5721005 1 TR 9:30-10:45  
 TR 4:10-5:30  
 MEETS: AUG 26-DEC 20

SENIOR N S SEMINAR N S 440 1 CREDIT  
 Prereq: SENIOR CLASSIFICATION  
 Note: COURSE RESTRICTED TO SENIORS GRADUATING FALL 2019  
 Satisfactory-Fail Only.  
 4061005 1 ARRANGED  
 MEETS: AUG 26-DEC 20

**NEUROSCIENCE**

CELL,M&DEV NEUROSCI NEURO 556 3 CREDITS  
 Prereq: BIOL 335 OR BIOL 436. PHYSICS  
 RECOMMENDED  
 8551005 1 TR 2:10-3:30  
 MEETS: AUG 26-DEC 20

NEUROSCI JOURNL CLB NEURO 690 1 CREDIT  
 Prereq: NEURO 556  
 8554005 1 ARRANGED  
 MEETS: AUG 26-DEC 20

NEUROSCIENCE SEMINR NEURO 696 1 CREDIT  
 Prereq: NEURO 556  
 8555005 1 ARRANGED  
 MEETS: AUG 26-DEC 20

RESEARCH NEURO 699 VAR. CREDITS  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

**NUCLEAR ENGINEERING**

INDEPENDENT STUDY NUC E 490 1- 3 CREDITS  
 Prereq: JUNIOR CLASSIFICATION  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

**NURSING**

BSN NURSING ORIENTN NRS 250 1 CREDIT  
 Prereq: ADMISSION TO THE RN-BSN PROGRAM  
 8959005 1 ARRANGED  
 MEETS: AUG 26-DEC 20

CNCPTS NURSNG PRCTC NRS 320 3 CREDITS  
 Prereq: ADMISSION TO THE RN-BSN PROGRAM  
 8960005 1 ARRANGED  
 MEETS: AUG 26-DEC 20

EVIDNC BASED PRACCTC NRS 340 3 CREDITS  
 Prereq: ADMISSION TO THE RN-BSN PROGRAM  
 8977005 1 ARRANGED  
 MEETS: AUG 26-DEC 20

PROMO CULTR OF HLTH NRS 420 3 CREDITS  
 Prereq: ADMISSION TO THE RN-BSN PROGRAM OR  
 PERMISSION OF INSTRUCTOR  
 8968005 1 ARRANGED  
 MEETS: AUG 26-DEC 20

**NURSING**

(CONTINUED)

INDP STU:TRANSITION NRS 490 1- 2 CREDITS  
 Note: NO MORE THAN 4 CREDITS OF NRS 490 MAY BE  
 APPLIED TOWARD GRADUATION  
 8976005 1 ARRANGED  
 MEETS: AUG 26-DEC 20

**NUTRITIONAL SCIENCES**

NUTRI BIOCHM&PHYSOL NUTRS 501 4 CREDITS  
 Prereq: CREDIT OR ENROLLMENT IN BBMB 404 OR BBMB  
 420  
 Note: CREDIT FOR EITHER DIET 558 OR NUTRS 501,  
 BUT NOT BOTH, MAY BE APPLIED TOWARD GRADUATION  
 8364005 1 TR 12:40-2:30  
 MEETS: AUG 26-DEC 20

INTR PROTEOMCS TCNQ NUTRS 542E 1 CREDIT  
 Satisfactory-Fail Only.  
 8645005 1 TR 1:10-2:00  
 TR 2:10-4:00  
 MEETS: AUG 26-DEC 20

ADV VERTB PHYSIOL I NUTRS 549 4 CREDITS  
 Prereq: RECOMMENDED: AN UNDERGRADUATE PHYSIOLOGY  
 COURSE AND A BIOCHEMISTRY COURSE  
 3819005 1 TR 8:00-9:50  
 MEETS: AUG 26-DEC 20

GLOBAL NUTRITION NUTRS 560 3 CREDITS  
 6818005 1 MW 2:10-3:30  
 MEETS: AUG 26-DEC 20

MED NUTRIT&DISEAS I NUTRS 561 4 CREDITS  
 Prereq: FS HN 360, FS HN 361, FS HN 367,  
 BIOL 256 AND 256L OR BIOL 306 OR BIOL 335  
 Note: CREDIT FOR ONLY TWO OF THE FOLLOWING MAY BE  
 APPLIED TOWARD GRADUATION: DIET 560, NUTRS 561,  
 NUTRS 564  
 8581005 1 TR 10:00-11:50  
 MEETS: AUG 26-DEC 20

COMMUNITY NUTRITION NUTRS 563 3 CREDITS  
 Prereq: FS HN 265 OR FS HN 360; FS HN 366  
 RECOMMENDED  
 7794005 1 TR 12:40-2:00  
 MEETS: AUG 26-DEC 20

MODERN VIEWS NUTRIT NUTRS 680 R CREDIT  
 7814005 1 W 12:10-1:00  
 MEETS: AUG 26-DEC 20  
 7814010 2 ARRANGED  
 MEETS: AUG 26-DEC 20

SPECIAL PROBLEMS NUTRS 690 VAR. CREDITS  
 6201005 1 ARRANGED  
 MEETS: AUG 26-DEC 20

GRANT PROPOSAL WRIT NUTRS 695 1 CREDIT  
 Prereq: 3 CREDITS OF GRADUATE COURSE WORK IN  
 FOOD SCIENCE AND/OR NUTRITIONAL SCIENCES  
 8561005 1 R 11:00-11:50  
 MEETS: AUG 26-DEC 20

RESRCH NUTRITNL SCI NUTRS 699 VAR. CREDITS  
 Satisfactory-Fail Only.  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

**ORGANIZATION FOR TROPICAL STUDIES**

ECO TROPICAL BIOLGY OTS 510 8 CREDITS  
 7535005 1 ARRANGED  
 MEETS: AUG 26-DEC 20

TOPICS TROPICL BIOL OTS 515 1- 8 CREDITS  
 7544005 1 ARRANGED  
 MEETS: AUG 26-DEC 20

**PERFORMING ARTS**

ISSUES PERFORM ARTS PERF 105 R CREDIT  
 Satisfactory-Fail Only.  
 3673005 1 R 3:40-5:00  
 MEETS: AUG 26-DEC 20

PERFORM ARTS INTERN PERF 310 R CREDIT  
 Satisfactory-Fail Only.  
 3677005 1 ARRANGED  
 MEETS: AUG 26-DEC 20

PERFRM ARTS SEMINAR PERF 401 2 CREDITS  
 3706005 1 T 3:40-5:00, ARRANGED  
 MEETS: AUG 26-DEC 20

## PHILOSOPHY

INTRO TO PHILOSOPHY	PHIL 201	3 CREDITS
5824005	1 MWF 10:00-10:50	
	MEETS: AUG 26-DEC 20	
5824010	2 MWF 10:00-10:50	
	MEETS: AUG 26-DEC 20	
5824015	3 MWF 11:00-11:50	
	MEETS: AUG 26-DEC 20	
5824020	4 MWF 11:00-11:50	
	MEETS: AUG 26-DEC 20	
5824025	5 TR 12:40-2:00	
	MEETS: AUG 26-DEC 20	
INTR LOGIC&SCI REAS	PHIL 206	3 CREDITS
5825005	1 MWF 11:00-11:50	
	MEETS: AUG 26-DEC 20	
5825010	2 MWF 1:10-2:00	
	MEETS: AUG 26-DEC 20	
INTR SYMBOLIC LOGIC	PHIL 207	3 CREDITS
5826005	1 TR 11:00-12:20	
	MEETS: AUG 26-DEC 20	
MORAL THEOR&PRCTICE	PHIL 230	3 CREDITS
5827005	1 TR 9:30-10:50	
	MEETS: AUG 26-DEC 20	
Note: SEC 1	RESTRICTED TO BUS COLLEGE MAJORS	
5827010	2 MWF 11:00-11:50	
	MEETS: AUG 26-DEC 20	
Note: SEC 2	RESTRICTED TO BUS COLLEGE MAJORS	
5827015	3 TR 11:00-12:15	
	MEETS: AUG 26-DEC 20	
Note: SEC 3	RESTRICTED TO BUS COLLEGE MAJORS	
5827020	4 MWF 2:10-3:00	
	MEETS: AUG 26-DEC 20	
5827025	5 TR 11:00-12:15	
	MEETS: AUG 26-DEC 20	
5827030	6 TR 2:10-3:25	
	MEETS: AUG 26-DEC 20	
Note: SEC 6	RESTRICTED TO BUS COLLEGE MAJORS	
5827035	7 TR 9:30-10:45	
	MEETS: AUG 26-DEC 20	
5827040	8 MWF 11:00-11:50	
	MEETS: AUG 26-DEC 20	
Note: SEC 8	RESTRICTED TO BUS COLLEGE MAJORS	
5827045	9 MWF 12:10-1:00	
	MEETS: AUG 26-DEC 20	
Note: SEC 9	RESTRICTED TO BUS COLLEGE MAJORS	
5827050	10 MWF 9:00-9:50	
	MEETS: AUG 26-DEC 20	
5827055	11 MWF 2:10-3:00	
	MEETS: AUG 26-DEC 20	
5827060	12 MWF 10:00-10:50	
	MEETS: AUG 26-DEC 20	
5827065	13 TR 8:00-9:20	
	MEETS: AUG 26-DEC 20	
5827070	14 MWF 11:00-11:50	
	MEETS: AUG 26-DEC 20	
Note: SEC 14	RESTRICTED TO BUS COLLEGE MAJORS	
5827075	15 MWF 9:00-9:50	
	MEETS: AUG 26-DEC 20	
Note: SEC 15	RESTRICTED TO BUS COLLEGE MAJORS	
5827080	16 MWF 10:00-10:50	
	MEETS: AUG 26-DEC 20	
Note: SEC 16	RESTRICTED TO BUS COLLEGE MAJORS	
5827085	17 MWF 1:10-2:00	
	MEETS: AUG 26-DEC 20	
Note: SEC 17	RESTRICTED TO BUS COLLEGE MAJORS	
ETH ISS DIVERSE SOC	PHIL 235	3 CREDITS
Note: Meets U.S. diversity reqmt		
4962005	1 TR 9:30-10:50	
	MEETS: AUG 26-DEC 20	
ANCIENT PHILOSOPHY	PHIL 310	3 CREDITS
Prereq: PHIL 201		
5830005	1 MWF 9:00-9:50	
	MEETS: AUG 26-DEC 20	
ETHICAL THEORY	PHIL 330	3 CREDITS
Prereq: PHIL 201 OR PHIL 230		
9628005	1 MWF 1:10-2:00	
	MEETS: AUG 26-DEC 20	
PHILOSOPHY OF LAW	PHIL 332	3 CREDITS
Prereq: PHIL 201 OR PHIL 230		
Note: Instructor permission required 1st week.		
5836005	1 TR 12:40-3:00	
	MEETS: AUG 26-DEC 20	
FEMINIST PHILOSOPHY	PHIL 338	3 CREDITS
Prereq: 3 CR IN PHIL OR WOMEN'S STUDIES RECOMMND		
Note: Meets U.S. diversity reqmt		
4682005	1 W 3:10-5:00	
	MEETS: AUG 26-DEC 20	

## PHILOSOPHY

(CONTINUED)

LIBERTY&LAW IN AMER	PHIL 339	3 CREDITS
Prereq: SOPHOMORE CLASSIFICATION		
9805005	1 MWF 9:00-9:50	
	MEETS: AUG 26-DEC 20	
AESTHETICS	PHIL 340	3 CREDITS
Prereq: PHIL 201 OR PHIL 230		
5838005	1 MWF 10:00-10:50	
	MEETS: AUG 26-DEC 20	
PHIL OF TECHNOLOGY	PHIL 343	3 CREDITS
Prereq: 6 CREDITS OF SOCIAL SCIENCE, OR T SC 341		
AND 3 CREDITS OF SOCIAL SCIENCE		
7343005	1 TR 12:40-2:00	
	MEETS: AUG 26-DEC 20	
7343010	2 MWF 1:10-2:00	
	MEETS: AUG 26-DEC 20	
7343015	3 MWF 12:10-1:00	
	MEETS: AUG 26-DEC 20	
METAPHYS SCI FI&POP	PHIL 363X	3 CREDITS
Prereq: PHIL 201		
0194005	1 TR 12:40-2:00	
	MEETS: AUG 26-DEC 20	
TRUTH,BELIEF&REASON	PHIL 366	3 CREDITS
Prereq: 6 CREDITS IN PHILOSOPHY INCLUDING		
PHIL 201, OR PERMISSION OF INSTRUCTOR		
6256005	1 MWF 1:10-2:00	
	MEETS: AUG 26-DEC 20	
BRAINS,MINDS&CMPTRS	PHIL 465	3 CREDITS
Prereq: 6 CREDITS IN PHILOSOPHY		
5845005	1 M 4:10-6:40PM	
	MEETS: AUG 26-DEC 20	
INDEPENDENT STUDY	PHIL 490	1- 4 CREDITS
Prereq: 6 CREDITS IN PHIL, PERMISSION OF		
INSTRUCTOR; APPROVAL OF CHAIR		
Note: NO MORE THAN 9 CREDITS OF PHIL 490 MAY BE		
APPLIED TOWARD GRADUATION		
*****	SEE DEPT FOR REFERENCE NUMBERS	
INDEP STUDY HONORS	PHIL 490H	1- 4 CREDITS
Prereq: 6 CREDITS IN PHIL, PERMISSION OF INSTR,		
APPROVAL OF CHAIR, MEMBERSHIP IN UNIV HONORS PROGRAM		
Note: NO MORE THAN 9 CREDITS OF PHIL 490 MAY BE		
APPLIED TOWARD GRADUATION. RESTRICTED TO MEMBERS OF		
THE UNIVERSITY HONORS PROGRAM ONLY.		
*****	SEE DEPT FOR REFERENCE NUMBERS	
GRADUATNG SR SURVEY	PHIL 492	R CREDIT
Note: COURSE RESTRICTED TO PHIL SENIORS GRADUATING		
FALL 2016		
Satisfactory-Fail Only.		
3891005	1 ARRANGED	
	MEETS: AUG 26-DEC 20	
SPCL TOPC HISTORY P	PHIL 590A	2- 4 CREDITS
Prereq: INSTRUCTOR PERMISSION, 9 CR IN PHIL		
5850005	1 ARRANGED	
	MEETS: AUG 26-DEC 20	
SPL TOP EPIS&METAPH	PHIL 590B	2- 4 CREDITS
Prereq: INSTRUCTOR PERMISSION, 9 CR IN PHIL		
5851005	1 ARRANGED	
	MEETS: AUG 26-DEC 20	
SPL TOP VALUE THRY	PHIL 590C	2- 4 CREDITS
Prereq: INSTRUCTOR PERMISSION, 9 CR IN PHIL		
Note: Instructor permission required.		
5852005	1 ARRANGED	
	MEETS: AUG 26-DEC 20	
SPL TOP LOGIC&P SCI	PHIL 590D	2- 4 CREDITS
Prereq: INSTRUCTOR PERMISSION, 9 CR IN PHIL		
5853005	1 ARRANGED	
	MEETS: AUG 26-DEC 20	

## PHYSICS

INTRO PHYSICS PREP	PHYS 50	0 CREDITS
Prereq: 1 YEAR HIGH SCHOOL ALGEBRA		
1282005	1 TR 9:30-10:50	
	MEETS: AUG 26-DEC 20	
1282010	2 TR 3:40-5:00	
	WF 4:10-5:00	
	MEETS: OCT 21-DEC 20	
PHYS FOR NON-SCIEN	PHYS 101	3 CREDITS
5855005	1 TR 12:40-2:00	
	MEETS: AUG 26-DEC 20	
GENERAL PHYSICS	PHYS 111	5 CREDITS
Prereq: 1 AND 1/2 YRS OF HS ALGEBRA, 1 YR OF		
GEOMETRY, 1 SEMESTER OF TRIGONOMETRY		
Note: 2-PART COURSE. REGISTER FOR NUMBERED SECTION		
FIRST AND THEN LETTERED SECTION. STUDENTS WHO DON'T		
REGISTER FOR BOTH PARTS OF THE COURSE SHOULD DROP		
THE COURSE DUE TO INCOMPLETE REGISTRATION.		
Night exams scheduled. For dates go to		
<a href="http://www.registrar.iastate.edu/students/exams/night-exams">http://www.registrar.iastate.edu/students/exams/night-exams</a> .		

PHYSICS

(CONTINUED)

PHYSICS

(CONTINUED)

GENERAL PHYSICS PHYS 111 5 CREDITS

- 5857205 1 TR 9:30-10:50  
F 8:00-8:50  
MEETS: AUG 26-DEC 20
- 5857210 2 TR 9:30-10:50  
F 9:00-9:50  
MEETS: AUG 26-DEC 20
- 5857215 3 TR 9:30-10:50  
F 10:00-10:50  
MEETS: AUG 26-DEC 20
- 5857220 4 TR 9:30-10:50  
F 11:00-11:50  
MEETS: AUG 26-DEC 20
- 5857225 5 TR 9:30-10:50  
F 12:10-1:00  
MEETS: AUG 26-DEC 20
- 5857230 6 TR 9:30-10:50  
F 1:10-2:00  
MEETS: AUG 26-DEC 20
- 5857235 7 TR 9:30-10:50  
F 2:10-3:00  
MEETS: AUG 26-DEC 20
- 5857245 8 TR 9:30-10:50  
F 3:10-4:00  
MEETS: AUG 26-DEC 20
- 5857246 9 TR 9:30-10:50  
F 4:10-5:00  
MEETS: AUG 26-DEC 20
- 5857250 10 TR 11:00-12:20  
F 8:00-8:50  
MEETS: AUG 26-DEC 20
- 5857255 11 TR 11:00-12:20  
F 9:00-9:50  
MEETS: AUG 26-DEC 20
- 5857260 12 TR 11:00-12:20  
F 10:00-10:50  
MEETS: AUG 26-DEC 20
- 5857265 13 TR 11:00-12:20  
F 11:00-11:50  
MEETS: AUG 26-DEC 20
- 5857270 14 TR 11:00-12:20  
F 12:10-1:00  
MEETS: AUG 26-DEC 20
- 5857275 15 TR 11:00-12:20  
F 1:10-2:00  
MEETS: AUG 26-DEC 20
- 5857280 16 TR 11:00-12:20  
F 2:10-3:00  
MEETS: AUG 26-DEC 20
- 5857285 17 TR 11:00-12:20  
F 3:10-4:00  
MEETS: AUG 26-DEC 20
- 5857070 A T 9:00-10:50  
MEETS: AUG 26-DEC 20
- 5857075 B T 12:10-2:00  
MEETS: AUG 26-DEC 20
- 5857080 C T 2:10-4:00  
MEETS: AUG 26-DEC 20
- 5857085 D T 4:10-6:00PM  
MEETS: AUG 26-DEC 20
- 5857090 E W 8:00-9:50  
MEETS: AUG 26-DEC 20
- 5857100 G W 10:00-11:50  
MEETS: AUG 26-DEC 20
- 5857110 J W 2:10-4:00  
MEETS: AUG 26-DEC 20
- 5857115 K W 4:10-6:00PM  
MEETS: AUG 26-DEC 20
- 5857120 L R 8:00-9:50  
MEETS: AUG 26-DEC 20
- 5857125 M R 12:10-2:00  
MEETS: AUG 26-DEC 20
- 5857130 N R 2:10-4:00  
MEETS: AUG 26-DEC 20
- 5857135 P R 4:10-6:00PM  
MEETS: AUG 26-DEC 20
- 5857140 Q F 8:00-9:50  
MEETS: AUG 26-DEC 20
- 5857145 R F 10:00-11:50  
MEETS: AUG 26-DEC 20

Note: DO NOT SIGN UP FOR LAB ON FRIDAY WHICH CONFLICTS WITH YOUR RECITATION

5857150 T F 12:10-2:00  
MEETS: AUG 26-DEC 20

Note: DO NOT SIGN UP FOR LAB ON FRIDAY WHICH CONFLICTS WITH YOUR RECITATION

5857155 U W 6:10-8:00PM  
MEETS: AUG 26-DEC 20

5857160 V R 6:10-8:00PM  
MEETS: AUG 26-DEC 20

5857170 LW ARRANGED  
MEETS: AUG 26-DEC 20

Note: SEC LW IS ONLY FOR STUDENTS WHO ALREADY COMPLETED THIS COURSE'S LABS IN THE PAST. STUDENTS MUST APPLY FOR LAB WAIVER ON CANVAS IN THE FIRST WEEK OF CLASSES.

GENERAL PHYSICS PHYS 112 5 CREDITS

Prereq: PHYS 111  
Note: 2-PART COURSE. REGISTER FOR NUMBERED SECTION FIRST AND THEN LETTERED SECTION. STUDENTS WHO DON'T REGISTER FOR BOTH PARTS OF THE COURSE SHOULD DROP THE COURSE DUE TO INCOMPLETE REGISTRATION.

- 5858005 1 MWF 12:10-1:00  
R 8:00-8:50  
MEETS: AUG 26-DEC 20
- 5858010 2 MWF 12:10-1:00  
R 9:00-9:50  
MEETS: AUG 26-DEC 20
- 5858015 3 MWF 12:10-1:00  
R 10:00-10:50  
MEETS: AUG 26-DEC 20
- 5858020 4 MWF 12:10-1:00  
R 11:00-11:50  
MEETS: AUG 26-DEC 20
- 5858022 5 MWF 12:10-1:00  
R 12:10-1:00  
MEETS: AUG 26-DEC 20
- 5858023 6 MWF 12:10-1:00  
R 1:10-2:00  
MEETS: AUG 26-DEC 20
- 5858024 7 MWF 12:10-1:00  
R 2:10-3:00  
MEETS: AUG 26-DEC 20
- 5858026 8 MWF 12:10-1:00  
R 3:10-4:00  
MEETS: AUG 26-DEC 20
- 5858025 A T 8:00-9:50  
MEETS: AUG 26-DEC 20
- 5858030 B T 10:00-11:50  
MEETS: AUG 26-DEC 20
- 5858035 C T 12:10-2:00  
MEETS: AUG 26-DEC 20
- 5858040 D T 2:10-4:00  
MEETS: AUG 26-DEC 20
- 5858045 E T 4:10-6:00PM  
MEETS: AUG 26-DEC 20
- 5858050 F W 8:00-9:50  
MEETS: AUG 26-DEC 20
- 5858055 G W 10:00-11:50  
MEETS: AUG 26-DEC 20
- 5858060 H W 2:10-4:00  
MEETS: AUG 26-DEC 20
- 5858080 LW ARRANGED  
MEETS: AUG 26-DEC 20

Note: SEC LW IS ONLY FOR STUDENTS WHO ALREADY COMPLETED THIS COURSE'S LABS IN THE PAST. STUDENTS MUST APPLY FOR LAB WAIVER ON BLACKBOARD IN THE FIRST WEEK OF CLASSES.

PHYSICS FOR LIFE SCI PHYS 115 4 CREDITS

Prereq: 1 1/2 YRS HIGH SCHOOL ALGEBRA, 1 YEAR H.S. GEOMETRY, 1 SEMESTER H.S. TRIGONOMETRY

- 9212005 1 TR 2:10-3:30  
W 9:00-9:50  
MEETS: AUG 26-DEC 20
- 9212010 2 TR 2:10-3:30  
W 10:00-10:50  
MEETS: AUG 26-DEC 20
- 9212015 3 TR 2:10-3:30  
W 11:00-11:50  
MEETS: AUG 26-DEC 20
- 9212020 4 TR 2:10-3:30  
W 12:10-1:00  
MEETS: AUG 26-DEC 20
- 9212025 5 TR 2:10-3:30  
W 1:10-2:00  
MEETS: AUG 26-DEC 20
- 9212030 6 TR 2:10-3:30  
W 2:10-3:00  
MEETS: AUG 26-DEC 20
- 9212035 7 TR 2:10-3:30  
W 3:10-4:00  
MEETS: AUG 26-DEC 20
- 9212040 8 TR 2:10-3:30  
W 4:10-5:00  
MEETS: AUG 26-DEC 20
- 9212045 9 TR 2:10-3:30  
W 2:10-3:00  
MEETS: AUG 26-DEC 20

LAB PHYS FOR LF SCI PHYS 115L 1 CREDIT

Prereq: CREDIT OR ENROLLMENT IN PHYS 115

- 9252005 1 R 8:00-9:50  
MEETS: AUG 26-DEC 20
- 9252010 2 R 10:00-11:50  
MEETS: AUG 26-DEC 20
- 9252015 3 R 12:10-2:00  
MEETS: AUG 26-DEC 20
- 9252020 4 R 3:40-5:30  
MEETS: AUG 26-DEC 20
- 9252025 5 F 8:00-9:50  
MEETS: AUG 26-DEC 20
- 9252030 6 F 10:00-11:50  
MEETS: AUG 26-DEC 20
- 9252035 7 F 12:10-2:00  
MEETS: AUG 26-DEC 20



PHYSICS

(CONTINUED)

PHYSICS OF MUSIC PHYS 198 3 CREDITS  
 5859005 1 TR 11:00-11:50  
 R 2:10-4:00  
 MEETS: AUG 26-DEC 20  
 5859010 2 TR 11:00-11:50  
 R 4:10-6:00PM  
 MEETS: AUG 26-DEC 20  
 5859015 3 TR 11:00-11:50  
 F 10:00-11:50  
 MEETS: AUG 26-DEC 20  
 5859020 4 TR 11:00-11:50  
 F 12:10-2:00  
 MEETS: AUG 26-DEC 20

INTRODUCTRY SEMINAR PHYS 199 R CREDIT  
 Satisfactory-Fail Only.  
 7305005 1 T 3:10-5:00  
 W 4:10-5:00  
 MEETS: AUG 26-DEC 20

INTR CLASSCL PHYS I PHYS 221 5 CREDITS  
 Prereq: CREDIT OR ENROLLMENT IN MATH 166  
 Note: 2-PART COURSE. ALL STUDENTS MUST REGISTER FOR  
 A NUMBERED SECTION (LECTURE) & LETTERED SECTION (LAB)  
 STUDENTS WHO ARE REPEATING PHYS 221 SHOULD REGISTER  
 FOR THE LW (LAB WAIVER) SECTION.  
 Night exams scheduled. For dates go to  
[http://www.registrar.iastate.edu/students/exams/  
 night-exams](http://www.registrar.iastate.edu/students/exams/night-exams).

5861005 1 MWF 8:00-8:50  
 TR 8:00-8:50  
 MEETS: AUG 26-DEC 20  
 5861010 2 MWF 8:00-8:50  
 TR 9:00-9:50  
 MEETS: AUG 26-DEC 20  
 5861015 3 MWF 8:00-8:50  
 TR 10:00-10:50  
 MEETS: AUG 26-DEC 20  
 5861020 4 MWF 8:00-8:50  
 TR 11:00-11:50  
 MEETS: AUG 26-DEC 20  
 5861025 5 MWF 8:00-8:50  
 TR 12:10-1:00  
 MEETS: AUG 26-DEC 20  
 5861030 6 MWF 8:00-8:50  
 TR 1:10-2:00  
 MEETS: AUG 26-DEC 20  
 5861035 7 MWF 8:00-8:50  
 TR 2:10-3:00  
 MEETS: AUG 26-DEC 20  
 5861040 8 MWF 8:00-8:50  
 TR 3:10-4:00  
 MEETS: AUG 26-DEC 20  
 5861045 9 MWF 8:00-8:50  
 TR 4:10-5:00  
 MEETS: AUG 26-DEC 20  
 5861070 10 MWF 9:00-9:50  
 TR 8:00-8:50  
 MEETS: AUG 26-DEC 20  
 5861075 11 MWF 9:00-9:50  
 TR 9:00-9:50  
 MEETS: AUG 26-DEC 20  
 5861080 12 MWF 9:00-9:50  
 TR 10:00-10:50  
 MEETS: AUG 26-DEC 20  
 5861085 13 MWF 9:00-9:50  
 TR 11:00-11:50  
 MEETS: AUG 26-DEC 20  
 5861090 14 MWF 9:00-9:50  
 TR 12:10-1:00  
 MEETS: AUG 26-DEC 20  
 5861095 15 MWF 9:00-9:50  
 TR 1:10-2:00  
 MEETS: AUG 26-DEC 20  
 5861100 16 MWF 9:00-9:50  
 TR 2:10-3:00  
 MEETS: AUG 26-DEC 20  
 5861105 17 MWF 9:00-9:50  
 TR 3:10-4:00  
 MEETS: AUG 26-DEC 20  
 5861110 18 MWF 9:00-9:50  
 TR 4:10-5:00  
 MEETS: AUG 26-DEC 20  
 5861115 20 MWF 10:00-10:50  
 TR 8:00-8:50  
 MEETS: AUG 26-DEC 20  
 5861120 21 MWF 10:00-10:50  
 TR 9:00-9:50  
 MEETS: AUG 26-DEC 20  
 5861125 22 MWF 10:00-10:50  
 TR 10:00-10:50  
 MEETS: AUG 26-DEC 20  
 5861130 23 MWF 10:00-10:50  
 TR 11:00-11:50  
 MEETS: AUG 26-DEC 20  
 5861135 24 MWF 10:00-10:50  
 TR 12:10-1:00  
 MEETS: AUG 26-DEC 20  
 Note: SEC 24 RESTRICTED TO PHYSICS MAJORS ONLY  
 5861140 25 MWF 10:00-10:50  
 TR 1:10-2:00  
 MEETS: AUG 26-DEC 20  
 5861145 26 MWF 10:00-10:50  
 TR 2:10-3:00  
 MEETS: AUG 26-DEC 20

PHYSICS

(CONTINUED)

INTR CLASSCL PHYS I PHYS 221 5 CREDITS  
 5861150 27 MWF 10:00-10:50  
 TR 3:10-4:00  
 MEETS: AUG 26-DEC 20  
 5861155 28 MWF 10:00-10:50  
 TR 4:10-5:00  
 MEETS: AUG 26-DEC 20  
 5861200 A M 8:00-9:50  
 MEETS: AUG 26-DEC 20  
 5861205 B M 10:00-11:50  
 MEETS: AUG 26-DEC 20  
 5861210 C M 12:10-2:00  
 MEETS: AUG 26-DEC 20  
 5861215 D M 2:10-4:00  
 MEETS: AUG 26-DEC 20  
 5861220 E M 4:10-6:00PM  
 MEETS: AUG 26-DEC 20  
 5861225 F T 8:00-9:50  
 MEETS: AUG 26-DEC 20  
 5861230 G T 10:00-11:50  
 MEETS: AUG 26-DEC 20  
 5861240 J T 12:10-2:00  
 MEETS: AUG 26-DEC 20  
 5861245 K T 2:10-4:00  
 MEETS: AUG 26-DEC 20  
 5861250 L T 4:10-6:00PM  
 MEETS: AUG 26-DEC 20  
 5861255 M W 8:00-9:50  
 MEETS: AUG 26-DEC 20  
 5861260 N W 10:00-11:50  
 MEETS: AUG 26-DEC 20  
 5861265 P W 12:10-2:00  
 MEETS: AUG 26-DEC 20  
 5861270 Q W 2:10-4:00  
 MEETS: AUG 26-DEC 20  
 5861275 R W 4:10-6:00PM  
 MEETS: AUG 26-DEC 20  
 5861280 T W 10:00-11:50  
 MEETS: AUG 26-DEC 20  
 5861285 U W 12:10-2:00  
 MEETS: AUG 26-DEC 20  
 Note: SEC U RESTRICTED TO PHYSICS MAJORS ONLY  
 5861290 V W 2:10-4:00  
 MEETS: AUG 26-DEC 20  
 5861295 W W 4:10-6:00PM  
 MEETS: AUG 26-DEC 20  
 5861300 X R 8:00-9:50  
 MEETS: AUG 26-DEC 20  
 Note: SEC X LAB DOES NOT MEET DURING THE SAME WEEKS  
 AS THURSDAY DISCUSSIONS (ON SEC 1-38) SO WHAT APPEARS  
 TO BE A POTENTIAL SCHEDULE CONFLICT IS NOT  
 5861305 Y R 10:00-11:50  
 MEETS: AUG 26-DEC 20  
 Note: SEC Y LAB DOES NOT MEET DURING THE SAME WEEKS  
 AS THURSDAY DISCUSSIONS (ON SEC 1-38) SO WHAT APPEARS  
 TO BE A POTENTIAL SCHEDULE CONFLICT IS NOT  
 5861310 Z R 12:10-2:00  
 MEETS: AUG 26-DEC 20  
 Note: SEC Z LAB DOES NOT MEET DURING THE SAME WEEKS  
 AS THURSDAY DISCUSSIONS (ON SEC 1-38) SO WHAT APPEARS  
 TO BE A POTENTIAL SCHEDULE CONFLICT IS NOT  
 5861315 AA R 2:10-4:00  
 MEETS: AUG 26-DEC 20  
 Note: SEC AA LAB DOES NOT MEET DURING THE SAME WEEKS  
 AS THURSDAY DISCUSSIONS SO WHAT APPEARS  
 TO BE A POTENTIAL SCHEDULE CONFLICT IS NOT  
 5861320 AB R 4:10-6:00PM  
 MEETS: AUG 26-DEC 20  
 Note: SEC AB LAB DOES NOT MEET DURING THE SAME WEEKS  
 AS THURSDAY DISCUSSIONS SO WHAT APPEARS  
 TO BE A POTENTIAL SCHEDULE CONFLICT IS NOT  
 5861325 AC R 10:00-11:50  
 MEETS: AUG 26-DEC 20  
 Note: DO NOT ENROLL IN A THURSDAY DISCUSSION  
 THAT MEETS AT THE SAME TIME AS THIS LAB  
 5861330 AD R 12:10-2:00  
 MEETS: AUG 26-DEC 20  
 Note: DO NOT ENROLL IN A THURSDAY DISCUSSION  
 THAT MEETS AT THE SAME TIME AS THIS LAB  
 5861335 AE F 8:00-9:50  
 MEETS: AUG 26-DEC 20  
 5861345 AF F 10:00-11:50  
 MEETS: AUG 26-DEC 20  
 5861350 AG F 12:10-2:00  
 MEETS: AUG 26-DEC 20  
 5861360 AJ F 2:10-4:00  
 MEETS: AUG 26-DEC 20  
 5861365 AK M 6:10-8:00PM  
 MEETS: AUG 26-DEC 20  
 5861370 AL T 6:10-8:00PM  
 MEETS: AUG 26-DEC 20  
 5861340 LW ARRANGED  
 MEETS: AUG 26-DEC 20  
 Note: SEC LW IS ONLY FOR STUDENTS WHO ALREADY  
 COMPLETED THIS COURSE'S LABS IN THE PAST. STUDENTS  
 MUST APPLY FOR LAB WAIVER ON CANVAS IN THE  
 FIRST WEEK OF CLASSES.

## PHYSICS

(CONTINUED)

HONORS-CLASSIC PH I PHYS 221H 5 CREDITS  
Prereq: PROFICIENCY IN ALGEBRA, TRIGONOMETRY,  
VECTOR MANIPULATION, AND TOPICS COVERED IN MATH 165.  
CREDIT OR ENROLLMENT IN MATH 166.  
Note: 2-PART COURSE. REGISTER FOR THE LECTURE SEC  
(SEC H1) FIRST AND THEN THE LAB SECTION (SEC  
HA). STUDENTS WHO DON'T REGISTER FOR BOTH THE LECTURE  
AND THE LAB SHOULD DROP THE COURSE DUE TO  
INCOMPLETE REGISTRATION. COURSE RESTRICTED TO MEMBERS  
OF THE UNIVERSITY HONORS PROGRAM.  
Night exams scheduled. For dates go to  
[http://www.registrar.iastate.edu/students/exams/  
night-exams](http://www.registrar.iastate.edu/students/exams/night-exams).

5862005 H1 MWF 10:00-10:50  
TR 12:10-1:00  
MEETS: AUG 26-DEC 20

Note: THE THURSDAY DISCUSSION MEETS ALTERNATE WEEKS

5862010 HA W 12:10-2:00  
MEETS: AUG 26-DEC 20

Note: LAB DOES NOT MEET EVERY WEEK

INTR CLASSC PHYS II PHYS 222 5 CREDITS  
Prereq: PHYS 221 OR PHYS 241, MATH 166  
Note: 2-PART COURSE. ALL STUDENTS MUST REGISTER FOR  
A NUMBERED SEC (LECTURE) & LETTERED SEC (LAB)  
STUDENTS WHO ARE REPEATING PHYS 222 SHOULD REGISTER  
FOR THE LW (LAB WAIVER) SEC.  
Night exams scheduled. For dates go to  
[http://www.registrar.iastate.edu/students/exams/  
night-exams](http://www.registrar.iastate.edu/students/exams/night-exams).

5863005 1 MWF 1:10-2:00  
T 8:00-8:50  
MEETS: AUG 26-DEC 20

5863010 2 MWF 1:10-2:00  
T 9:00-9:50  
MEETS: AUG 26-DEC 20

5863015 3 MWF 1:10-2:00  
T 10:00-10:50  
MEETS: AUG 26-DEC 20

5863020 4 MWF 1:10-2:00  
T 11:00-11:50  
MEETS: AUG 26-DEC 20

5863025 5 MWF 1:10-2:00  
T 12:10-1:00  
MEETS: AUG 26-DEC 20

5863030 6 MWF 1:10-2:00  
T 1:10-2:00  
MEETS: AUG 26-DEC 20

5863035 7 MWF 1:10-2:00  
T 2:10-3:00  
MEETS: AUG 26-DEC 20

5863040 8 MWF 1:10-2:00  
T 3:10-4:00  
MEETS: AUG 26-DEC 20

5863045 9 MWF 1:10-2:00  
T 4:10-5:00  
MEETS: AUG 26-DEC 20

5863065 10 MWF 1:10-2:00  
T 11:00-11:50  
MEETS: AUG 26-DEC 20

Note: SEC 10 RESTRICTED TO PHYSICS MAJORS ONLY

5863070 11 MWF 3:10-4:00  
T 8:00-8:50  
MEETS: AUG 26-DEC 20

Note: SEC 11 RESTRICTED TO PHYSICS MAJORS ONLY

5863075 12 MWF 3:10-4:00  
T 9:00-9:50  
MEETS: AUG 26-DEC 20

5863080 13 MWF 3:10-4:00  
T 11:00-11:50  
MEETS: AUG 26-DEC 20

5863085 14 MWF 3:10-4:00  
T 12:10-1:00  
MEETS: AUG 26-DEC 20

5863090 15 MWF 3:10-4:00  
T 1:10-2:00  
MEETS: AUG 26-DEC 20

5863095 16 MWF 3:10-4:00  
T 2:10-3:00  
MEETS: AUG 26-DEC 20

5863100 17 MWF 3:10-4:00  
T 3:10-4:00  
MEETS: AUG 26-DEC 20

5863105 18 MWF 3:10-4:00  
T 4:10-5:00  
MEETS: AUG 26-DEC 20

5863200 A T 8:00-9:50  
MEETS: AUG 26-DEC 20

5863205 B T 10:00-11:50  
MEETS: AUG 26-DEC 20

5863210 C T 12:10-2:00  
MEETS: AUG 26-DEC 20

5863215 D T 2:10-4:00  
MEETS: AUG 26-DEC 20

5863220 E T 4:10-6:00PM  
MEETS: AUG 26-DEC 20

5863225 F W 8:00-9:50  
MEETS: AUG 26-DEC 20

5863230 G W 10:00-11:50  
MEETS: AUG 26-DEC 20

5863235 J W 12:10-2:00  
MEETS: AUG 26-DEC 20

5863240 K W 2:10-4:00  
MEETS: AUG 26-DEC 20

5863245 L W 4:10-6:00PM  
MEETS: AUG 26-DEC 20

## PHYSICS

(CONTINUED)

INTR CLASSC PHYS II PHYS 222 5 CREDITS

5863250 M R 8:00-9:50  
MEETS: AUG 26-DEC 20

5863255 N R 10:00-11:50  
MEETS: AUG 26-DEC 20

5863260 P R 12:10-2:00  
MEETS: AUG 26-DEC 20

5863265 Q R 2:10-4:00  
MEETS: AUG 26-DEC 20

5863270 R R 4:10-6:00PM  
MEETS: AUG 26-DEC 20

5863275 T F 8:00-9:50  
MEETS: AUG 26-DEC 20

5863280 U F 10:00-11:50  
MEETS: AUG 26-DEC 20

5863285 V F 12:10-2:00  
MEETS: AUG 26-DEC 20

5863300 Y F 2:10-4:00  
MEETS: AUG 26-DEC 20

5863305 Z F 10:00-11:50  
MEETS: AUG 26-DEC 20

5863310 AA TF 6:10-8:00PM  
MEETS: AUG 26-DEC 20

5863315 AB W 6:10-8:00PM  
MEETS: AUG 26-DEC 20

5863320 AC W 10:00-11:50  
MEETS: AUG 26-DEC 20

Note: SEC AC RESTRICTED TO PHYSICS MAJORS ONLY

5863325 AD W 10:00-11:50  
MEETS: AUG 26-DEC 20

Note: SEC AD RESTRICTED TO PHYSICS MAJORS ONLY

5863400 LW ARRANGED  
MEETS: AUG 26-DEC 20

Note: SEC LW IS ONLY FOR STUDENTS WHO ALREADY  
COMPLETED THIS COURSE'S LABS IN THE PAST. STUDENTS  
MUST APPLY FOR LAB WAIVER ON CANVAS IN THE  
FIRST WEEK OF CLASSES.

HONORS-CLASS PHY II PHYS 222H 5 CREDITS  
Prereq: PHYS 221 OR PHYS 241, MATH 166.  
MEMBERSHIP IN UNIVERSITY HONORS PROGRAM.  
Note: 2-PART COURSE. REGISTER FOR A LECTURE SEC  
FIRST (NUMBERED SEC H1 OR H2) AND THEN A LAB  
SEC (LETTERED SEC HA OR HB). STUDENTS WHO  
DON'T REGISTER FOR BOTH PARTS OF THE COURSE SHOULD  
DROP THE COURSE DUE TO INCOMPLETE REGISTRATION.  
RESTRICTED TO MEMBERS OF THE UNIVERSITY  
HONORS PROGRAM.  
Night exams scheduled. For dates go to  
[http://www.registrar.iastate.edu/students/exams/  
night-exams](http://www.registrar.iastate.edu/students/exams/night-exams).

5864005 H1 MWF 1:10-2:00  
T 11:00-11:50  
MEETS: AUG 26-DEC 20

5864010 H2 MWF 3:10-4:00  
T 3:10-4:00  
MEETS: AUG 26-DEC 20

5864025 HA W 10:00-11:50  
MEETS: AUG 26-DEC 20

5864030 HB R 2:10-4:00  
MEETS: AUG 26-DEC 20

PRIN&SYMME CLS PH I PHYS 241 5 CREDITS  
Prereq: CREDIT OR ENROLLMENT IN MATH 166 OR 166H  
Note: 2-PART COURSE. REGISTER FOR A LECTURE SEC  
(NUMBERED SEC 1-3) FIRST AND THEN A LAB SEC  
(LETTERED SEC A-C). STUDENTS WHO DON'T REGISTER  
FOR BOTH LECTURE AND LAB WILL BE DROPPED FROM THE  
COURSE DUE TO INCOMPLETE REGISTRATION. COURSE FOR  
PHYS MAJORS AND OTHER STUDENTS WHO HAD A STRONG  
PHYSICS PREP PROGRAM.

5994005 1 MWF 1:10-2:00  
TR 11:00-11:50  
MEETS: AUG 26-DEC 20

5994010 2 MWF 1:10-2:00  
TR 1:10-2:00  
MEETS: AUG 26-DEC 20

5994015 A R 4:10-6:00PM  
MEETS: AUG 26-DEC 20

5994020 B R 2:10-4:00  
MEETS: AUG 26-DEC 20

PRIN&SYMME CLS PH I PHYS 241H 5 CREDITS  
Prereq: PROFICIENCY IN ALGEBRA, TRIGONOMETRY,  
VECTOR MANIPULATION, AND TOPICS COVERED IN MATH 165.  
CREDIT OR ENROLLMENT IN MATH 166.  
Note: 2-PART COURSE. REGISTER FOR A LECTURE SEC  
(NUMBERED SEC 1-2) FIRST AND THEN A LAB SEC  
(LETTERED SEC A-C). STUDENTS WHO DON'T REGISTER  
FOR BOTH LECTURE AND LAB WILL BE DROPPED FROM THE  
COURSE DUE TO INCOMPLETE REGISTRATION. COURSE  
RESTRICTED TO STUDENTS WHO ARE MEMBERS OF THE  
UNIVERSITY HONORS PROGRAM.

9402005 1 MWF 1:10-2:00  
TR 11:00-11:50  
MEETS: AUG 26-DEC 20

9402010 2 MWF 1:10-2:00  
TR 1:10-2:00  
MEETS: AUG 26-DEC 20

9402015 A R 4:10-6:00PM  
MEETS: AUG 26-DEC 20

9402020 B R 2:10-4:00  
MEETS: AUG 26-DEC 20

## PHYSICS

(CONTINUED)

INDEPENDENT STUDY PHYS 290 1- 4 CREDITS  
Prereq: PERMISSION OF INSTRUCTOR  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

COOPERATIVE EDUCATN PHYS 298 R CREDIT  
Prereq: PERMISSION OF THE DEPARTMENT COOPERATIVE  
EDUCATION COORDINATOR; SOPHOMORE CLASSIFICATION  
4737005 1 ARRANGED  
MEETS: AUG 26-DEC 20

ELEC INSTRUMENTATN PHYS 310 4 CREDITS  
Prereq: PHYS 222 OR PHYS 242; MATH 166  
8182005 1 TR 11:00-11:50  
TR 2:10-4:00  
MEETS: AUG 26-DEC 20

INTR MODRN PHYSICS I PHYS 321 3 CREDITS  
Prereq: PHYS 222 OR PHYS 242, CREDIT OR  
ENROLLMENT IN MATH 266 OR MATH 267  
5874005 1 TR 9:30-10:50  
MEETS: AUG 26-DEC 20

INTR MOD PHYS LAB I PHYS 321L 1 CREDIT  
Prereq: CREDIT OR ENROLLMENT IN PHYS 321  
5875005 1 M 2:10-4:00  
MEETS: AUG 26-DEC 20  
5875010 2 T 2:10-4:00  
MEETS: AUG 26-DEC 20  
5875015 3 W 2:10-4:00  
MEETS: AUG 26-DEC 20  
5875020 4 M 12:10-2:00  
MEETS: AUG 26-DEC 20

INTERMED MECHANICS PHYS 362 3 CREDITS  
Prereq: PHYS 361  
5881005 1 TR 12:40-2:00  
MEETS: AUG 26-DEC 20

ELECTR & MAGNETSM I PHYS 364 3 CREDITS  
Prereq: PHYS 222 OR PHYS 242, MATH 266 OR MATH  
267  
5882005 1 MWF 10:00-10:50  
MEETS: AUG 26-DEC 20

COOPERATIVE EDUCATN PHYS 398 R CREDIT  
Prereq: PERMISSION OF THE DEPARTMENT COOPERATIVE  
EDUCATION COORDINATOR; JUNIOR CLASSIFICATION  
4745005 1 ARRANGED  
MEETS: AUG 26-DEC 20

SEM SEC SCHOOL PHYS PHYS 399 1- 2 CREDITS  
Prereq: PERMISSION OF INSTRUCTOR  
5886005 1 ARRANGED  
MEETS: AUG 26-DEC 20

ULTRFAST LASER&SPCT PHYS 421 3 CREDITS  
Prereq: PHYS 321, PHYS 365, OR EQUIVALENT WITH  
PERMISSION OF INSTRUCTOR  
9359005 1 MWF 2:10-3:00  
MEETS: AUG 26-DEC 20

UNDERGRAD RESEARCH PHYS 450 1- 6 CREDITS  
Prereq: PERMISSION OF INSTRUCTOR  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

UNDERGRAD RESEARCH PHYS 450L 1- 6 CREDITS  
Prereq: PHYS 311, PERMISSION OF INSTRUCTOR  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

PHYS OF BIOMOLECULE PHYS 461 3 CREDITS  
Prereq: PHYS 304 OR CHEM 325, BBMB 301, OR  
PERMISSION OF INSTRUCTOR  
9424005 1 TR 11:00-12:20  
MEETS: AUG 26-DEC 20

APPLIED PHYSICS LAB PHYS 470L 2- 5 CREDITS  
Prereq: PHYS 322 AND PERMISSION OF INSTRUCTOR  
3161005 1 ARRANGED  
MEETS: AUG 26-DEC 20

QUANTUM MECHANICS I PHYS 480 3 CREDITS  
Prereq: PHYS 322, MATH 385  
5890005 1 TR 8:00-9:20  
MEETS: AUG 26-DEC 20

INDEPENDENT STUDY PHYS 490 1- 4 CREDITS  
Prereq: 6 CREDITS IN PHYS, PERMISSN OF INSTRUCTOR  
Note: NO MORE THAN 9 CREDITS OF PHYS 490 MAY BE  
APPLIED TOWARD GRADUATION  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

INDEP STUDY HONORS PHYS 490H 1- 4 CREDITS  
Prereq: 6 CREDITS IN PHYS, PERMISSN OF INSTRUCTOR  
MEMBERSHIP IN UNIVERSITY HONORS PROGRAM  
Note: NO MORE THAN 9 CREDITS OF PHYS 490 MAY BE  
APPLIED TOWARD GRADUATION. RESTRICTED TO MEMBERS  
OF THE UNIVERSITY HONORS PROGRAM ONLY.  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

## PHYSICS

(CONTINUED)

ORAL COMM PHYS SEMN PHYS 501 1 CREDIT  
Satisfactory-Fail Only.  
7408005 1 T 2:10-3:00  
MEETS: AUG 26-DEC 20

INTRO RESRCH SEMINR PHYS 502 R CREDIT  
Satisfactory-Fail Only.  
2189005 1 R 3:10-5:00  
MEETS: AUG 26-DEC 20

CONDENSED MATTER I PHYS 511 3 CREDITS  
Prereq: PHYS 304, CREDIT OR ENROLLMENT IN PHYS  
481  
5896005 1 TR 9:30-10:50  
MEETS: AUG 26-DEC 20

ULTRFAST LASER&SPCT PHYS 521 3 CREDITS  
Prereq: PHYS 321, PHYS 365, OR EQUIVALENT WITH  
PERMISSION OF INSTRUCTOR  
9358005 1 MWF 2:10-3:00  
MEETS: AUG 26-DEC 20

PARTICLE&NUCLR PHYS PHYS 526 4 CREDITS  
Prereq: CREDIT OR ENROLLMENT IN PHYS 481  
5905005 1 MWF 2:10-3:30  
MEETS: AUG 26-DEC 20

MATH METHD PHYS SCI PHYS 528 3 CREDITS  
Prereq: MATH 266 OR MATH 267  
5899005 1 MWF 1:10-2:00  
MEETS: AUG 26-DEC 20

GROUP THEORY APPLIC PHYS 534 3 CREDITS  
Prereq: CREDIT OR ENROLLMENT IN PHYS 481  
5098005 1 TR 12:40-2:00  
MEETS: AUG 26-DEC 20

SEMICONDUCTR PHYSICS PHYS 535 4 CREDITS  
Prereq: E E 311, E E 332  
5903005 1 MT 6:10-7:30PM  
ARRANGED  
MEETS: AUG 26-DEC 20

GENERAL RELATIVITY PHYS 541 3 CREDITS  
Prereq: PHYS 362, MATH 207 OR MATH 317  
5906005 1 MWF 10:00-10:50  
MEETS: AUG 26-DEC 20

PHYS OF BIOMOLECULE PHYS 561 3 CREDITS  
Prereq: PHYS 304 OR CHEM 325, BBMB 301, OR  
PERMISSION OF INSTRUCTOR; GRAD STUDENT CLASSIFICATION  
IN SCI/ENGR  
9421005 1 TR 11:00-12:20  
MEETS: AUG 26-DEC 20

ADV ELECT & MAGNET I PHYS 571 3 CREDITS  
Prereq: PHYS 365, PHYS 528  
5908005 1 MWF 11:00-11:50  
MEETS: AUG 26-DEC 20

SPCL TOPICS NUCLEAR PHYS 590A VAR. CREDITS  
Prereq: PERMISSION OF INSTRUCTOR  
5910005 1 ARRANGED  
MEETS: AUG 26-DEC 20

SPL TOP COND MATTER PHYS 590B VAR. CREDITS  
Prereq: PERMISSION OF INSTRUCTOR  
5911005 1 MWF 1:10-2:00  
MEETS: AUG 26-DEC 20  
Note: SEC 1 OFFERED FOR 3 CREDITS

SPL TOP HIGH ENERGY PHYS 590C VAR. CREDITS  
Prereq: PERMISSION OF INSTRUCTOR  
5912005 1 ARRANGED  
MEETS: AUG 26-DEC 20

SPCL TOPICS PHYSICS PHYS 590D VAR. CREDITS  
Prereq: PERMISSION OF INSTRUCTOR  
5913005 1 ARRANGED  
MEETS: AUG 26-DEC 20

SPL TOPCS APPL PHYS PHYS 590E VAR. CREDITS  
Prereq: PERMISSION OF INSTRUCTOR  
5914005 1 ARRANGED  
MEETS: AUG 26-DEC 20

QUANTUM PHYSICS I PHYS 591 4 CREDITS  
Prereq: PHYS 481  
5915005 1 MF 10:00-10:50  
W 9:00-10:50  
MEETS: AUG 26-DEC 20

CREATIVE COMPONENT PHYS 599 VAR. CREDITS  
Prereq: PERMISSION OF INSTRUCTOR  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

## PHYSICS

(CONTINUED)

ADV NUCLEAR PHYSICS PHYS 624 3 CREDITS  
Prereq: PHYS 526, PHYS 592  
3143005 1 TR 9:30-10:50  
MEETS: AUG 26-DEC 20

ELEM PARTICLE PH II PHYS 638 3 CREDITS  
Prereq: PHYS 637  
5922005 1 TR 11:00-12:20  
MEETS: AUG 26-DEC 20

ADV SEMINAR NUCLEAR PHYS 650A 1 CREDIT  
Satisfactory-Fail Only.  
5923005 1 R 4:10-6:00PM  
MEETS: AUG 26-DEC 20

ADV SEM COND MATTER PHYS 650B 1 CREDIT  
Satisfactory-Fail Only.  
5924005 1 R 4:10-6:00PM  
MEETS: AUG 26-DEC 20

ADV SEM HIGH ENERGY PHYS 650C 1 CREDIT  
Satisfactory-Fail Only.  
5925005 1 W 4:10-6:00PM  
MEETS: AUG 26-DEC 20

ADV SEMINAR PHYSICS PHYS 650D 1 CREDIT  
Satisfactory-Fail Only.  
5926005 1 F 12:10-1:00  
MEETS: AUG 26-DEC 20

ADV SEMINAR APPLIED PHYS 650E 1 CREDIT  
Satisfactory-Fail Only.  
5927005 1 ARRANGED  
MEETS: AUG 26-DEC 20

ADV SEMINAR BIOPHYS PHYS 650F 1 CREDIT  
Satisfactory-Fail Only.  
6583005 1 M 4:10-6:00PM  
MEETS: AUG 26-DEC 20

ADV TOP COND MATTER PHYS 660B 1- 3 CREDITS  
5929005 1 ARRANGED  
MEETS: AUG 26-DEC 20

ADV TOP HIGH ENERGY PHYS 660C 1- 3 CREDITS  
5930005 1 ARRANGED  
MEETS: AUG 26-DEC 20

ADV TOPICS PHYSICS PHYS 660D 1- 3 CREDITS  
5931005 1 ARRANGED  
MEETS: AUG 26-DEC 20

ADV TOPICS APPLIED PHYS 660E 1- 3 CREDITS  
5932005 1 ARRANGED  
MEETS: AUG 26-DEC 20

QUANTUM FLD THEOR I PHYS 681 3 CREDITS  
Prereq: PHYS 564, PHYS 572, PHYS 592  
5935005 1 TR 2:10-3:30  
MEETS: AUG 26-DEC 20

RESEARCH PHYS 699 VAR. CREDITS  
Prereq: INSTRUCTOR PERMISSION REQUIRED  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

**PLANT BIOLOGY**

PLANT METABOLISM PLBIO 513 2 CREDITS  
Prereq: BIOL 330, PHYS 111, CHEM 331; ONE  
SEMESTER OF BIOCHEMISTRY RECOMMENDED  
6806005 1 TR 12:40-1:30  
MEETS: AUG 26-DEC 20

PLANT MOLEC&DEV BIO PLBIO 545 3 CREDITS  
Prereq: BIOL 314, BIOL 330  
6807005 1 TR 9:30-10:50  
MEETS: AUG 26-DEC 20

RESEARCH SEMINAR PLBIO 696 1 CREDIT  
Satisfactory-Fail Only.  
8828005 1 W 4:10-5:30  
MEETS: AUG 26-DEC 20

RESEARCH PLBIO 699 VAR. CREDITS  
Note: Instructor permission required 1st week.  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

**PLANT PATHOLOGY**

PRIN OF PLANT PATH PL P 408 3 CREDITS  
Prereq: 8 CREDITS IN LIFE SCIENCES, INCLUDING  
BIOL 211  
3898005 1 TR 11:00-11:50  
R 12:10-2:00  
MEETS: AUG 26-DEC 20

3898010 2 TR 11:00-11:50  
R 2:10-4:00  
MEETS: AUG 26-DEC 20

3898015 3 TR 11:00-11:50  
R 4:10-6:00PM  
MEETS: AUG 26-DEC 20

## PLANT PATHOLOGY

(CONTINUED)

FOREST INSECT&DISEAS PL P 416 3 CREDITS  
Prereq: 8 CR IN BIOLOGICAL SCI, INCLUDING  
BIOL 211 OR EQUIVALENT  
5942005 1 MWF 2:10-3:00  
MEETS: AUG 26-DEC 20

FOR INSECTS&DIS LAB PL P 416L 1 CREDIT  
Prereq: 8 CREDITS IN BIOLOGICAL SCI INCLUDING  
BIOL 211 OR EQUIVALENT. CREDIT OR ENROLLMENT IN  
PL P 416.  
2628005 1 M 3:10-6:00PM  
MEETS: AUG 26-DEC 20

INDEP STDY PLT PATH PL P 490A 1- 3 CREDITS  
Prereq: JR OR SR CLASSIFICATION, 7 CREDITS IN  
BIOLOGICAL SCIENCES, PERMISSION OF INSTRUCTOR  
Note: NO MORE THAN 6 CREDITS OF PL P 490 MAY BE  
APPLIED TOWARD THE TOTAL OF 128 CREDITS REQUIRED  
FOR GRADUATION  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

HONORS INDEP STUDY PL P 490H 1- 3 CREDITS  
Prereq: JR OR SR CLASSIFICATION, 7 CR IN BIOL  
SCI, INSTR PERMISSION, MEMBERSHIP IN HONORS PROGRAM  
Note: NO MORE THAN 6 CREDITS OF PL P 490 MAY BE  
APPLIED TOWARD THE TOTAL OF 128 CREDITS REQUIRED  
FOR GRADUATION. COURSE RESTRICTED TO MEMBERS OF THE  
UNIVERSITY HONORS PROGRAM ONLY.  
3155005 1 ARRANGED  
MEETS: AUG 26-DEC 20

PRIN OF PLANT PATH PL P 508 3 CREDITS  
Prereq: 8 CREDITS IN LIFE SCIENCES, INCLUDING  
BIOL 211 OR BIOL 212  
3902005 1 TR 11:00-11:50  
R 12:10-2:00  
MEETS: AUG 26-DEC 20

3902010 2 TR 11:00-11:50  
R 2:10-4:00  
MEETS: AUG 26-DEC 20

3902015 3 TR 11:00-11:50  
R 4:10-6:00PM  
MEETS: AUG 26-DEC 20

SPECIAL TOPICS PL P 590 1- 3 CREDITS  
Prereq: 10 CR IN BIOL SCIENCES, INSTR PERMISSION  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

CREATIVE COMPONENT PL P 599 VAR. CREDITS  
Prereq: FOR NON-THESIS MASTER OF SCIENCE STUDENTS  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

MOLECULAR VIROLOGY PL P 608 3 CREDITS  
Prereq: BBMB 405 OR GDCC 511  
1866005 1 ARRANGED  
MEETS: AUG 26-DEC 20

IMPROV PRO PRESENTN PL P 628 2 CREDITS  
Prereq: GRADUATE CLASSIFICATION  
9440005 1 M 3:10-5:00  
MEETS: AUG 26-DEC 20

MOL BIO PLT PATHOGEN PL P 692 3 CREDITS  
Prereq: PL P 506 OR BBMB 405 OR GEN 411 OR MICRO  
402 OR STRONG BACKGROUND IN MOLECULAR BIOLOGY  
5957005 1 ARRANGED  
MEETS: AUG 26-DEC 20

SEMINAR PL P 698 1 CREDIT  
Satisfactory-Fail Only.  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

THESIS&DIS RESEARCH PL P 699 VAR. CREDITS  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

**POLITICAL SCIENCE**

INTRO POLITICAL SCI POL S 101 3 CREDITS  
Note: COURSE RESTRICTED TO POL S, OPEN OPTION  
MAJORS.  
3912005 1 TR 12:40-2:00  
MEETS: AUG 26-DEC 20

INTR AMERIC GOVERNMENT POL S 215 3 CREDITS  
5961005 1 MWF 12:10-1:00  
MEETS: AUG 26-DEC 20

5961010 2 MWF 10:00-10:50  
MEETS: AUG 26-DEC 20

5961015 3 TR 11:00-12:20  
MEETS: AUG 26-DEC 20

INTRO ETHICS&POLTCS POL S 235 3 CREDITS  
5715005 1 MWF 11:00-11:50  
MEETS: AUG 26-DEC 20

POLITICAL SCIENCE (CONTINUED)

INTR CMPAR GOVT&POL POL S 241 3 CREDITS  
 Note: Meets international perspectives reqmt  
 5963005 1 MWF 11:00-11:50  
 MEETS: AUG 26-DEC 20  
 5963010 2 MWF 12:10-1:00  
 MEETS: AUG 26-DEC 20  
 5963015 3 MWF 10:00-10:50  
 MEETS: AUG 26-DEC 20

INTRO INTERNATL POL POL S 251 3 CREDITS  
 Note: Meets international perspectives reqmt  
 5964005 1 TR 9:30-10:50  
 MEETS: AUG 26-DEC 20  
 5964010 2 MWF 1:10-2:00  
 MEETS: AUG 26-DEC 20  
 5964015 3 TR 2:10-3:30  
 MEETS: AUG 26-DEC 20

INTRO EMPIRCL RSRCH POL S 301 3 CREDITS  
 Prereq: POL S 101  
 5965005 1 TR 11:00-12:20  
 MEETS: AUG 26-DEC 20

STATE & LOCAL GOVT POL S 310 3 CREDITS  
 Prereq: 3 CR IN POL S  
 5968005 1 MWF 9:00-9:50  
 MEETS: AUG 26-DEC 20

CAMPAIGNS&ELECTIONS POL S 318 3 CREDITS  
 2728005 1 MWF 1:10-2:00  
 MEETS: AUG 26-DEC 20

LAW AND POLITICS POL S 319 3 CREDITS  
 Prereq: SOPHOMORE STANDING; POL S 215 RECOMMENDED  
 3865005 1 MWF 3:10-4:00  
 MEETS: AUG 26-DEC 20

POLITICS & SOCIETY POL S 334 3 CREDITS  
 Prereq: A COURSE IN POL S OR SOC  
 7403005 1 TR 2:10-3:30 DOBRATZ B  
 MEETS: AUG 26-DEC 20

LIBERTY&LAW IN AMER POL S 339 3 CREDITS  
 Prereq: SOPHOMORE CLASSIFICATION  
 9803005 1 MWF 9:00-9:50  
 MEETS: AUG 26-DEC 20

POLITCS DEVEL AREAS POL S 340 3 CREDITS  
 Note: Meets international perspectives reqmt  
 5971005 1 MWF 2:10-3:00  
 MEETS: AUG 26-DEC 20

CHINESE POLITICS POL S 342 3 CREDITS  
 Note: Meets international perspectives reqmt  
 4560005 1 MWF 11:00-11:50  
 MEETS: AUG 26-DEC 20

PUBLIC POLICY POL S 344 3 CREDITS  
 9243005 1 TR 3:40-5:00  
 MEETS: AUG 26-DEC 20

POLIT RUS& E EUROPE POL S 349 3 CREDITS  
 Note: Meets international perspectives reqmt  
 5996005 1 MWF 10:00-10:50  
 MEETS: AUG 26-DEC 20

POLIT OF MIDL EAST POL S 350 3 CREDITS  
 Note: Meets international perspectives reqmt  
 7229005 1 TR 11:00-12:20  
 MEETS: AUG 26-DEC 20

IMMIGRATION POLICY POL S 353 3 CREDITS  
 Note: Meets U.S. diversity reqmt  
 3564005 1 MWF 12:10-1:00  
 MEETS: AUG 26-DEC 20

WAR AND POLITICS POL S 355 3 CREDITS  
 Note: Meets international perspectives reqmt  
 5623005 1 TR 12:40-2:00  
 MEETS: AUG 26-DEC 20

THEOR INTL POLITICS POL S 356 3 CREDITS  
 7231005 1 TR 12:40-2:00  
 MEETS: AUG 26-DEC 20

INT'L SECURITY PLCY POL S 357 3 CREDITS  
 9647005 1 TR 2:10-3:00  
 MEETS: AUG 26-DEC 20

U S FOREIGN POLICY POL S 358 3 CREDITS  
 Prereq: POL S 215 OR POL S 251, OR HIST 467 OR  
 HIST 470 OR HIST 471  
 5979005 1 MWF 1:10-2:00  
 MEETS: AUG 26-DEC 20

POLITICAL SCIENCE (CONTINUED)

AMER INSTI:CONGRESS POL S 360 3 CREDITS  
 Prereq: POL S 215  
 5980005 1 MWF 10:00-10:50  
 MEETS: AUG 26-DEC 20

AMER INSTITU: MEDIA POL S 363 3 CREDITS  
 Prereq: SOPHOMORE CLASSIFICATION  
 5809005 1 MWF 12:10-1:00  
 MEETS: AUG 26-DEC 20

POL PARTI&INTRST GR POL S 364 3 CREDITS  
 Prereq: POL S 215; SOPHOMORE CLASSIFICATION  
 6003005 1 TR 2:10-3:30  
 MEETS: AUG 26-DEC 20

RELIGION & POLITICS POL S 370 3 CREDITS  
 Prereq: SOPHOMORE CLASSIFICATION  
 3166005 1 MWF 11:00-11:50  
 MEETS: AUG 26-DEC 20

WOMEN IN POLITICS POL S 385 3 CREDITS  
 Note: Meets U.S. diversity reqmt  
 5983005 1 TR 11:00-12:20  
 MEETS: AUG 26-DEC 20

ADV WRITING POL SCI POL S 395 R CREDIT  
 Satisfactory-Fail Only.  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

LEGAL ANALYSIS POL S 402 3 CREDITS  
 4051005 1 MWF 1:10-2:00  
 MEETS: AUG 26-DEC 20

CONSTITUTIONAL LAW POL S 420 3 CREDITS  
 Prereq: POL S 215; JUNIOR CLASSIFICATION  
 5988005 1 MWF 2:10-3:00  
 MEETS: AUG 26-DEC 20

INTERNATIONAL LAW POL S 422 3 CREDITS  
 Prereq: POL S 215 OR POL S 251; JUNIOR  
 CLASSIFICATION  
 5990005 1 MWF 9:00-9:50  
 MEETS: AUG 26-DEC 20

MODRN POLIT THOUGHT POL S 431 3 CREDITS  
 Prereq: 6 CR IN POL S, PHIL, OR EUROPEAN HIST  
 5993008 1 TR 9:30-10:50  
 MEETS: AUG 26-DEC 20

AMER POLIT INSTITUT POL S 460 3 CREDITS  
 Prereq: 6 CREDITS IN AMERICAN GOVERNMENT  
 3656005 1 W 2:10-5:00  
 MEETS: AUG 26-DEC 20

IND STUDY AMER GOVT POL S 490A VAR. CREDITS  
 Prereq: 6 CREDITS IN POLITICAL SCIENCE  
 Note: NO MORE THAN 9 CREDITS OF POL S 490 MAY BE  
 APPLIED TOWARD GRADUATION. USE OF POL S 490 IN POL S  
 MAJOR AND MINOR DEGREE REQUIREMENTS IS LIMITED. SEE  
 UNDERGRADUATE STUDY SECTION OF CATALOG FOR DETAILS.  
 Instructor permission required 1st week.  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

IND STDY THRY&METHD POL S 490B VAR. CREDITS  
 Prereq: 6 CREDITS IN POLITICAL SCIENCE  
 Note: NO MORE THAN 9 CREDITS OF POL S 490 MAY BE  
 APPLIED TOWARD GRADUATION. USE OF POL S 490 IN POL S  
 MAJOR AND MINOR DEGREE REQUIREMENTS IS LIMITED. SEE  
 UNDERGRADUATE STUDY SECTION OF CATALOG FOR DETAILS.  
 Instructor permission required 1st week.  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

IND STUDY COMPAR POL POL S 490C VAR. CREDITS  
 Prereq: 6 CREDITS IN POLITICAL SCIENCE  
 Note: NO MORE THAN 9 CREDITS OF POL S 490 MAY BE  
 APPLIED TOWARD GRADUATION. USE OF POL S 490 IN POL S  
 MAJOR AND MINOR DEGREE REQUIREMENTS IS LIMITED. SEE  
 UNDERGRADUATE STUDY SECTION OF CATALOG FOR DETAILS.  
 Instructor permission required 1st week.  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

IND STDY INT'L RELA POL S 490D VAR. CREDITS  
 Prereq: 6 CREDITS IN POLITICAL SCIENCE  
 Note: NO MORE THAN 9 CREDITS OF POL S 490 MAY BE  
 APPLIED TOWARD GRADUATION. USE OF POL S 490 IN POL S  
 MAJOR AND MINOR DEGREE REQUIREMENTS IS LIMITED. SEE  
 UNDERGRADUATE STUDY SECTION OF CATALOG FOR DETAILS.  
 Instructor permission required 1st week.  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

IND STUDY EXT CREDIT POL S 490E 1- 2 CREDITS  
 Prereq: 6 CREDITS IN POLITICAL SCIENCE  
 Note: NO MORE THAN 9 CREDITS OF POL S 490 MAY BE  
 APPLIED TOWARD GRADUATION. USE OF POL S 490 IN POL S  
 MAJOR AND MINOR DEGREE REQUIREMENTS IS LIMITED. SEE  
 UNDERGRADUATE STUDY SECTION OF CATALOG FOR DETAILS.  
 Instructor permission required 1st week.  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

## POLITICAL SCIENCE

(CONTINUED)

INDEP STUDY HONORS POL S 490H VAR. CREDITS  
Prereq: 6 CR IN POL S, MEMBERSHIP IN HONORS PROG  
Note: NO MORE THAN 9 CREDITS OF POL S 490 MAY BE  
APPLIED TOWARD GRADUATION. USE OF POL S 490 IN POL S  
MAJOR AND MINOR DEGREE REQUIREMENTS IS LIMITED. SEE  
UNDERGRADUATE STUDY SECTION OF CATALOG FOR DETAILS.  
RESTRICTED TO UNIVERSITY HONORS PROGRAM MEMBERS.  
Instructor permission required 1st week.  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

SENIOR THESIS POL S 491 3 CREDITS  
Prereq: 21 CREDITS OF POL S, SENIOR STATUS AND  
PERMISSION OF INSTRUCTOR  
Note: Instructor permission required.  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

TEACHING INTERNSHIP POL S 496 3 CREDITS  
Prereq: 12 CREDITS IN POL S, INSTRUCTOR PERMISSN  
Note: USE OF POL S 496 CREDIT IN POL S MAJOR AND MINOR  
DEGREE REQUIREMENTS IS LIMITED. SEE UNDERGRADUATE  
STUDY SECTION OF CATALOG FOR DETAILS.  
Satisfactory-Fail Only.  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

RESEARCH INTERNSHIP POL S 497 3 CREDITS  
Prereq: 12 CREDITS IN POL S, INSTRUCTOR PERMISSN  
Note: USE OF POL S 497 CREDIT IN POL S MAJOR AND MINOR  
DEGREE REQUIREMENTS IS LIMITED. SEE UNDERGRADUATE  
STUDY SECTION OF CATALOG FOR DETAILS.  
Satisfactory-Fail Only.  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

COOPERATIVE EDUCATN POL S 498 R CREDIT  
Prereq: PERMISSION OF DEPARTMENT COOP EDUCATION  
COORDINATOR; SENIOR CLASSIFICATION  
Note: PERMISSION OF DEPARTMENT COOP EDUCATION  
COORDINATOR; SENIOR CLASSIFICATION  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

POL SCI INTERNSHIP POL S 499 VAR. CREDITS  
Prereq: 6 CREDITS IN POL S; JUNIOR OR SENIOR  
CLASSIFICATION; PERMISSION OF INTERNSHIP COORDINATOR  
Note: USE OF POL S 499 CREDIT IN POL S MAJOR AND MINOR  
DEGREE REQUIREMENTS IS LIMITED. SEE UNDERGRADUATE  
STUDY SECTION OF CATALOG FOR DETAILS.  
Satisfactory-Fail Only.  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

POLITCL ANALY&RSRCH POL S 502 3 CREDITS  
Prereq: 6 CREDITS IN POL S  
8752005 1 T 2:10-5:00  
MEETS: AUG 26-DEC 20

PROSEM COMPAR POLIT POL S 505 3 CREDITS  
Prereq: 6 CREDITS IN POL S OR GRADUATE STANDING  
4638005 1 M 2:10-5:00  
MEETS: AUG 26-DEC 20

INTERNATIONAL LAW POL S 522 3 CREDITS  
3569005 1 MWF 9:00-9:50  
MEETS: AUG 26-DEC 20

ERLY MOD POL THOUGHT POL S 531 3 CREDITS  
Prereq: 6 CR IN POL S, PHIL, OR EUROPEAN HISTORY  
6025005 1 TR 9:30-10:50  
MEETS: AUG 26-DEC 20

INT'L POLIT ECONOMY POL S 581 3 CREDITS  
Prereq: 6 CREDITS IN POLITICAL SCIENCE  
6041005 1 R 2:10-5:00  
MEETS: AUG 26-DEC 20

SPL TOP US P INSTIT POL S 590A 2- 5 CREDITS  
Prereq: 15 CR IN POL S, WRITTEN INSTRUCTR PERMISSN  
Note: Instructor permission required 1st week.  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

SPL TOPC PUBLIC LAW POL S 590B 2- 5 CREDITS  
Prereq: 15 CR IN POL S, WRITTEN INSTRUCTR PERMISSN  
Note: Instructor permission required 1st week.  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

SP TOP POLIT THEORY POL S 590C 2- 5 CREDITS  
Prereq: 15 CR IN POL S, WRITTEN INSTRUCTR PERMISSN  
Note: Instructor permission required 1st week.  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

SPL TOP COMPAR GOVT POL S 590D 2- 5 CREDITS  
Prereq: 15 CR IN POL S, WRITTEN INSTRUCTR PERMISSN  
Note: Instructor permission required 1st week.  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

SPL TOP INT'L RELAT POL S 590E 2- 5 CREDITS  
Prereq: 15 CR IN POL S, WRITTEN INSTRUCTR PERMISSN  
Note: Instructor permission required 1st week.  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

## POLITICAL SCIENCE

(CONTINUED)

SPL TOP POLICY PROC POL S 590F 2- 5 CREDITS  
Prereq: 15 CR IN POL S, WRITTEN INSTRUCTR PERMISSN  
Note: Instructor permission required 1st week.  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

SPL TOP PUB POL&ADM POL S 590G 2- 5 CREDITS  
Prereq: 15 CR IN POL S, WRITTEN INSTRUCTR PERMISSN  
Note: PERMISSION OF INSTRUCTOR REQUIRED TO ADD FIRST  
WEEK. PROCESS APPROVED ADD SLIP IN 10 ENRL SC.  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

SPCL TOP INTERNSHIP POL S 590I 2- 5 CREDITS  
Prereq: 15 CR IN POL S, WRITTEN INSTRUCTR PERMISSN  
Note: Instructor permission required 1st week.  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

SPL TOP TEACHG PREP POL S 590T 2- 5 CREDITS  
Prereq: 15 CR IN POL S, WRITTEN INSTRUCTR PERMISSN  
Note: Instructor permission required 1st week.  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

INTERNSHIP POL S 598 3- 6 CREDITS  
Prereq: 15 CREDITS IN POL S, INSTRUCTR PERMISSION  
4540005 1 ARRANGED  
MEETS: AUG 26-DEC 20

CREATIVE COMPONENT POL S 599 VAR. CREDITS  
Note: Instructor permission required 1st week.  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

RESEARCH POL S 699 VAR. CREDITS  
Note: Instructor permission required 1st week.  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

## PORTUGUESE

ELEM PORTUGUESE I PORT 101 4 CREDITS  
7121005 1 M T W R 10:00-10:50  
MEETS: AUG 26-DEC 20

BRAZIL TODAY PORT 375 3 CREDITS  
Note: Meets international perspectives reqmt  
7204005 1 M W F 1:10-2:00  
MEETS: AUG 26-DEC 20

## PSYCHOLOGY

INTRO TO PSYCHOLOGY PSYCH 101 3 CREDITS  
Night exams scheduled. For dates go to  
<http://www.registrar.iastate.edu/students/exams/night-exams>.

6069005 1 TR 8:00-9:15  
MEETS: AUG 26-DEC 20

6069010 2 TR 9:30-10:45  
MEETS: AUG 26-DEC 20

6069015 3 TR 11:00-12:15  
MEETS: AUG 26-DEC 20

LAB INTRODUC PSYCH PSYCH 102 1 CREDIT  
Prereq: CREDIT OR ENROLLMENT IN PSYCH 101  
Note: SEC A1,B1,C1 ETC RESTRICTED TO PSYCH MAJORS ONLY  
SEC A2,B2, C2 ETC RESTRICTED TO MAJORS OTHER THAN  
PSYCH

4786080 A1 T 3:10-4:50  
MEETS: AUG 26-DEC 20

4786085 A2 T 3:10-4:50  
MEETS: AUG 26-DEC 20

4786090 B1 W 8:00-9:40  
MEETS: AUG 26-DEC 20

4786095 B2 W 8:00-9:40  
MEETS: AUG 26-DEC 20

4786100 C1 T 1:10-2:50  
MEETS: AUG 26-DEC 20

4786105 C2 T 1:10-2:50  
MEETS: AUG 26-DEC 20

4786020 D1 R 1:10-2:50  
MEETS: AUG 26-DEC 20

4786120 E1 R 3:10-4:50  
MEETS: AUG 26-DEC 20

4786125 E2 R 3:10-4:50  
MEETS: AUG 26-DEC 20

4786130 F1 F 2:10-3:50  
MEETS: AUG 26-DEC 20

4786135 F2 F 2:10-3:50  
MEETS: AUG 26-DEC 20

4786035 G1 R 1:10-2:50  
MEETS: AUG 26-DEC 20

4786140 J1 F 8:00-9:40  
MEETS: AUG 26-DEC 20

4786145 J2 F 8:00-9:40  
MEETS: AUG 26-DEC 20

ORIENTATN TO PSYCH PSYCH 111 .5 CREDIT  
Satisfactory-Fail Only.  
6068005 1 W 3:10-4:00  
MEETS: AUG 26-DEC 20

6068010 2 T 3:40-4:30  
MEETS: AUG 26-DEC 20

PSYCHOLOGY

(CONTINUED)

PSY LRN CMNTY SEMNR PSYCH 112 1 CREDIT  
 Prereq: PARTICIPATION IN FRESHMAN LEARNING  
 COMMUNITY  
 Satisfactory-Fail Only.  
 9388005 1 T 2:10-3:00  
 MEETS: AUG 26-DEC 20  
 9388010 2 T 2:10-3:00  
 MEETS: AUG 26-DEC 20  
 9388015 3 R 10:00-10:50  
 MEETS: AUG 26-DEC 20

ACAD LEARN SKILLS PSYCH 131 1 CREDIT  
 6071010 AB M 9:00-9:50  
 MEETS: AUG 26-DEC 20  
 Note: Instructor permission required 1st week.  
 Section info: <http://www.dso.iastate.edu/asc/psych131/>  
 6071015 AC M 10:00-10:50  
 MEETS: AUG 26-DEC 20  
 Note: Instructor permission required 1st week.  
 6071020 AD M 11:00-11:50  
 MEETS: AUG 26-DEC 20  
 Note: Instructor permission required 1st week.  
 Section info: <http://www.dso.iastate.edu/asc/psych131/>  
 6071025 AE M 12:10-1:00  
 MEETS: AUG 26-DEC 20  
 Note: Instructor permission required 1st week.  
 6071035 AG M 2:10-3:00  
 MEETS: AUG 26-DEC 20  
 Note: Instructor permission required 1st week.  
 Section info: <http://www.dso.iastate.edu/asc/psych131/>  
 6071055 BB T 9:30-10:20  
 MEETS: AUG 26-DEC 20  
 Note: Instructor permission required 1st week.  
 Section info: <http://www.dso.iastate.edu/asc/psych131/>  
 6071065 BD T 12:40-1:30  
 MEETS: AUG 26-DEC 20  
 Note: Instructor permission required 1st week.  
 Section info: <http://www.dso.iastate.edu/asc/psych131/>  
 6071075 BF T 2:10-3:00  
 MEETS: AUG 26-DEC 20  
 Note: Instructor permission required 1st week.  
 Section info: <http://www.dso.iastate.edu/asc/psych131/>  
 6071105 CB W 9:00-9:50  
 MEETS: AUG 26-DEC 20  
 Note: Instructor permission required 1st week.  
 Section info: <http://www.dso.iastate.edu/asc/psych131/>  
 6071110 CC W 10:00-10:50  
 MEETS: AUG 26-DEC 20  
 Note: Instructor permission required 1st week.  
 6071115 CD W 11:00-11:50  
 MEETS: AUG 26-DEC 20  
 Note: Instructor permission required 1st week.  
 Section info: <http://www.dso.iastate.edu/asc/psych131/>  
 6071120 CE W 12:10-1:00  
 MEETS: AUG 26-DEC 20  
 Note: Instructor permission required 1st week.  
 Section info: <http://www.dso.iastate.edu/asc/psych131/>  
 6071130 CG W 2:10-3:00  
 MEETS: AUG 26-DEC 20  
 Note: Instructor permission required 1st week.  
 Section info: <http://www.dso.iastate.edu/asc/psych131/>  
 6071155 DB R 9:30-10:20  
 MEETS: AUG 26-DEC 20  
 Note: Instructor permission required 1st week.  
 Section info: <http://www.dso.iastate.edu/asc/psych131/>  
 6071165 DD R 12:40-1:30  
 MEETS: AUG 26-DEC 20  
 Note: Instructor permission required 1st week.  
 Section info: <http://www.dso.iastate.edu/asc/psych131/>  
 6071175 DF R 2:10-3:00  
 MEETS: AUG 26-DEC 20  
 Note: Instructor permission required 1st week.  
 Section info: <http://www.dso.iastate.edu/asc/psych131/>  
 6071205 EB F 9:00-9:50  
 MEETS: AUG 26-DEC 20  
 Note: Instructor permission required 1st week.  
 Section info: <http://www.dso.iastate.edu/asc/psych131/>  
 6071210 EC F 10:00-10:50  
 MEETS: AUG 26-DEC 20  
 Note: Instructor permission required 1st week.  
 6071215 ED F 11:00-11:50  
 MEETS: AUG 26-DEC 20  
 Note: Instructor permission required 1st week.  
 Section info: <http://www.dso.iastate.edu/asc/psych131/>  
 6071220 EE F 12:10-1:00  
 MEETS: AUG 26-DEC 20  
 Note: Instructor permission required 1st week.  
 6071425 MF MW 1:10-2:00  
 MEETS: OCT 21-DEC 20  
 Note: Instructor permission required 1st week.  
 Section info: <http://www.dso.iastate.edu/asc/psych131/>  
 6071435 MJ MW 3:10-4:00  
 MEETS: OCT 21-DEC 20  
 Note: Instructor permission required 1st week.  
 6071440 MK MW 4:10-5:00  
 MEETS: OCT 21-DEC 20  
 Note: Instructor permission required 1st week.

PSYCHOLOGY

(CONTINUED)

ACAD LEARN SKILLS PSYCH 131 1 CREDIT  
 Section info: <http://www.dso.iastate.edu/asc/psych131/>  
 6071460 NC TR 11:00-11:50  
 MEETS: OCT 21-DEC 20  
 Note: Instructor permission required 1st week.  
 Section info: <http://www.dso.iastate.edu/asc/psych131/>  
 6071495 NK TR 4:10-5:00  
 MEETS: OCT 21-DEC 20  
 Note: Instructor permission required 1st week.

DEVELOPMENTAL PSYCH PSYCH 230 3 CREDITS  
 Night exams scheduled. For dates go to  
[http://www.registrar.iastate.edu/students/exams/night-exams/](http://www.registrar.iastate.edu/students/exams/night-exams)  
 6072005 1 TR 9:30-10:45  
 MEETS: AUG 26-DEC 20  
 6072010 2 TR 8:00-9:15  
 MEETS: AUG 26-DEC 20

SOCIAL PSYCHOLOGY PSYCH 280 3 CREDITS  
 Night exams scheduled. For dates go to  
[http://www.registrar.iastate.edu/students/exams/night-exams/](http://www.registrar.iastate.edu/students/exams/night-exams)  
 6075005 1 TR 12:40-1:55  
 MEETS: AUG 26-DEC 20  
 6075010 2 TR 2:10-3:25  
 MEETS: AUG 26-DEC 20

INTRO RESRCH EXPRNC PSYCH 291 1- 4 CREDITS  
 Prereq: PSYCH 101, SOPHOMORE CLASSIFICATION,  
 INSTRUCTOR PERMISSION  
 Satisfactory-Fail Only.  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

RES DSGN & METHODOL PSYCH 301 3 CREDITS  
 Prereq: STAT 101; 1 COURSE IN PSYCHOLOGY  
 6076005 A1 MWF 2:10-3:00  
 MEETS: AUG 26-DEC 20  
 Note: SEC A1 RESTRICTED TO PSYCH MAJORS ONLY  
 6076010 A2 MWF 2:10-3:00  
 MEETS: AUG 26-DEC 20  
 Note: SEC A2 RESTRICTED TO MAJORS OTHER THAN PSYCH  
 6076015 B1 TR 2:10-3:30  
 MEETS: AUG 26-DEC 20  
 Note: SEC B1 RESTRICTED TO PSYCH MAJORS ONLY  
 6076020 B2 TR 2:10-3:30  
 MEETS: AUG 26-DEC 20  
 Note: SEC B2 RESTRICTED TO MAJORS OTHER THAN PSYCH

RESRCH METHODS PSYC PSYCH 302 3 CREDITS  
 Prereq: PSYCH 301, ENGL 250  
 Note: COURSE RESTRICTED TO PSYCH MAJORS ONLY  
 1173005 1 MW 10:00-11:50  
 MEETS: AUG 26-DEC 20  
 1173010 2 MW 1:10-3:00  
 MEETS: AUG 26-DEC 20  
 1173015 3 TR 9:00-10:50  
 MEETS: AUG 26-DEC 20  
 1173020 4 TR 11:00-1:00  
 MEETS: AUG 26-DEC 20

BRAIN & BEHAVIOR PSYCH 310 3 CREDITS  
 Prereq: PSYCH 101  
 1515005 A1 MWF 12:10-1:00  
 MEETS: AUG 26-DEC 20  
 Note: SEC A1 RESTRICTED TO PSYCH MAJORS ONLY  
 1515010 A2 MWF 12:10-1:00  
 MEETS: AUG 26-DEC 20  
 Note: SEC A2 RESTRICTED TO MAJORS OTHER THAN PSYCH

SENSATION & PERCEPTN PSYCH 312 3 CREDITS  
 Prereq: PSYCH 101  
 6079005 A1 M 6:10-9:00PM  
 MEETS: AUG 26-DEC 20  
 Note: SEC A1 RESTRICTED TO PSYCH MAJORS ONLY  
 6079010 A2 M 6:10-9:00PM  
 MEETS: AUG 26-DEC 20  
 Note: SEC A2 FOR MAJORS OTHER THAN PSYCH

LEARNING & MEMORY PSYCH 313 3 CREDITS  
 Prereq: PSYCH 101  
 6080005 A1 MWF 1:10-2:00  
 MEETS: AUG 26-DEC 20  
 Note: SEC A1 RESTRICTED TO PSYCH MAJORS ONLY  
 6080010 A2 MWF 1:10-2:00  
 MEETS: AUG 26-DEC 20  
 Note: SEC A2 RESTRICTED TO MAJORS OTHER THAN PSYCH

MOTIVATION PSYCH 314 3 CREDITS  
 Prereq: PSYCH 101  
 6081005 A1 MWF 10:00-10:50  
 MEETS: AUG 26-DEC 20  
 Note: SEC A1 RESTRICTED TO PSYCH MAJORS ONLY  
 6081010 A2 MWF 10:00-10:50  
 MEETS: AUG 26-DEC 20  
 Note: SEC A2 RESTRICTED TO MAJORS OTHER THAN PSYCH

## PSYCHOLOGY (CONTINUED)

DRUGS & BEHAVIOR PSYCH 315 3 CREDITS  
Prereq: PSYCH 101  
6082015 A1 MWF 2:10-3:00  
MEETS: AUG 26-DEC 20  
Note: SEC A1 RESTRICTED TO PSYCH MAJORS ONLY  
6082020 A2 MWF 2:10-3:00  
MEETS: AUG 26-DEC 20  
Note: SEC A2 RESTRICTED TO MAJORS OTHER THAN PSYCH

COGNITIVE PSYCHOLGY PSYCH 316 3 CREDITS  
Prereq: PSYCH 101  
6083005 A1 TR 3:40-4:55  
MEETS: AUG 26-DEC 20  
Note: SEC A1 RESTRICTED TO PSYCH MAJORS ONLY  
6083010 A2 TR 3:40-4:55  
MEETS: AUG 26-DEC 20  
Note: SEC A2 RESTRICTED TO MAJORS OTHER THAN PSYCH

EDUCATIONAL PSYCHOL PSYCH 333 3 CREDITS  
Prereq: PSYCH 230 OR HD FS 102, MAJOR IN PSYCH  
OR APPLICATION TO THE TEACHER ED PROGRAM  
Note: FOR PSYCHOLOGY AND SECONDARY EDUCATION MAJORS ONLY  
4361005 1 MWF 1:10-2:00  
MEETS: AUG 26-DEC 20

ABNORM PSY CHD&ADOL PSYCH 335 3 CREDITS  
Prereq: PSYCH 101; PSYCH 230 OR HD FS 102  
4299005 A1 MWF 1:10-2:00  
MEETS: AUG 26-DEC 20  
Note: SEC A1 RESTRICTED TO PSYCH MAJORS ONLY  
4299010 A2 MWF 1:10-2:00  
MEETS: AUG 26-DEC 20  
Note: SEC A2 RESTRICTED TO MAJORS OTHER THAN PSYCH

PSYCHOLOGY OF WOMEN PSYCH 346 3 CREDITS  
Prereq: 2 COURSES IN PSYCHOLOGY INCLUDING PSYCH 101  
Note: Meets U.S. diversity reqmt  
6085005 A1 TR 12:40-2:00  
MEETS: AUG 26-DEC 20  
Note: SEC A1 RESTRICTED TO PSYCH MAJORS ONLY  
6085010 A2 TR 12:40-2:00  
MEETS: AUG 26-DEC 20  
Note: SEC A2 RESTRICTED TO MAJORS OTHER THAN PSYCH

HUMN FACTORS IN TEC PSYCH 350 3 CREDITS  
Prereq: PSYCH 101, JUNIOR CLASSIFICATION  
9227005 A1 TR 12:40-2:00  
MEETS: AUG 26-DEC 20  
Note: SEC A1 RESTRICTED TO PSYCH MAJORS ONLY  
9227010 A2 TR 12:40-2:00  
MEETS: AUG 26-DEC 20  
Note: SEC A2 RESTRICTED TO MAJORS OTHER THAN PSYCH

PERSONALITY PSYCHOL PSYCH 360 3 CREDITS  
Prereq: PSYCH 101  
6087005 A1 MW 1:10-2:00, ARRANGED  
MEETS: AUG 26-DEC 20  
Note: THE ARRANGED PORTION OF THE COURSE WILL BE DELIVERED VIA WWW. SEC A1 RESTRICTED TO PSYCH MAJORS.  
6087010 A2 MW 1:10-2:00, ARRANGED  
MEETS: AUG 26-DEC 20  
Note: THE ARRANGED PORTION OF THE COURSE WILL BE DELIVERED VIA WWW. SECTION A2 RESTRICTED TO MAJORS OTHER THAN PSYCH.

SOCIAL COGNITION PSYCH 380 3 CREDITS  
Prereq: PSYCH 101 OR PSYCH 280  
6180005 A1 MWF 9:00-9:50  
MEETS: AUG 26-DEC 20  
Note: SEC A1 RESTRICTED TO PSYCH MAJORS ONLY  
6180010 A2 MWF 9:00-9:50  
MEETS: AUG 26-DEC 20  
Note: SEC A2 RESTRICTED TO MAJORS OTHER THAN PSYCH

SMALL GROUP BEHAVR PSYCH 381 3 CREDITS  
Prereq: PSYCH 280 OR SOC 305  
6088005 1 TR 3:40-5:00 JONES-JOHNSON G  
MEETS: AUG 26-DEC 20

PSYCHOLOGY AND LAW PSYCH 383 3 CREDITS  
Prereq: PSYCH 101 OR PSYCH 280  
9080005 A1 TR 2:10-3:30  
MEETS: AUG 26-DEC 20  
Note: SEC A1 RESTRICTED TO PSYCH MAJORS ONLY  
9080010 A2 TR 2:10-3:30  
MEETS: AUG 26-DEC 20  
Note: SEC A2 RESTRICTED TO CJ ST, INDIS MAJORS  
9080015 A3 TR 2:10-3:30  
MEETS: AUG 26-DEC 20  
Note: FOR MAJORS OTHER THAN CJ ST, INDIS, PSYCH

COUNSEL THEOR&TCHNQ PSYCH 422 3 CREDITS  
Prereq: 3 COURSES IN PSYCH  
6093005 A1 TR 11:00-12:15  
MEETS: AUG 26-DEC 20  
Note: SEC A1 RESTRICTED TO PSYCH MAJORS ONLY  
6093010 A2 TR 11:00-12:15  
MEETS: AUG 26-DEC 20  
Note: SEC A2 RESTRICTED TO MAJORS OTHER THAN PSYCH

## PSYCHOLOGY (CONTINUED)

LAB CONSL THR&TCHNQ PSYCH 422L 1 CREDIT  
Prereq: CREDIT OR ENROLLMENT IN PSYCH 422,  
MAJOR OR MINOR IN PSYCHOLOGY  
Note: COURSE RESTRICTED TO PSYCH MAJORS ONLY  
2844005 1 T 9:00-10:40  
MEETS: AUG 26-DEC 20  
2844010 2 T 1:10-2:50  
MEETS: AUG 26-DEC 20  
2844015 3 R 9:00-10:40  
MEETS: AUG 26-DEC 20

PSYCH MEASUREMENT I PSYCH 440 3 CREDITS  
Prereq: PSYCH 301 AND 9 CREDITS IN PSYCHOLOGY,  
STAT 101  
Note: COURSE RESTRICTED TO PSYCH MAJORS ONLY  
6099005 1 M 12:10-2:00  
F 8:00-9:50  
MEETS: AUG 26-DEC 20  
6099010 2 M 12:10-2:00  
W 12:10-2:00  
MEETS: AUG 26-DEC 20  
6099015 3 M 12:10-2:00  
F 12:10-2:00  
MEETS: AUG 26-DEC 20  
6099020 4 M 12:10-2:00  
W 4:10-6:00PM  
MEETS: AUG 26-DEC 20  
6099025 5 M 12:10-2:00  
F 12:10-2:00  
MEETS: AUG 26-DEC 20

INDUSTRIAL PSYCHOLG PSYCH 450 3 CREDITS  
Prereq: 2 COURSES IN PSYCHOLOGY INCLUDING PSYCH 101, STAT 101  
6100005 A1 MW 3:10-4:30  
MEETS: AUG 26-DEC 20  
Note: SEC A1 RESTRICTED TO PSYCH MAJORS ONLY  
6100010 A2 MW 3:10-4:30  
MEETS: AUG 26-DEC 20  
Note: SEC A2 FOR MAJORS OTHER THAN PSYCH

ABNORMAL PSYCHOLOGY PSYCH 460 3 CREDITS  
Prereq: 3 COURSES IN PSYCHOLOGY INCLUDING PSYCH 101  
6102005 A1 MWF 11:00-11:50  
MEETS: AUG 26-DEC 20  
Note: SEC A1 RESTRICTED TO PSYCH MAJORS ONLY  
6102010 A2 MWF 11:00-11:50  
MEETS: AUG 26-DEC 20  
Note: SEC A2 RESTRICTED TO MAJORS OTHER THAN PSYCH, KIN, KIN H  
6102015 A3 MWF 11:00-11:50  
MEETS: AUG 26-DEC 20  
Note: SEC A3 RESTRICTED TO KIN, KIN H MAJORS ONLY  
6102025 B1 TR 9:30-10:50  
MEETS: AUG 26-DEC 20  
Note: SEC B1 RESTRICTED TO PSYCH MAJORS ONLY  
6102030 B2 TR 9:30-10:50  
MEETS: AUG 26-DEC 20  
Note: SEC B2 RESTRICTED TO MAJORS OTHER THAN PSYCH, KIN, KIN H  
6102035 B3 TR 9:30-10:50  
MEETS: AUG 26-DEC 20  
Note: SEC B3 RESTRICTED TO KIN, KIN H MAJORS ONLY

CLOSE RELATIONSHIPS PSYCH 484 3 CREDITS  
Prereq: 9 CREDITS IN PSYCHOLOGY INCLUDING PSYCH 280  
5693005 A1 TR 2:10-3:30  
MEETS: AUG 26-DEC 20  
Note: SEC A1 RESTRICTED TO PSYCH MAJORS ONLY  
5693010 A2 TR 2:10-3:30  
MEETS: AUG 26-DEC 20  
Note: SEC A2 RESTRICTED TO MAJORS OTHER THAN PSYCH

INDEPENDENT STUDY PSYCH 490 1- 3 CREDITS  
Prereq: JR CLASSIF, 6 CR IN PSYCH, INSTR PERMISSN  
Note: NO MORE THAN 9 CREDITS OF PSYCH 490 MAY BE APPLIED TOWARD A DEGREE IN PSYCHOLOGY. COURSE RESTRICTED TO JUNIORS AND SENIORS ONLY.  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

INDEP STUDY HONORS PSYCH 490H 1- 3 CREDITS  
Prereq: JR CLASSIFICATION, 6 CR IN PSYCH, INSTRUCTOR PERMISSION, MEMBERSHIP IN UNIV HONORS PROGRAM  
Note: NO MORE THAN 9 CREDITS OF PSYCH 490 MAY BE APPLIED TOWARD A DEGREE IN PSYCHOLOGY. COURSE RESTRICTED TO JUNIORS AND SENIORS WHO ARE MEMBERS OF THE UNIVERSITY HONORS PROGRAM.  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

RESEARCH PRACTICUM PSYCH 491 VAR. CREDITS  
Prereq: JR CLASSIFICATION, INSTR PERMISSION, CREDIT OR ENROLLMENT IN PSYCH 301  
Note: NO MORE THAN 9 CREDITS OF PSYCH 491 MAY BE APPLIED TOWARD A DEGREE IN PSYCHOLOGY. COURSE RESTRICTED TO JUNIORS AND SENIORS ONLY.  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS



PSYCHOLOGY (CONTINUED)

FLD PRACTCM:HUMN SV PSYCH 492A VAR. CREDITS  
 Prereq: JUNIOR CLASSIFICATION, 12 CREDITS  
 IN PSYCHOLOGY, PERMISSION OF INSTRUCTOR  
 Satisfactory-Fail Only.  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

FLD PRACTCM:I/O PSY PSYCH 492B VAR. CREDITS  
 Prereq: JUNIOR CLASSIFICATION; 12 CREDITS  
 IN PSYCHOLOGY INCLUDING PSYCH 450, OR PSYCH 250  
 AND ENROLLMENT IN PSYCH 450; PERMISSION OF INSTRUCTOR  
 Note: COURSE RESTRICTED TO JUNIORS AND SENIORS ONLY  
 Satisfactory-Fail Only.  
 4420073 KH ARRANGED  
 MEETS: AUG 26-DEC 20

FOUND BEHAVRL RSRCH PSYCH 501 3 CREDITS  
 Prereq: STAT 401 OR EQUIVALENT  
 9277005 1 MWF 11:00-11:50  
 MEETS: AUG 26-DEC 20

ADVANCED COGNITION PSYCH 516 3 CREDITS  
 Prereq: PSYCH 316  
 6115005 1 M 12:10-3:00  
 MEETS: AUG 26-DEC 20

COGNITIVE NEUROPSYC PSYCH 519 3 CREDITS  
 Prereq: PSYCH 310 AND PSYCH 316 OR PSYCH 313;  
 GRADUATE CLASSIFICATION OR PERMISSION OF INSTRUCTOR  
 4106005 1 T 3:10-6:00PM  
 MEETS: AUG 26-DEC 20

COGNI PSY HUMN&CPTR PSYCH 521 3 CREDITS  
 Prereq: GRADUATE CLASSIFICATION OR INSTRUCTOR  
 PERMISSION  
 Note: UNDERGRADS AND SPECIAL STUDENTS MUST SEEK  
 PERMISSION OF THE INSTRUCTOR TO ENROLL  
 5298005 1 TR 9:30-10:45  
 MEETS: AUG 26-DEC 20

THEORIES OF LEARNNG PSYCH 533 3 CREDITS  
 Prereq: C I 333 OR TEACHER LICENSURE  
 6118005 1 W 5:10-8:00PM  
 MEETS: AUG 26-DEC 20

PSYCHOPHL&BEH DEVI PSYCH 561 3 CREDITS  
 Prereq: PSYCH 460  
 6129005 1 TR 12:40-2:00  
 MEETS: AUG 26-DEC 20

ADV SOCIAL PSYCHOLG PSYCH 580 3 CREDITS  
 Prereq: 4 COURSES IN PSYCHOLOGY, INCLUDING PSYCH  
 280  
 6131005 1 TR 9:30-10:45  
 MEETS: AUG 26-DEC 20

SPCL TOP COUNSELING PSYCH 590A VAR. CREDITS  
 Prereq: 12 CREDITS IN PSYCH, PERMISSION OF INSTR  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

SPL TOPIC COGNITIVE PSYCH 590Q VAR. CREDITS  
 Prereq: 12 CREDITS IN PSYCH, PERMISSION OF INSTR  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

SPECL TOPICS SOCIAL PSYCH 590R VAR. CREDITS  
 Prereq: 12 CREDITS IN PSYCH, PERMISSION OF INSTR  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

SPCL TOPICS GENERAL PSYCH 590Z VAR. CREDITS  
 Prereq: 12 HOURS IN PSYCH, INSTRUCTOR PERMISSION  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

QNT MTH META-ANALYS PSYCH 594F 1 CREDIT  
 Prereq: PSYCH 501 OR EQUIVALENT  
 9144005 1 W 2:10-5:00  
 MEETS: AUG 26-SEPT 27

INTERNSHIP IN PSYCH PSYCH 597 R CREDIT  
 Prereq: M.S. DEGREE CANDIDACY; PERMISSION OF  
 INSTRUCTOR  
 7659005 1 ARRANGED  
 MEETS: AUG 26-DEC 20

CREATIVE COMPONENT PSYCH 599 VAR. CREDITS  
 Satisfactory-Fail Only.  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

PSY COUNSELING THRY PSYCH 621 3 CREDITS  
 Prereq: 3 COURSES IN PSYCH AND PERMISSION  
 OF INSTRUCTOR  
 6150005 1 TR 9:30-10:50  
 MEETS: AUG 26-DEC 20

COUNSELING TECHNIQ PSYCH 621L 3 CREDITS  
 Prereq: PSYCH 621L  
 6151005 1 T 2:10-5:00  
 MEETS: AUG 26-DEC 20

PSYCHOLOGY (CONTINUED)

GROUP COUNSELING PSYCH 626 3 CREDITS  
 Prereq: GRAD CLASSIFICATION  
 6153005 1 R 8:00-10:50  
 MEETS: AUG 26-DEC 20

EXT PRCTCM ADV CNSL PSYCH 691D VAR. CREDITS  
 Prereq: 691A, 691B, PERMISSION OF INSTRUCTOR  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

PRACT GROUP COUNSEL PSYCH 691G VAR. CREDITS  
 Prereq: PSYCH 626, PSYCH 691A, PERMISSION OF  
 INSTRUCTOR  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

PRACTICUM TEACHING PSYCH 691T VAR. CREDITS  
 Prereq: PSYCH 633, PERMISSION OF INSTRUCTOR  
 Satisfactory-Fail Only.  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

RSRCH SEMNR COGNITV PSYCH 692Q 1- 3 CREDITS  
 Prereq: PERMISSION OF INSTRUCTOR  
 Note: COURSE ONLY OFFERED FOR 1 CREDIT FALL 2019  
 7667005 1 W 12:10-1:00 ARRANGED  
 MEETS: AUG 26-DEC 20

RESRCH SEMNR SOCIAL PSYCH 692R 1- 3 CREDITS  
 Prereq: PERMISSION OF INSTRUCTOR  
 9085005 1 F 12:10-1:30 ARRANGED  
 MEETS: AUG 26-DEC 20  
 Note: OFFERED FOR 2 CREDITS

INTERN COUNSELING PSYCH 697 R CREDIT  
 Prereq: PH.D. CANDIDACY IN THE COUNSELING PSYCH  
 PROG, APPROVED DISSERTATION PROPOSAL, INSTR PERMISSN  
 6182005 1 ARRANGED  
 MEETS: AUG 26-DEC 20

RESEARCH PSYCH 699 VAR. CREDITS  
 Satisfactory-Fail Only.  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

**PUBLIC RELATIONS**

PRIN PUBLIC RELATNS P R 220 3 CREDITS  
 6906005 1 MWF 10:00-10:50  
 MEETS: AUG 26-DEC 20

STRATEG PLAN AD&P.R P R 301 3 CREDITS  
 Prereq: ADVRT 230 OR P R 220  
 Note: SEC 1A,2A,ETC. RESTRICTED TO ADVRT, JL MC, P R  
 SOPHOMORES AND ABOVE. SEC 1B,2B,ETC. RESTRICTED  
 TO MAJORS OTHER THAN ADVRT, JL MC, P R.  
 6910005 1A MW 11:00-12:15  
 MEETS: AUG 26-DEC 20  
 6910010 1B MW 11:00-12:15  
 MEETS: AUG 26-DEC 20  
 6910015 2A TR 9:30-10:45  
 MEETS: AUG 26-DEC 20  
 6910020 2B TR 9:30-10:45  
 MEETS: AUG 26-DEC 20  
 6910025 3A TR 11:00-12:15  
 MEETS: AUG 26-DEC 20  
 6910030 3B TR 11:00-12:15  
 MEETS: AUG 26-DEC 20

PUBLICITY METHODS P R 305 3 CREDITS  
 Prereq: ENGL 250, SOPHOMORE CLASSIFICATION  
 Note: JL MC, ADVRT, AND P R MAJORS ARE NOT TO ENROLL IN  
 JL MC 305. CREDIT DOES NOT APPLY TOWARD A DEGREE IN  
 JL MC OR ADVRT OR P R.  
 6911005 1 TR 9:30-10:50  
 MEETS: AUG 26-DEC 20  
 6911010 2 TR 11:00-12:20  
 MEETS: AUG 26-DEC 20  
 6911015 3 TR 2:10-3:30  
 MEETS: AUG 26-DEC 20

PUBLIC RELATNS WRIT P R 321 3 CREDITS  
 Prereq: JL MC 110, C+ OR BETTER IN JL MC 201;  
 CREDIT OR CONCURRENT ENROLLMENT IN ADVRT 301 OR  
 P R 301  
 Note: COURSE RESTRICTED TO JL MC, ADVRT, P R MAJORS  
 7171005 1 MW 12:10-2:00  
 MEETS: AUG 26-DEC 20  
 7171010 2 TR 2:10-4:00  
 MEETS: AUG 26-DEC 20  
 7171015 3 TR 12:10-2:00  
 MEETS: AUG 26-DEC 20

CRISIS COMMUNICATIO P R 420 3 CREDITS  
 Prereq: P R 220  
 7457005 1 TR 3:40-5:00  
 MEETS: AUG 26-DEC 20

PUBLIC RELATIONS (CONTINUED)

PUBLIC REL CAMPAIGN P R 424 3 CREDITS  
 Prereq: C+ OR BETTER IN P R 321; ADVRT 301 OR P R 301  
 Note: COURSE RESTRICTED TO JL MC, ADVRT, P R MAJORS  
 7211005 1 TR 11:00-12:20  
 MEETS: AUG 26-DEC 20  
 7211010 2 TR 9:30-10:50  
 MEETS: AUG 26-DEC 20

SPL TOPC MAGZN PUBL P R 497C 3 CREDITS  
 Prereq: JUNIOR CLASSIFICATION  
 Note: CONTEMPORARY MAGAZINE PUBLISHING  
 0150005 1 TR 12:40-2:00  
 MEETS: AUG 26-DEC 20

SPL TP FIRST AMENDM P R 497D 3 CREDITS  
 Prereq: JUNIOR CLASSIFICATION  
 Note: TOPIC: FIRST AMENDMENT FREEDOM & CONFLICTS: KNOW YOUR RIGHTS  
 0152005 1 MW 2:10-3:30  
 MEETS: AUG 26-DEC 20

SP TP SPRT&MDIA.DIG P R 497K 3 CREDITS  
 Prereq: JUNIOR CLASSIFICATION  
 Note: TOPIC: SPORTS & THE MEDIAIN A DIGITAL 24/7 WORLD  
 0154005 1 TR 2:10-3:30  
 MEETS: AUG 26-DEC 20

PRO MDIA INTERN:REQ P R 499A 3 CREDITS  
 Prereq: JL MC 110, FORMAL FACULTY ADVISR APPROVAL  
 JL MC MAJORS: C+ OR BETTER IN JL MC 302 OR JL MC 306  
 ADVRT MAJORS: C+ OR BETTER IN JL MC 201 AND ADVRT 301  
 P R MAJORS: P R 301, C+ OR BETTER IN P R 321  
 Note: NO MORE THAN 6 CREDITS OF 499, 499A AND 499B FROM THE GREENLEE SCHOOL MAY BE APPLIED TOWARD GRADUATION Department permission required.  
 Satisfactory-Fail Only.  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

PRO MDIA INTERN:OPT P R 499B 1- 3 CREDITS  
 Prereq: JL MC 110, FORMAL FACULTY ADVISR APPROVAL  
 JL MC MAJORS: C+ OR BETTER IN JL MC 302 OR JL MC 306  
 ADVRT MAJORS: C+ OR BETTER IN JL MC 201 AND ADVRT 301  
 P R MAJORS: P R 301, C+ OR BETTER IN P R 321  
 Note: NO MORE THAN 6 CREDITS OF 499, 499A AND 499B FROM THE GREENLEE SCHOOL MAY BE APPLIED TOWARD GRADUATION Department permission required.  
 Satisfactory-Fail Only.  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

**RELIGIOUS STUDIES**

INTRO WRLD RELIGION RELIG 205 3 CREDITS  
 Note: Meets international perspectives reqmt  
 6109005 1 MWF 1:10-2:00  
 MEETS: AUG 26-DEC 20  
 Note: SEC 1 RESTRICTED TO FRESHMEN ONLY  
 6109010 2 TR 3:40-5:00  
 MEETS: AUG 26-DEC 20  
 6109015 3 MWF 8:00-8:50  
 MEETS: AUG 26-DEC 20  
 Note: SEC 3 RESTRICTED TO FRESHMEN ONLY  
 6109020 4 MWF 10:00-10:50  
 MEETS: AUG 26-DEC 20  
 6109025 5 MWF 9:00-9:50  
 MEETS: AUG 26-DEC 20

RELIGION IN AMERICA RELIG 210 3 CREDITS  
 Note: Meets U.S. diversity reqmt  
 6188005 1 MWF 12:10-1:00  
 MEETS: AUG 26-DEC 20  
 6188010 2 MWF 10:00-10:50  
 MEETS: AUG 26-DEC 20  
 6188015 3 TR 12:40-2:00  
 MEETS: AUG 26-DEC 20  
 6188020 4 TR 2:10-3:30  
 MEETS: AUG 26-DEC 20  
 6188025 5 TR 9:30-10:50  
 MEETS: AUG 26-DEC 20

INTRO TO THE BIBLE RELIG 220 3 CREDITS  
 6189005 1 MWF 11:00-11:50  
 MEETS: AUG 26-DEC 20  
 Note: Instructor permission required.  
 6189010 2 MWF 1:10-2:00  
 MEETS: AUG 26-DEC 20  
 Note: Instructor permission required.

CHRISTNTY BEG-REFRM RELIG 242 3 CREDITS  
 Note: Meets international perspectives reqmt  
 6247005 1 TR 9:30-10:45  
 MEETS: AUG 26-DEC 20

RELIGIOUS STUDIES (CONTINUED)

INTRO CATHOLICISM RELIG 280 3 CREDITS  
 6242005 1 TR 2:10-3:25  
 MEETS: AUG 26-DEC 20

OLD TESTAMENT RELIG 321 3 CREDITS  
 6194005 1 MWF 3:10-4:00  
 MEETS: AUG 26-DEC 20  
 Note: Instructor permission required.

RELIG TRADITN INDIA RELIG 352 3 CREDITS  
 Prereq: RELIG 205 OR EQUIVALENT  
 Note: Meets international perspectives reqmt  
 1436005 1 MWF 2:10-3:00  
 MEETS: AUG 26-DEC 20

INTRODUCTN TO ISLAM RELIG 358 3 CREDITS  
 Note: Meets international perspectives reqmt  
 3332005 1 MWF 11:00-11:50  
 MEETS: AUG 26-DEC 20

RELIGION & POLITICS RELIG 370 3 CREDITS  
 3165005 1 MWF 11:00-11:50  
 MEETS: AUG 26-DEC 20

INDEPENDENT STUDY RELIG 490 1- 3 CREDITS  
 Prereq: 6 CR IN RELIGIOUS STUDIES; PERMISSION OF INSTRUCTOR; APPROVAL OF DEPT CHAIR  
 Note: NO MORE THAN 9 CREDITS OF RELIG 490 MAY BE APPLIED TOWARD GRADUATION  
 Instructor permission required 1st week.  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

INDEP STUDY HONORS RELIG 490H 1- 3 CREDITS  
 Prereq: 6 CR IN RELIG, PERMISSION OF INSTRUCTOR, APPROVAL OF PROFESSOR IN CHARGE OF PROGRAM, MEMBERSHIP IN UNIVERSITY HONORS PROGRAM  
 Note: NO MORE THAN 9 CREDITS OF RELIG 490 MAY BE APPLIED TOWARD GRADUATION. RESTRICTED TO MEMBERS OF THE UNIVERSITY HONORS PROGRAM ONLY.  
 Instructor permission required 1st week.  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

SENIOR THESIS RELIG 491 3 CREDITS  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

**RESEARCH & EVALUATION**

INTRO EDUC RESEARCH RESEV 550 3 CREDITS  
 Note: COURSE RESTRICTED TO GRAD STUDENTS  
 6211005 1 T 5:30-8:30PM  
 MEETS: AUG 26-DEC 20  
 6211010 2 W 1:10-4:00  
 MEETS: AUG 26-DEC 20  
 6211015 3 R 1:10-4:00  
 MEETS: AUG 26-DEC 20  
 Note: SEC 3 RESTRICTED TO GRAD STUDENTS

BASIC EDUC STATISTC RESEV 552 3 CREDITS  
 Note: COURSE RESTRICTED TO GRADS STUDENTS ONLY  
 7368005 1 W 5:30-8:30PM  
 MEETS: AUG 26-DEC 20

INTERMED RES METHDS RESEV 554 3 CREDITS  
 Prereq: RESEV 553 OR STAT 404  
 Note: COURSE RESTRICTED TO GRAD STUDENTS ONLY  
 6214005 1 R 5:10-8:00PM  
 MEETS: AUG 26-DEC 20

INTRO QLTV RES MTHD RESEV 580 3 CREDITS  
 Note: COURSE RESTRICTED TO GRAD STUDENTS ONLY  
 4059005 1 W 5:30-8:30PM  
 MEETS: AUG 26-DEC 20

SPECIAL TOPICS RESEV 590 1- 3 CREDITS  
 Prereq: GRADUATE STANDING  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

SUPRVSD FIELD EXPR RESEV 591 2- 4 CREDITS  
 Prereq: RESEV 553 OR RESEV 680  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

FOUND EDUC INQUIRY RESEV 601 3 CREDITS  
 Prereq: ADMISSION TO A DOCTORAL PROGRAM  
 9509005 1 R 5:30-8:30PM  
 MEETS: AUG 26-DEC 20

ADV SPECIAL TOPICS RESEV 690 1- 3 CREDITS  
 Prereq: GRADUATE STANDING  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

RESEARCH RESEV 699 VAR. CREDITS  
 Prereq: GRADUATE STANDING  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

**RUSSIAN**

ELEMENTARY RUSSIAN I RUS 101 4 CREDITS  
 Note: STUDENTS WHO HAVE COMPLETED ONE OR MORE YEARS OF HIGH SCHOOL RUSSIAN MAY NOT ENROLL IN 101. TESTOUT NOT AVAILABLE IF ALSO REGISTERED.  
 6225005 1 MWR 11:00-11:50  
 ARRANGED  
 MEETS: AUG 26-DEC 20  
 Note: SEC 1 HYBRID  
 6225010 2 TR 11:00-12:20  
 ARRANGED  
 MEETS: AUG 26-DEC 20  
 Note: SEC 2 HYBRID

INTERMED RUSSIAN I RUS 201 4 CREDITS  
 Prereq: RUS 102  
 Note: TESTOUT NOT AVAILABLE IF ALSO REGISTERED  
 Meets international perspectives reqmt  
 6228005 1 MWR 9:00-9:50  
 ARRANGED  
 MEETS: AUG 26-DEC 20  
 Note: SEC 1 HYBRID

COMPOS&CONVERSATION RUS 301 3 CREDITS  
 Prereq: RUS 202  
 Note: Meets international perspectives reqmt  
 6230008 1 MWF 12:10-1:00  
 MEETS: AUG 26-DEC 20

INDEPENDENT STUDY RUS 490 1- 6 CREDITS  
 Prereq: 6 CR IN RUSSIAN; PERMISSION OF DEPT CHAIR  
 Note: NO MORE THAN 9 CREDITS IN RUS 490 MAY BE APPLIED TOWARD GRADUATION  
 Permission of department chair required.  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

INTERNSH IN RUSSIAN RUS 499 1- 3 CREDITS  
 Prereq: 9 CREDITS OF RUSSIAN AT THE 300 LEVEL; PERMISSION OF ADVISER AND WORLD LANGUAGES AND CULTURES INTERNSHIP COORDINATOR  
 Note: NO MORE THAN 3 CREDITS IN RUS 499 MAY BE APPLIED TOWARD GRADUATION IN THE MINOR  
 Department permission required.  
 Satisfactory-Fail Only.  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

**SOCIOLOGY**

ORIENTATION PUB SER SOC 110 R CREDIT  
 Satisfactory-Fail Only.  
 6318005 1 R 2:10-3:00 BAIN C  
 MEETS: AUG 26-DEC 20

SOCIOLOGY ORIENTATN SOC 115 1 CREDIT  
 Satisfactory-Fail Only.  
 6345005 1 MW 9:00-9:50 HAGLEY M  
 MEETS: AUG 26-OCT 18  
 6345010 2 MW 10:00-10:50  
 MEETS: AUG 26-OCT 18

INTRO TO SOCIOLOGY SOC 134 3 CREDITS  
 Note: CREDIT FOR EITHER SOC 134 OR SOC 130, BUT NOT BOTH, MAY BE APPLIED TOWARD GRADUATION  
 6346005 1 MWF 10:00-10:50 SCHWEINGRUBER D  
 MEETS: AUG 26-DEC 20  
 6346010 2 MWF 11:00-11:50 SCHWEINGRUBER D  
 MEETS: AUG 26-DEC 20

INTIMATE RELATNSHIP SOC 219 3 CREDITS  
 Prereq: SOC 134  
 6349005 1 TR 9:30-10:50 STEWART S  
 MEETS: AUG 26-DEC 20  
 6349010 2 MWF 9:00-9:50  
 MEETS: AUG 26-DEC 20

RURL SOCIE TRANSITN SOC 230 3 CREDITS  
 6319005 1 TR 8:00-9:20 PETERS D  
 MEETS: AUG 26-DEC 20

YOUTH & CRIME SOC 241 3 CREDITS  
 6350005 1 TR 9:30-10:50  
 MEETS: AUG 26-DEC 20  
 6350010 2 MWF 2:10-3:00  
 MEETS: AUG 26-DEC 20

SOC SCI RSRCH MTHDS SOC 302 3 CREDITS  
 Prereq: SOC 134; STAT 101; OR CONCURRENT ENROLLMENT IN STAT 101  
 6354005 1 TR 9:30-10:50 DORIUS S  
 MEETS: AUG 26-DEC 20

SOC PSYCH:SOC PERSP SOC 305 3 CREDITS  
 Prereq: SOC 134  
 6355005 A1 TR 9:30-10:50  
 MEETS: AUG 26-DEC 20  
 Note: SEC A1 RESTRICTED TO SOC, P S A, AG SO, INDIS - CJ ST MAJORS ONLY  
 6355010 A2 TR 9:30-10:50  
 MEETS: AUG 26-DEC 20  
 Note: SEC A2 RESTRICTED TO MAJORS OTHER THAN SOC, P S A, AG SO, INDIS - CJ ST

**SOCIOLOGY**

(CONTINUED)

COMMUNITY SOC 310 3 CREDITS  
 Prereq: SOC 134  
 6321005 1 MWF 1:10-2:00  
 MEETS: AUG 26-DEC 20

SEX&GENDER IN SOCIE SOC 327 3 CREDITS  
 Prereq: SOC 134  
 Note: SEC A1 RESTRICTED TO SOC, P S A, AG SO, INDIS - CJ ST, W S MAJORS ONLY. SEC A2 RESTRICTED TO MAJORS OTHER THAN SOC, P S A, AG SO, INDIS - CJ ST, W S.  
 Meets U.S. diversity reqmt  
 6356005 A1 MWF 10:00-10:50 POPILLION A  
 MEETS: AUG 26-DEC 20  
 6356010 A2 MWF 10:00-10:50 POPILLION A  
 MEETS: AUG 26-DEC 20

MASCULINIT &MANHOOD SOC 328 3 CREDITS  
 Prereq: SOC 134 OR W S 201/WGS 201  
 Note: Meets U.S. diversity reqmt  
 2242005 1 MWF 1:10-2:00 GOEBEL M  
 MEETS: AUG 26-DEC 20

ETHNIC&RACE RELATNS SOC 330 3 CREDITS  
 Prereq: SOC 134  
 Note: Meets U.S. diversity reqmt  
 6352005 1 MWF 2:10-3:00 KUSOW A  
 MEETS: AUG 26-DEC 20

SOC CLASS & INEQUAL SOC 331 3 CREDITS  
 Prereq: SOC 134  
 Note: Meets U.S. diversity reqmt  
 6357005 1 TR 9:30-10:50 DOBRATZ B  
 MEETS: AUG 26-DEC 20

POLITICS & SOCIETY SOC 334 3 CREDITS  
 Prereq: A COURSE IN POLITICAL SCIENCE OR SOCIOLOGY  
 7401005 1 TR 2:10-3:30 DOBRATZ B  
 MEETS: AUG 26-DEC 20

POPULATION &SOCIETY SOC 345 3 CREDITS  
 Prereq: SOC 134  
 Note: Meets international perspectives reqmt  
 6359005 1 MWF 1:10-2:00  
 MEETS: AUG 26-DEC 20

GLBL POV&SUSTNB DEV SOC 348 3 CREDITS  
 Prereq: SOC 134  
 Note: Meets international perspectives reqmt  
 9576005 1 TR 12:40-2:00 OBERHAUSER A  
 MEETS: AUG 26-DEC 20

APPLIED ETHICS AG SOC 362 3 CREDITS  
 Prereq: ECON 101 OR SOC 134 OR SOC 130, JUNIOR OR SENIOR STATUS IN THE COLLEGE OF AGRICULTURE.  
 7564005 1 W 3:10-6:00PM  
 MEETS: AUG 26-DEC 20

SOCIOLOGY OF WORK SOC 380 3 CREDITS  
 Prereq: SOC 134  
 6362005 1 TR 11:00-12:20  
 MEETS: AUG 26-DEC 20

SMALL GROUP BEHAVR SOC 381 3 CREDITS  
 Prereq: SOC 305 OR PSYCH 280  
 6363005 1 TR 3:40-5:00 JONES-JOHNSON G  
 MEETS: AUG 26-DEC 20

ENVIRONMENTL SOCIOLOG SOC 382 3 CREDITS  
 Prereq: SOC 134 OR 3 CREDITS OF ENV S  
 7713005 1 TR 8:00-9:20  
 MEETS: AUG 26-DEC 20

CONTEM SOC THEORIES SOC 401 3 CREDITS  
 Prereq: 9 CREDITS IN SOC  
 6365005 1 TR 11:00-12:20 KRIER D  
 MEETS: AUG 26-DEC 20

SOC CHNGE DEV CNTRI SOC 411 3 CREDITS  
 Prereq: SOC 134 PLUS 3 CREDITS IN SOCIAL SCIENCES  
 Note: Meets international perspectives reqmt  
 6323005 1 TR 2:10-3:30  
 MEETS: AUG 26-DEC 20

CRIM &JUV JUST PRAC SOC 460 3-12 CREDITS  
 Prereq: JR/SR CLASSIFICATN; PERMISSN OF THE CJ ST COORDINATOR; MAJOR OR MINOR IN CJ ST OR SOC  
 Note: NO MORE THAN 9 CREDITS OF SOC 460/CJ ST 460 MAY BE APPLIED TOWARD GRADUATION. NO CREDITS IN SOC 460/CJ ST 460 MAY BE USED TO SATISFY MINIMUM SOCIOLOGY REQUIREMENTS FOR SOCIOLOGY MAJORS.  
 Satisfactory-Fail Only.  
 6370005 1 ARRANGED DELISI M  
 MEETS: AUG 26-DEC 20

SOCIOLOGY

(CONTINUED)

SOFTWARE ENGINEERING

(CONTINUED)

STRAT ENGAGE CMUNTY SOC 464 3 CREDITS  
 Prereq: 6 CREDITS IN SOC  
 6327005 1 TR 9:30-10:50 WELLS B  
 MEETS: AUG 26-DEC 20

INDEP STUDY GEN SOC SOC 490A 1- 3 CREDITS  
 Prereq: 6 CR IN SOC AND PERMISSION OF INSTRUCTOR  
 Note: STUDENTS IN THE COLLEGE OF AGRICULTURE MAY  
 APPLY NO MORE THAN 6 CREDITS OF SOC 490 TOWARD  
 THE TOTAL OF 128 CREDITS REQUIRED FOR GRADUATION.  
 STUDENTS IN THE LAS COLLEGE MAY APPLY NO MORE THAN  
 9 CREDITS OF SOC 490 TOWARD GRADUATION.  
 \*\*\*\*\*  
 SEE DEPT FOR REFERENCE NUMBERS

IND STUDY RURAL SOC SOC 490B 1- 3 CREDITS  
 Prereq: 6 CR IN SOC AND INSTRUCTOR PERMISSION  
 Note: STUDENTS IN THE COLLEGE OF AGRICULTURE MAY  
 APPLY NO MORE THAN 6 CREDITS OF SOC 490 TOWARD  
 THE TOTAL OF 128 CREDITS REQUIRED FOR GRADUATION.  
 STUDENTS IN THE LAS COLLEGE MAY APPLY NO MORE THAN  
 9 CREDITS OF SOC 490 TOWARD GRADUATION.  
 \*\*\*\*\*  
 SEE DEPT FOR REFERENCE NUMBERS

INDEP STUDY HONORS SOC 490H 1- 3 CREDITS  
 Prereq: 6 CR IN SOC AND PERMISSION OF INSTRUCTOR,  
 MEMBERSHIP IN UNIV HONORS PROGRAM  
 Note: STUDENTS IN THE COLLEGE OF AGRICULTURE MAY  
 APPLY NO MORE THAN 6 CREDITS OF SOC 490 TOWARD  
 THE TOTAL OF 128 CREDITS REQUIRED FOR GRADUATION.  
 STUDENTS IN THE LAS COLLEGE MAY APPLY NO MORE THAN  
 9 CREDITS OF SOC 490 TOWARD GRADUATION. RESTRICTED  
 TO UNIVERSITY HONORS PROGRAM STUDENTS ONLY.  
 \*\*\*\*\*  
 SEE DEPT FOR REFERENCE NUMBERS

CLASSICL SOC THEORY SOC 506 3 CREDITS  
 Prereq: SOC 401 OR SOC 505  
 4924005 1 W 5:30-8:30PM KRIER D  
 MEETS: AUG 26-DEC 20

AGROECOSYSMS ANALYS SOC 509 4 CREDITS  
 Prereq: SENIOR OR GRADUATE CLASSIFICATION;  
 PERMISSION OF INSTRUCTOR  
 Note: COURSE RESTRICTED SENIORS OR ABOVE.  
 OTHERS BY PERMISSION OF THE INSTRUCTOR.  
 4809005 1 TR 2:10-3:30 ARRANGED  
 MEETS: AUG 26-DEC 20  
 Note: REQUIRED FIELD TRIP WEEK BEFORE CLASSES BEGIN

SOC SCI RES MTHDLGY SOC 511 3 CREDITS  
 Prereq: SOC 302, STAT 401  
 6379005 1 TR 2:10-3:30 BOUFFARD J  
 MEETS: AUG 26-DEC 20

SEM SOC CHNG:TECHNL SOC 543C 3 CREDITS  
 Prereq: 6 CREDITS IN SOCIAL SCIENCES  
 4043005 1 TR 3:40-5:00 DORIOUS S  
 MEETS: AUG 26-DEC 20

SPCL TOPICS GEN SOC SOC 590A 1- 3 CREDITS  
 Prereq: 6 CR IN SOC; SR OR GRADUATE CLASSIFICATN  
 \*\*\*\*\*  
 SEE DEPT FOR REFERENCE NUMBERS

SPL TOPCS RURAL SOC SOC 590B 1- 3 CREDITS  
 Prereq: 6 CR IN SOC; SR OR GRADUATE CLASSIFICATN  
 \*\*\*\*\*  
 SEE DEPT FOR REFERENCE NUMBERS

ORIENTATION TO SOC SOC 591 1 CREDIT  
 Prereq: FORMAL ADMISSION INTO SOC GRAD PROGRAM  
 Satisfactory-Fail Only.  
 6406005 1 M 5:10-6:00PM BOUFFARD J  
 MEETS: AUG 26-DEC 20

MASTERS RES GEN SOC SOC 599A 1- 6 CREDITS  
 \*\*\*\*\*  
 SEE DEPT FOR REFERENCE NUMBERS

MASTERS RSRCH RURAL SOC 599B 1- 6 CREDITS  
 \*\*\*\*\*  
 SEE DEPT FOR REFERENCE NUMBERS

FOUND SUSTAINBLE AG SOC 610 3 CREDITS  
 Prereq: GRAD CLASSIFICATION, INSTRUCTOR PERMISSN  
 Note: COURSE IS FOR SUSAG MAJORS. NON-MAJORS BY  
 PERMISSION OF THE INSTRUCTOR.  
 7637005 1 TR 11:00-12:20  
 MEETS: AUG 26-DEC 20

RESEARCH GENERAL SOC SOC 699A 1- 8 CREDITS  
 \*\*\*\*\*  
 SEE DEPT FOR REFERENCE NUMBERS

RESEARCH RURAL SOC SOC 699B 1- 8 CREDITS  
 \*\*\*\*\*  
 SEE DEPT FOR REFERENCE NUMBERS

**SOFTWARE ENGINEERING**

SOFTWARE ENGR ORIENT S E 101 R CREDIT  
 Note: COURSE RESTRICTED TO S E MAJORS ONLY  
 Satisfactory-Fail Only.  
 7288005 1 T 9:00-9:50  
 MEETS: AUG 26-DEC 20  
 7288010 2 R 9:00-9:50  
 MEETS: AUG 26-DEC 20

SOFTWR ENGR CAREERS S E 166 R CREDIT  
 Satisfactory-Fail Only.  
 7290005 1 W 10:00-10:50  
 MEETS: AUG 26-DEC 20

PROB SOLV SFTWR ENG S E 185 3 CREDITS  
 Prereq: MATH 143 OR SATISFACTORY SCORES ON MATH  
 PLACEMENT EXAMS; CREDIT OR ENROLLMENT IN MATH 165  
 Note: CREDIT IN ONLY ONE OF THE FOLLOWING COURSES  
 MAY BE APPLIED TOWARD GRADUATION: M E 160, ENGR 160,  
 AER E 160, C E 160, A B E 160, CPR E 185, E E 185,  
 S E 185, I E 148, CH E 160  
 4922005 1 TR 8:00-8:50  
 F 8:00-9:50  
 MEETS: AUG 26-DEC 20  
 4922010 2 TR 8:00-8:50  
 T 6:10-8:00PM  
 MEETS: AUG 26-DEC 20  
 4922015 3 TR 8:00-8:50  
 T 12:10-2:00  
 MEETS: AUG 26-DEC 20  
 4922020 4 TR 8:00-8:50  
 T 2:10-4:00  
 MEETS: AUG 26-DEC 20  
 4922025 5 TR 8:00-8:50  
 W 8:00-9:50  
 MEETS: AUG 26-DEC 20  
 4922030 6 TR 8:00-8:50  
 T 4:10-6:00PM  
 MEETS: AUG 26-DEC 20  
 4922035 7 TR 8:00-8:50  
 M 12:10-2:00  
 MEETS: AUG 26-DEC 20  
 4922040 8 TR 8:00-8:50  
 R 2:10-4:00  
 MEETS: AUG 26-DEC 20

SOFTWR DEV PRACTCES S E 309 3 CREDITS  
 Prereq: COM S 228 WITH C- OR BETTER;  
 MATH 165 WITH C- OR BETTER  
 0032005 A MWF 3:10-4:00  
 MEETS: AUG 26-DEC 20  
 0032015 1 T 11:00-11:50  
 MEETS: AUG 26-DEC 20  
 0032020 2 T 3:10-4:00  
 MEETS: AUG 26-DEC 20  
 0032025 3 T 2:10-3:00  
 MEETS: AUG 26-DEC 20  
 0032030 4 T 3:10-4:00  
 MEETS: AUG 26-DEC 20  
 0032035 5 T 4:10-5:00  
 MEETS: AUG 26-DEC 20  
 0032040 6 T 4:10-5:00  
 MEETS: AUG 26-DEC 20

CONSTR USER INTRFAC S E 319 3 CREDITS  
 Prereq: COM S 228  
 7191005 1 MWF 2:10-3:00  
 MEETS: AUG 26-DEC 20

SOFTWARE PROJCT MGT S E 329 3 CREDITS  
 Prereq: COM S 309  
 7377005 1 TR 11:00-12:15  
 MEETS: AUG 26-DEC 20

SFTWR ARCHITC&DSIGN S E 339 3 CREDITS  
 Prereq: S E 319  
 7259005 1 TR 4:10-5:30  
 MEETS: AUG 26-DEC 20

PRIN Progr LANGUAGS S E 342 3 CREDITS  
 Prereq: C- OR BETTER IN COM S 228;  
 C- OR BETTER IN MATH 165; COM S 230 OR CPR E 310  
 Note: 2-PART COURSE. REGISTER FOR A LECTURE SEC  
 FIRST AND THEN A LAB SEC. STUDENTS WHO DON'T  
 REGISTER FOR BOTH LECTURE AND LAB SHOULD DROP THE  
 COURSE DUE TO INCOMPLETE REGISTRATION.  
 1043005 A TR 11:00-12:20  
 MEETS: AUG 26-DEC 20  
 1043100 1 M 12:10-1:00  
 MEETS: AUG 26-DEC 20  
 1043105 2 T 10:00-10:50  
 MEETS: AUG 26-DEC 20  
 1043110 3 W 9:00-9:50  
 MEETS: AUG 26-DEC 20

OBJECT-ORIEN ANALY&D S E 362 3 CREDITS  
 Prereq: C- OR BETTER IN COM S 228;  
 C- OR BETTER IN MATH 165; ENGL 250  
 0033005 1 TR 3:40-5:00  
 MEETS: AUG 26-DEC 20

SUMMER INTERNSHIP S E 396 R CREDIT  
 Prereq: PERMISSION OF DEPARTMENT AND ENGINEERING  
 CAREER SERVICES  
 Satisfactory-Fail Only.  
 \*\*\*\*\*  
 SEE DEPT FOR REFERENCE NUMBERS

SOFTWARE ENGINEERING (CONTINUED)

COOPERATIVE EDUCATN S E 398 R CREDIT  
 Prereq: PERMISSION OF DEPARTMENT AND ENGINEERING CAREER SERVICES  
 Satisfactory-Fail Only.  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

SOFTWRE REQMTS ENGR S E 409 3 CREDITS  
 Prereq: COM S 309, 319  
 7215005 1 TR 9:30-10:50  
 MEETS: AUG 26-DEC 20

SOFTWARE TESTING S E 417 3 CREDITS  
 Prereq: COM S 309; COM S 330 OR CPR E 310, ENGL 250, SP CM 212  
 7221005 1 TR 8:00-9:20  
 MEETS: AUG 26-DEC 20

SFTWRE SAFETY ANALY S E 421 3 CREDITS  
 Prereq: COM S 309; CPR E 310 OR COM S 230  
 8648005 1 MWF 12:10-1:00  
 MEETS: AUG 26-DEC 20

INDEPENDENT STUDY S E 490 VAR. CREDITS  
 Prereq: SENIOR CLASSIFICATION IN SOFTWARE ENGR  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

SR DESIGN PROJECT I S E 491 3 CREDITS  
 Prereq: S E 329; S E 339; CPR E 308 OR COM S 352; ENGL 309 OR ENGL 314  
 7366005 1 T 2:10-4:00, ARRANGED  
 MEETS: AUG 26-DEC 20

SR DSIGN PROJECT II S E 492 2 CREDITS  
 Prereq: S E 491  
 7371005 1 R 2:10-3:00, ARRANGED  
 MEETS: AUG 26-DEC 20

S E PORTFOLIO DEVEL S E 494 R CREDIT  
 Prereq: CREDIT OR ENROLLMENT IN S E 491  
 6467005 1 M 4:10-5:00  
 MEETS: AUG 26-DEC 20

SPANISH

ACCEL SPNISH REVIEW SPAN 97 0 CREDITS  
 Prereq: TWO YEARS BUT LESS THAN THREE YEARS OF HIGH-SCHOOL SPANISH  
 Note: DEVELOPMENTAL WORLD LANGUAGES FEE APPLIES. SEE TUITION AND FEES WEBSITE FOR MORE INFORMATION ON FEE.  
 8246005 1 TR 11:00-12:20  
 MEETS: AUG 26-DEC 20  
 8246010 2 TR 9:30-10:50  
 MEETS: AUG 26-DEC 20

ELEMENTRY SPANISH I SPAN 101 4 CREDITS  
 Note: STUDENTS WHO HAVE COMPLETED ONE OR MORE YEARS OF HIGH SCHOOL SPANISH MAY NOT ENROLL IN 101. TESTOUT NOT AVAILABLE IF ALSO REGISTERED. FOR PERMISSION TO ADD PLEASE CALL 294-8988.  
 6473005 1 MTWR 9:00-9:50  
 MEETS: AUG 26-DEC 20  
 6473020 2 MTWR 10:00-10:50  
 MEETS: AUG 26-DEC 20  
 6473035 3 MTWR 11:00-11:50  
 MEETS: AUG 26-DEC 20  
 6473025 4 MTWR 2:10-3:00  
 MEETS: AUG 26-DEC 20

ELEM SPANISH II SPAN 102 4 CREDITS  
 Prereq: SPAN 101, SPAN 97 OR PLACEMENT BY DEPARTMENTAL EXAM  
 Note: Meets international perspectives reqmt  
 6474005 1 MTWR 11:00-11:50  
 MEETS: AUG 26-DEC 20  
 6474010 2 MTWR 12:10-1:00  
 MEETS: AUG 26-DEC 20

INTERMED SPANISH I SPAN 201 4 CREDITS  
 Prereq: SPAN 102 OR PLACEMENT BY DEPARTMENTAL EXAM  
 Note: TESTOUT NOT AVAILABLE IF ALSO REGISTERED  
 Meets international perspectives reqmt  
 6477005 1 TWR 10:00-10:50  
 M 10:00-10:50  
 MEETS: AUG 26-DEC 20  
 6477010 2 TWR 11:00-11:50  
 M 11:00-11:50  
 MEETS: AUG 26-DEC 20  
 6477015 3 TWR 12:10-1:00  
 M 12:10-1:00  
 MEETS: AUG 26-DEC 20  
 6477020 4 TWR 1:10-2:00  
 M 1:10-2:00  
 MEETS: AUG 26-DEC 20  
 6477025 5 TWR 2:10-3:00  
 M 2:10-3:00  
 MEETS: AUG 26-DEC 20

SPANISH (CONTINUED)

INTERMED SPANISH II SPAN 202 4 CREDITS  
 Prereq: SPAN 201 OR PLACEMENT BY DEPARTMENTAL EXAM  
 Note: ADMISSION TO SPAN 202 BY PLACEMENT ONLY, SEE DEPT. TESTOUT NOT AVAILABLE IF ALSO REGISTERED.  
 Meets international perspectives reqmt  
 6478005 1 MTR 11:00-11:50  
 W 11:00-11:50  
 MEETS: AUG 26-DEC 20

INTSVE INTRMED SPAN SPAN 297 4 CREDITS  
 Prereq: FOUR YEARS OF HIGH SCHOOL SPANISH, TWO YEARS OF SPANISH AT A COMMUNITY COLLEGE, SPAN 201, OR EQUIVALENT BY PLACEMENT  
 Note: CREDIT IN ONLY ONE OF THE FOLLOWING COURSES MAY BE APPLIED TOWARD GRADUATION: SPAN 285B, SPAN 285C, SPAN 297  
 Meets international perspectives reqmt  
 9101005 1 MTWR 10:00-10:50  
 MEETS: AUG 26-DEC 20

CONVERS THRU CULTUR SPAN 303A 3 CREDITS  
 Prereq: SPAN 202 OR PLACEMENT BY DEPARTMENTAL EXAM  
 Note: Meets international perspectives reqmt  
 6142005 1 MWF 9:00-9:50  
 MEETS: AUG 26-DEC 20  
 6142010 2 MWF 10:00-10:50  
 MEETS: AUG 26-DEC 20  
 6142015 3 TR 9:30-10:50  
 MEETS: AUG 26-DEC 20  
 6142020 4 TR 11:00-12:20  
 MEETS: AUG 26-DEC 20

CONVERS FOR PROFSNL SPAN 303B 3 CREDITS  
 Prereq: SPAN 202 OR PLACEMENT BY DEPARTMENTAL EXAM  
 Note: Meets international perspectives reqmt  
 6160005 1 MWF 10:00-10:50  
 MEETS: AUG 26-DEC 20  
 6160010 2 MWF 11:00-11:50  
 MEETS: AUG 26-DEC 20  
 6160015 3 TR 12:40-2:00  
 MEETS: AUG 26-DEC 20  
 6160020 4 TR 11:00-12:20  
 MEETS: AUG 26-DEC 20

SPANISH FOR PROFSNL SPAN 304 3 CREDITS  
 Prereq: SPAN 202 OR PLACEMENT BY DEPARTMENTAL EXAM; SPAN 303B RECOMMENDED  
 Note: Meets international perspectives reqmt  
 6482005 1 MWF 2:10-3:00  
 MEETS: AUG 26-DEC 20  
 6482010 2 TR 11:00-12:20  
 MEETS: AUG 26-DEC 20

SPANISH SPEAKERS SPAN 305X 3 CREDITS  
 Note: Meets U.S. diversity reqmt  
 0013005 1 M 3:10-5:00, ARRANGED  
 MEETS: AUG 26-DEC 20  
 Note: SEC 1 HYBRID

TXTUAL&MEDIA ANALYS SPAN 314 3 CREDITS  
 Prereq: SPAN 303A OR SPAN 303B  
 Note: Meets international perspectives reqmt  
 8894005 1 MWF 11:00-11:50  
 MEETS: AUG 26-DEC 20  
 8894010 2 TR 9:30-10:50  
 MEETS: AUG 26-DEC 20

SPANISH CIVILIZATN SPAN 321 3 CREDITS  
 Prereq: ONE SPAN COURSE AT THE 300 LEVEL  
 Note: Meets international perspectives reqmt  
 6483005 1 TR 9:30-10:50  
 MEETS: AUG 26-DEC 20

SPAN LITERATUR STDI SPAN 330 3 CREDITS  
 Prereq: SPAN 314  
 Note: Meets international perspectives reqmt  
 6485005 1 MWF 10:00-10:50  
 MEETS: AUG 26-DEC 20

INTR SPANSH PHONOLG SPAN 352 3 CREDITS  
 Prereq: SPAN 303A OR SPAN 303B OR SPAN 304  
 Note: Meets international perspectives reqmt  
 3382005 1 TR 2:10-3:30  
 MEETS: AUG 26-DEC 20

SEM LIT&CUL LATN AM SPAN 445 3 CREDITS  
 Prereq: SPAN 330, SPAN 331, SPAN 332, OR SPAN 333 (RECOMMEND SPAN 332 & SPAN 333)  
 Note: Meets international perspectives reqmt  
 6496005 1 MWF 2:10-3:00  
 MEETS: AUG 26-DEC 20

SPANISH

(CONTINUED)

INDEPENDENT STUDY SPAN 490 1- 6 CREDITS  
 Prereq: 6 CR IN SPANISH; PERMISSION OF DEPT CHAIR  
 Note: NO MORE THAN 6 CREDITS IN SPAN 490 MAY BE  
 APPLIED TOWARD GRADUATION  
 Permission of department chair required.  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

SPANISH INTERNSHIP SPAN 499 1- 3 CREDITS  
 Prereq: 9 CREDITS OF SPAN AT 300 LEVEL; PERMISSN  
 OF ADVISER AND WORLD LANGUAGES AND CULTURES  
 INTERNSHIP COORDINATOR  
 Note: NO MORE THAN 3 CREDITS IN SPAN 499 MAY BE  
 APPLIED TOWARD GRADUATION IN THE MAJOR  
 Department permission required.  
 Satisfactory-Fail Only.  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

SEM LIT&CUL LATN AM SPAN 545 3 CREDITS  
 Prereq: 6 CREDITS IN SPANISH LIT OR CULTURE AT  
 400 LEVEL  
 7468005 1 MWF 2:10-3:00  
 MEETS: AUG 26-DEC 20

SPL TOP LINGUISTICS SPAN 590B 1- 4 CREDITS  
 Prereq: PERMSN OF INSTRUCTOR; 6 CR 400-LEVEL SPAN  
 2588005 1 ARRANGED  
 MEETS: AUG 26-DEC 20

SPL TOP SPAN CIVLZN SPAN 590D 1- 4 CREDITS  
 Prereq: PERMSN OF INSTRUCTOR; 6 CR 400-LEVEL SPAN  
 3907005 1 ARRANGED  
 MEETS: AUG 26-DEC 20

**SPECIAL EDUCATION**

EXCEPTIONAL LEARNER SP ED 250 3 CREDITS  
 Prereq: EDUC 204 OR EDUC 205  
 Note: Meets U.S. diversity reqmt  
 6452005 1 MWF 9:00-9:50  
 MEETS: AUG 26-DEC 20

INTR INST MI/M DSAB SP ED 330 3 CREDITS  
 Prereq: SP ED 250, CONCURRENT ENROLLMENT IN  
 EDUC 280I, EDUC 377  
 Note: ADMISSION TO EDUCATOR PREPARATION PROGRAM  
 2260005 1 TR 2:10-3:25  
 MEETS: AUG 26-DEC 20

EXCEP LRN GEN CLASS SP ED 334 3 CREDITS  
 Prereq: CONCURRENT ENROLLMENT IN SP ED 330  
 Note: ADMISSION TO EDUCATOR PREPARATION PROGRAM  
 6461005 1 TR 3:40-5:00  
 MEETS: AUG 26-DEC 20

TCH SCDRY EXCEP GEN SP ED 401 3 CREDITS  
 5059005 1 TR 8:00-9:15  
 MEETS: AUG 26-DEC 20

ASMT&INSTR INCLS K3 SP ED 405 4 CREDITS  
 Prereq: SP ED 250 OR EQUIVALENT, EDUC 377,  
 EDUC 438; ADMISSION TO TEACHER EDUCATION;  
 CONCURRENT ENROLLMENT IN SP ED 458, EDUC 433,  
 EDUC 439, EDUC 468I  
 5773005 1 MW 11:00-1:30  
 MEETS: AUG 26-DEC 20

SUPV STUDENT TEACHG SP ED 416 VAR. CREDITS  
 Prereq: FULL ADMISSION TO TEACHER EDUC, SENIOR  
 CLASSIFICATION, MAJOR IN ELEMENTARY EDUC, SP ED 330,  
 SP ED 334, SP ED 365, SP ED 436, SP ED 439,  
 EDUC 280I, EDUC 452  
 Note: COURSE RESTRICTED TO EL ED MAJORS WITH FULL  
 OR TENTATIVE ADMISSION TO THE UNIVERSITY TEACHER  
 EDUCATION PROGRAM  
 Department permission required 1st week.  
 3286005 1A ARRANGED  
 MEETS: OCT 21-DEC 20

Note: SEC 1A OFFERED FOR 8 CREDITS. FOR STUDENTS  
 TEACHING IN CENTRAL IOWA.  
 3286010 1R ARRANGED  
 MEETS: OCT 21-DEC 20

Note: SEC 1R OFFERED FOR 8 CREDITS. FOR STUDENTS  
 TEACHING OUTSIDE CENTRAL IOWA.  
 3286015 2A ARRANGED  
 MEETS: AUG 26-OCT 18

Note: SEC 2A OFFERED FOR 8 CREDITS. FOR STUDENTS  
 TEACHING IN CENTRAL IOWA.  
 3286020 2R ARRANGED  
 MEETS: AUG 26-OCT 18

Note: SEC 2R OFFERED FOR 8 CREDITS. FOR STUDENTS  
 TEACHING OUTSIDE CENTRAL IOWA.

PRE-TCHG III:M DSBL SP ED 459 1 CREDIT  
 Prereq: SP ED 330, SP ED 334, SP ED 365,  
 SP ED 436; ADMISSION TO UNIVERSITY TEACHER ED PROGRAM  
 Note: ADMISSION TO EDUCATOR PREPARATION PROGRAM  
 Satisfactory-Fail Only.  
 1883005 1 ARRANGED  
 MEETS: AUG 26-DEC 20

SPECIAL EDUCATION

(CONTINUED)

SPECIAL ED SEMINAR SP ED 460 1 CREDIT  
 Prereq: SP ED 436 AND CONCURRENT ENROLLMENT  
 IN SP ED 459  
 Note: ADMISSION TO EDUCATOR PREPARATION PROGRAM  
 1360005 1 R 11:00-11:50  
 MEETS: AUG 26-DEC 20

COLLAB PARTNERSHIPS SP ED 464 3 CREDITS  
 Prereq: SP ED 365, SP ED 436  
 Note: ADMISSION TO EDUCATOR PREPARATION PROGRAM  
 7963005 1 W 5:10-8:00PM  
 MEETS: AUG 26-DEC 20

INDEPENDENT STUDY SP ED 490 1- 5 CREDITS  
 Prereq: 12 CR IN EL ED  
 Note: Department permission required 1st week.  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

ASSESS CHLD DISABIL SP ED 515 3 CREDITS  
 Prereq: SP ED 510 OR SP ED 511  
 6465005 1 M 5:10-8:00PM  
 ARRANGED  
 MEETS: AUG 26-DEC 20

TCH STRUGL ADOL RDR SP ED 553 3 CREDITS  
 Prereq: TEACHING LICENSE OR SENIOR CLASSIFICATION  
 7663005 1 W 5:10-8:00PM  
 MEETS: AUG 26-DEC 20

SPECIAL TOPICS SP ED 590 1- 5 CREDITS  
 Prereq: 6 CREDITS IN EDUC  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

SUPV FLD EXP BHV/DS SP ED 591K 1- 6 CREDITS  
 Prereq: 15 GRAD CREDITS IN SPECIAL AREA;  
 ADMISSION TO GRAD PROGRAM IN SPECIAL EDUCATION  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

CREATIVE COMPONENT SP ED 599 1- 5 CREDITS  
 Prereq: 15 CREDITS IN EDUCATION  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

RESEARCH SP ED 699 VAR. CREDITS  
 Prereq: 15 CREDITS IN EDUCATION  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

**SPEECH COMMUNICATION**

LISTENING SP CM 110 3 CREDITS  
 6418005 1 MWF 12:10-1:00  
 MEETS: AUG 26-DEC 20

FUND PUBLIC SPEAKNG SP CM 212 3 CREDITS  
 8643005 1 MWF 8:00-8:50  
 MEETS: AUG 26-DEC 20  
 8643010 2 MWF 9:00-9:50  
 MEETS: AUG 26-DEC 20  
 8643015 3 MWF 9:00-9:50  
 MEETS: AUG 26-DEC 20  
 8643020 4 MWF 8:00-8:50  
 MEETS: AUG 26-DEC 20  
 8643025 5 MWF 10:00-10:50  
 MEETS: AUG 26-DEC 20  
 8643030 6 MWF 11:00-11:50  
 MEETS: AUG 26-DEC 20  
 8643035 7 MWF 11:00-11:50  
 MEETS: AUG 26-DEC 20  
 8643040 8 MWF 12:10-1:00  
 MEETS: AUG 26-DEC 20  
 8643045 9 MWF 12:10-1:00  
 MEETS: AUG 26-DEC 20  
 8643050 10 MWF 8:00-8:50  
 MEETS: AUG 26-DEC 20  
 8643055 11 MWF 11:00-11:50  
 MEETS: AUG 26-DEC 20  
 8643060 12 MWF 2:10-3:00  
 MEETS: AUG 26-DEC 20  
 8643065 13 MWF 2:10-3:00  
 MEETS: AUG 26-DEC 20  
 8643070 14 MWF 2:10-3:00  
 MEETS: AUG 26-DEC 20  
 8643075 15 MWF 8:00-8:50  
 MEETS: AUG 26-DEC 20  
 8643080 16 MWF 9:00-9:50  
 MEETS: AUG 26-DEC 20  
 8643085 17 MWF 12:10-1:00  
 MEETS: AUG 26-DEC 20  
 8643090 18 MWF 2:10-3:00  
 MEETS: AUG 26-DEC 20  
 8643095 19 MWF 3:10-4:00  
 MEETS: AUG 26-DEC 20  
 8643100 20 MWF 8:00-8:50  
 MEETS: AUG 26-DEC 20  
 8643105 21 MWF 9:00-9:50  
 MEETS: AUG 26-DEC 20  
 8643110 22 MWF 10:00-10:50  
 MEETS: AUG 26-DEC 20  
 8643115 23 MWF 11:00-11:50  
 MEETS: AUG 26-DEC 20  
 8643120 24 MWF 12:10-1:00  
 MEETS: AUG 26-DEC 20  
 8643125 25 TR 8:00-9:20  
 MEETS: AUG 26-DEC 20  
 8643130 26 TR 2:10-3:30  
 MEETS: AUG 26-DEC 20

SPEECH COMMUNICATION (CONTINUED)

FUND PUBLIC SPEAKNG SP CM 212 3 CREDITS  
 8643135 27 MWF 10:00-10:50  
 MEETS: AUG 26-DEC 20  
 8643140 28 TR 11:00-12:20  
 MEETS: AUG 26-DEC 20  
 8643145 29 TR 8:00-9:20  
 MEETS: AUG 26-DEC 20  
 8643150 30 TR 2:10-3:30  
 MEETS: AUG 26-DEC 20  
 8643155 31 TR 12:40-2:00  
 MEETS: AUG 26-DEC 20  
 8643160 32 TR 8:00-9:20  
 MEETS: AUG 26-DEC 20  
 8643165 33 MWF 10:00-10:50  
 MEETS: AUG 26-DEC 20  
 8643170 34 MWF 11:00-11:50  
 MEETS: AUG 26-DEC 20  
 8643175 35 MWF 12:10-1:00  
 MEETS: AUG 26-DEC 20  
 8643180 36 TR 8:00-9:20  
 MEETS: AUG 26-DEC 20  
 8643185 37 TR 11:00-12:20  
 MEETS: AUG 26-DEC 20  
 8643190 38 TR 9:30-10:50  
 ARRANGED  
 MEETS: AUG 26-DEC 20  
 Note: SEC 38 COURSE DELIVERY IS WEB AND CLASSROOM  
 BLENDED WITH 50% OF CLASS MEETINGS TAKING PLACE  
 ONLINE. ON-CAMPUS CLASSROOM MEETINGS HELD ON AUG 27,  
 SEPT 3,11,17,24 OCT 1,3,22,29,31, NOV 5,7,28  
 DEC 3,5.  
 8643195 39 TR 8:00-9:20  
 MEETS: AUG 26-DEC 20  
 8643200 40 TR 12:40-2:00  
 MEETS: AUG 26-DEC 20  
 8643205 41 TR 12:40-2:00  
 ARRANGED  
 MEETS: AUG 26-DEC 20  
 Note: SEC 41 COURSE DELIVERY IS WEB AND CLASSROOM  
 BLENDED WITH 50% OF CLASS MEETINGS TAKING PLACE  
 ONLINE. ON-CAMPUS CLASSROOM MEETINGS HELD ON AUG 27,  
 SEPT 3,11,17,24 OCT 1,3,22,29,31, NOV 5,7,28  
 DEC 3,5.  
 8643210 42 TR 12:40-2:00  
 MEETS: AUG 26-DEC 20  
 GREAT AMER SPEECHES SP CM 216 3 CREDITS  
 Note: Meets U.S. diversity reqmt  
 4976005 1 MWF 12:10-1:00  
 MEETS: AUG 26-DEC 20  
 ANLYS POP CULTR TXT SP CM 275 3 CREDITS  
 Prereq: ENGL 250 OR EQUIVALENT  
 1325005 1 TR 8:00-9:20  
 MEETS: AUG 26-DEC 20  
 1325010 2 MWF 11:00-11:50  
 MEETS: AUG 26-DEC 20  
 SPECIAL PROJECTS SP CM 290 1- 2 CREDITS  
 Prereq: 3 CREDITS IN SP CM; PERMISSION OF  
 PROGRAM DIRECTOR  
 Note: NO CREDITS IN SP CM 290 MAY BE APPLIED TOWARD THE  
 MINIMUM REQUIRED CREDITS FOR THE MAJOR. NO CREDITS  
 IN SP CM 290 MAY BE APPLIED TOWARD THE MINOR.  
 Department permission required.  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS  
 LANGUAG,THOUGHT&ACT SP CM 305 3 CREDITS  
 Prereq: ENGL 250  
 Note: Instructor permission required 1st week.  
 6427005 1 TR 9:30-10:50  
 MEETS: AUG 26-DEC 20  
 BUSINESS&PRO SPEAKG SP CM 312 3 CREDITS  
 Prereq: SP CM 212  
 Note: SEC A1,B1 ETC RESTRICTED TO SP CM MAJORS  
 ONLY. SEC A2,B2 FOR MAJORS OTHER THAN SP CM.  
 6429005 A1 TR 11:00-12:20  
 ARRANGED  
 MEETS: AUG 26-DEC 20  
 Note: SEC A1 COURSE DELIVERY IS WEB AND CLASSROOM  
 BLENDED WITH 50% OF CLASS MEETINGS TAKING PLACE  
 ONLINE. ON-CAMPUS CLASSROOM MEETING DATES ANNOUNCED  
 IN CLASSROOM ON AUG 27.  
 6429010 A2 TR 11:00-12:20  
 ARRANGED  
 MEETS: AUG 26-DEC 20  
 Note: SEC A2 COURSE DELIVERY IS WEB AND CLASSROOM  
 BLENDED WITH 50% OF CLASS MEETINGS TAKING PLACE  
 ONLINE. ON-CAMPUS CLASSROOM MEETING DATES ANNOUNCED  
 IN CLASSROOM ON AUGUST 27ND. RESTRICTED TO MAJORS  
 OTHER THAN SP CM.  
 6429015 B1 MWF 9:00-9:50  
 MEETS: AUG 26-DEC 20  
 6429020 B2 MWF 9:00-9:50  
 MEETS: AUG 26-DEC 20  
 Note: SEC B2 RESTRICTED TO MAJORS OTHER THAN SP CM  
 6429025 C1 MWF 10:00-10:50  
 MEETS: AUG 26-DEC 20  
 6429030 C2 MWF 10:00-10:50  
 MEETS: AUG 26-DEC 20  
 Note: SEC C2 RESTRICTED TO MAJORS OTHER THAN SP CM

SPEECH COMMUNICATION (CONTINUED)

ARGUMNTN,CRIT THINK SP CM 322 3 CREDITS  
 Prereq: SP CM 212  
 Note: Instructor permission required 1st week.  
 6435005 1 MW 3:10-4:30  
 MEETS: AUG 26-DEC 20  
 GENDER & COMMUNICTN SP CM 323 3 CREDITS  
 Note: Meets U.S. diversity reqmt  
 2640005 1 MWF 2:10-3:00  
 MEETS: AUG 26-DEC 20  
 2640010 2 MWF 12:10-1:00  
 MEETS: AUG 26-DEC 20  
 HIST AM PBLC ADDRSS SP CM 416 3 CREDITS  
 Prereq: SP CM 212  
 6440005 1 TR 3:40-5:00  
 MEETS: AUG 26-DEC 20  
 INDEPENDENT STUDY SP CM 490 1- 3 CREDITS  
 Prereq: 18 CREDITS IN SP CM, JUNIOR CLASSIFICATN,  
 PERMISSION OF PROGRAM DIRECTOR  
 Note: NO CREDITS IN SP CM 490 MAY BE APPLIED TOWARD THE  
 MINOR  
 Department permission required.  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS  
 TEACHING SPEECH SP CM 495B 3 CREDITS  
 Prereq: SP CM 313; 9 CR IN SP CM; MINIMUM GPA  
 OF 2.5 IN SP CM COURSES  
 6446005 1 ARRANGED  
 MEETS: AUG 26-DEC 20  
 Note: Instructor permission required.  
 COMMUNIC INTERNSHIP SP CM 499 1- 3 CREDITS  
 Prereq: 18 CR IN SP CM COURSES, OTHER COURSES  
 ADVISER DEEMS APPROPRIATE; 2ND SEMESTER JR OR SR  
 STANDING; CUM GPA OF AT LEAST 2.5 OVERALL & 3.0  
 IN SP CM; PERMISSION OF THE INTERNSHIP COMMITTEE  
 Note: NO CREDITS IN SP CM 499 MAY BE APPLIED TOWARD THE  
 MINIMUM REQUIRED CREDITS FOR THE MAJOR. NO CREDITS  
 IN SP CM 499 MAY BE APPLIED TOWARD THE MINOR.  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS  
 TCH FUND PUBLIC SPK SP CM 513 1 CREDIT  
 Prereq: PERMISSION OF INSTRUCTOR  
 2093005 1 TR 9:30-10:50  
 MEETS: AUG 26-DEC 20  
 SPECIAL TOPICS SP CM 590 1- 4 CREDITS  
 Prereq: PERMISSION OF PROGRAM CHAIR  
 Note: NO CREDITS IN SP CM 590 MAY BE APPLIED TOWARD THE  
 MINIMUM REQUIRED CREDITS FOR THE MAJOR. NO CREDITS  
 IN SP CM 590 MAY BE APPLIED TOWARD THE MINOR.  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS  
 CORE STUDI:RHETORIC SP CM 592A 3 CREDITS  
 Prereq: 12 CR IN RHETORIC, LINGUISTICS, OR LIT  
 EXCLUDING ENGL 150 AND ENGL 250  
 1374005 1 T 3:10-6:00PM  
 MEETS: AUG 26-DEC 20  
 CORE STU:PRO CMUNIC SP CM 592C 3 CREDITS  
 Prereq: 12 CR IN RHETORIC, LINGUISTICS, OR LIT  
 EXCLUDING ENGL 150 AND ENGL 250  
 Note: RESTRICTED TO MASTERS IN ACCOUNTING  
 1388005 1 TR 12:40-2:20  
 MEETS: AUG 26-NOV 15

STATISTICS

STATISTICS ORIENTAT STAT 100 R CREDIT  
 Satisfactory-Fail Only.  
 6501005 1 W 12:10-1:00  
 MEETS: AUG 26-DEC 20  
 PRIN OF STATISTICS STAT 101 4 CREDITS  
 Prereq: ONE AND A HALF YRS OF H S ALGEBRA  
 Note: COURSE NOT OPEN TO BUSINESS COLLEGE MAJORS.  
 CREDIT FOR ONLY ONE OF THE FOLLOWING MAY BE  
 APPLIED TOWARD GRADUATION: STAT 101, STAT 104,  
 STAT 105, STAT 201, STAT 226.  
 6502005 1 MWF 9:00-9:50  
 M 12:10-2:00  
 MEETS: AUG 26-DEC 20  
 Note: Instructor permission required 1st week.  
 6502010 2 MWF 9:00-9:50  
 M 2:10-4:00  
 MEETS: AUG 26-DEC 20  
 Note: Instructor permission required 1st week.  
 6502015 3 MWF 10:00-10:50  
 T 2:10-4:00  
 MEETS: AUG 26-DEC 20  
 Note: Instructor permission required 1st week.  
 6502020 4 MWF 10:00-10:50  
 T 4:10-6:00PM  
 MEETS: AUG 26-DEC 20  
 Note: Instructor permission required 1st week.  
 6502025 5 MWF 11:00-11:50  
 W 12:10-2:00  
 MEETS: AUG 26-DEC 20  
 Note: Instructor permission required 1st week.  
 6502030 6 MWF 11:00-11:50  
 W 2:10-4:00  
 MEETS: AUG 26-DEC 20  
 Note: Instructor permission required 1st week.

## STATISTICS

(CONTINUED)

PRIN OF STATISTICS STAT 101 4 CREDITS  
 6502035 7 MWF 3:10-4:00  
 R 2:10-4:00  
 MEETS: AUG 26-DEC 20  
 Note: Instructor permission required 1st week.

6502040 8 MWF 3:10-4:00  
 R 4:10-6:00PM  
 MEETS: AUG 26-DEC 20  
 Note: Instructor permission required 1st week.

6502045 9 MWF 2:10-3:00  
 T 10:00-11:50  
 MEETS: AUG 26-DEC 20  
 Note: Instructor permission required 1st week.

6502050 10 MWF 2:10-3:00  
 T 12:10-2:00  
 MEETS: AUG 26-DEC 20  
 Note: Instructor permission required 1st week.

6502055 11 MWF 1:10-2:00  
 W 8:00-9:50  
 MEETS: AUG 26-DEC 20  
 Note: Instructor permission required 1st week.

6502060 12 MWF 1:10-2:00  
 W 10:00-11:50  
 MEETS: AUG 26-DEC 20  
 Note: Instructor permission required 1st week.

INTRO TO STATISTICS STAT 104 3 CREDITS  
 Prereq: 1 & 1/2 YRS OF H S ALGEBRA  
 Note: COURSE NOT OPEN TO BUSINESS COLLEGE MAJORS.  
 CREDIT FOR ONLY ONE OF THE FOLLOWING MAY BE  
 APPLIED TOWARD GRADUATION: STAT 101, STAT 104,  
 STAT 105, STAT 201, STAT 226.  
 Instructor permission required 1st week.  
 Night exams scheduled. For dates go to  
<http://www.registrar.iastate.edu/students/exams/night-exams>.

6503005 1 TR 8:00-8:50  
 F 8:00-9:50  
 MEETS: AUG 26-DEC 20

6503010 2 TR 8:00-8:50  
 F 10:00-11:50  
 MEETS: AUG 26-DEC 20

6503015 3 MW 11:00-11:50  
 R 12:10-2:00  
 MEETS: AUG 26-DEC 20

6503020 4 TR 2:10-3:00  
 F 2:10-4:00  
 MEETS: AUG 26-DEC 20

6503025 5 TR 2:10-3:00  
 F 12:10-2:00  
 MEETS: AUG 26-DEC 20

6503030 6 MW 9:00-9:50  
 R 10:00-11:50  
 MEETS: AUG 26-DEC 20

INTRO STAT FOR ENGR STAT 105 3 CREDITS  
 Prereq: MATH 165  
 Note: RESTRICTED TO MTEOR, COM S, P CS AND COLLEGE OF  
 ENGINEERING MAJORS. CREDIT FOR EITHER STAT 105 OR  
 STAT 305, BUT NOT BOTH, MAY BE APPLIED TOWARD  
 GRADUATION. CREDIT FOR ONLY ONE OF THE FOLLOWING MAY  
 BE APPLIED TOWARD GRADUATION: STAT 101, STAT 104,  
 STAT 105, STAT 201, STAT 226.

6504005 1 TR 9:30-10:50  
 MEETS: AUG 26-DEC 20

INTR BUSINES STAT I STAT 226 3 CREDITS  
 Prereq: MATH 150 OR MATH 165  
 Note: CREDIT FOR ONLY ONE OF THE FOLLOWING MAY BE  
 APPLIED TOWARD GRADUATION: STAT 226, STAT 101,  
 STAT 104, STAT 105, STAT 201. ON-CAMPUS SECTIONS  
 RESTRICTED TO ACCT, AG B, BUS S, BUSAD, BUS U, BUSEC,  
 ECON, ENTSP, FIN, I BUS, MGMT, MIS, MKT, P BUS,  
 SCM MAJORS.  
 Night exams scheduled. For dates go to  
<http://www.registrar.iastate.edu/students/exams/night-exams>.

3975005 1 TR 9:30-10:50  
 MEETS: AUG 26-DEC 20

3975010 2 TR 9:30-10:50  
 MEETS: AUG 26-DEC 20

3975015 3 TR 2:10-3:50  
 MEETS: AUG 26-DEC 20

3975020 4 TR 2:10-3:30  
 MEETS: AUG 26-DEC 20

3975025 5 TR 3:40-5:00  
 MEETS: AUG 26-DEC 20

3975030 6 TR 9:30-10:50  
 MEETS: AUG 26-DEC 20

3975035 7 TR 8:00-9:20  
 MEETS: AUG 26-DEC 20

3975040 8 TR 11:00-12:20  
 MEETS: AUG 26-DEC 20

3975045 9 TR 12:40-2:00  
 MEETS: AUG 26-DEC 20

## STATISTICS

(CONTINUED)

PROB&INFERNC, ENGRS STAT 231 4 CREDITS  
 Prereq: CREDIT OR ENROLLMENT IN MATH 265  
 (OR MATH 265H)  
 Note: Instructor permission required 1st week.

6507005 1 MTRF 12:10-1:00  
 MEETS: AUG 26-DEC 20

INTMD STT CNCPT&MTH STAT 301 4 CREDITS  
 Prereq: STAT 101 OR STAT 104 OR STAT 105 OR  
 STAT 201  
 Note: CREDIT FOR ONLY ONE OF THE FOLLOWING COURSES  
 MAY BE APPLIED TOWARD GRADUATION: STAT 301,  
 STAT 326, STAT 401

4710005 1 MWF 9:00-9:50  
 R 12:10-2:00  
 MEETS: AUG 26-DEC 20

4710010 2 MWF 11:00-11:50  
 R 4:10-6:00PM  
 MEETS: AUG 26-DEC 20

ENGINEERING STAT STAT 305 3 CREDITS  
 Prereq: MATH 165  
 Note: CREDIT FOR EITHER STAT 105 OR STAT 305, BUT  
 NOT BOTH, MAY BE APPLIED TOWARD GRADUATION.  
 RESTRICTED TO ENGR COLLEGE MAJORS AND MTEOR, PHYS,  
 PHYSA, COM S, P CS MAJORS ONLY.

6509005 1 TR 9:30-10:50  
 MEETS: AUG 26-DEC 20

6509010 2 TR 12:40-2:00  
 MEETS: AUG 26-DEC 20

6509015 3 TR 9:30-10:50  
 MEETS: AUG 26-DEC 20

6509020 4 TR 12:40-2:00  
 MEETS: AUG 26-DEC 20

6509025 5 TR 8:00-9:20  
 MEETS: AUG 26-DEC 20

6509030 6 TR 2:10-3:30  
 MEETS: AUG 26-DEC 20

6509035 7 TR 2:10-3:30  
 MEETS: AUG 26-DEC 20

PROBAB MTH,ELEC ENG STAT 322 3 CREDITS  
 Prereq: E E 224

6857005 1 TR 11:00-12:15  
 MEETS: AUG 26-DEC 20

INTR BUSINS STAT II STAT 326 3 CREDITS  
 Prereq: STAT 226  
 Note: CREDIT FOR ONLY ONE OF THE FOLLOWING COURSES  
 MAY BE APPLIED TOWARD GRADUATION: STAT 301, STAT 326,  
 STAT 401  
 Night exams scheduled. For dates go to  
<http://www.registrar.iastate.edu/students/exams/night-exams>.

6510005 1 MW 2:10-3:00  
 F 2:10-4:00  
 MEETS: AUG 26-DEC 20

6510010 2 MW 2:10-3:00  
 R 2:10-4:00  
 MEETS: AUG 26-DEC 20

6510015 3 MW 2:10-3:00  
 F 10:00-11:50  
 MEETS: AUG 26-DEC 20

6510020 4 MW 2:10-3:00  
 F 12:10-2:00  
 MEETS: AUG 26-DEC 20

6510025 5 MW 2:10-3:00  
 R 8:00-9:50  
 MEETS: AUG 26-DEC 20

6510030 6 MW 12:10-1:00  
 R 12:10-2:00  
 MEETS: AUG 26-DEC 20

6510035 7 MW 12:10-1:00  
 R 4:10-6:00PM  
 MEETS: AUG 26-DEC 20

6510040 8 MW 12:10-1:00  
 F 8:00-9:50  
 MEETS: AUG 26-DEC 20

PROBAB&STAT COM SCI STAT 330 3 CREDITS  
 Prereq: MATH 166

7372005 1 MWF 12:10-1:00  
 MEETS: AUG 26-DEC 20

7372010 2 MWF 1:10-2:00  
 MEETS: AUG 26-DEC 20

INTR THY PROBAB&S I STAT 341 4 CREDITS  
 Prereq: MATH 265 (OR MATH 265H)  
 Note: CREDIT FOR EITHER STAT 341/MATH 341 OR STAT 447,  
 BUT NOT BOTH, MAY BE APPLIED TOWARD GRADUATION

6511005 1 MWF 10:00-10:50  
 T 12:10-2:00  
 MEETS: AUG 26-DEC 20

INTR THY PR&STAT II STAT 342 4 CREDITS  
 Prereq: STAT 201 OR EQUIVALENT; STAT 341;  
 MATH 207 OR MATH 317

6512005 1 MWF 11:00-11:50  
 T 2:10-4:00  
 MEETS: AUG 26-DEC 20



STATISTICS (CONTINUED)

STATISTICS (CONTINUED)

STAT QUALITY ASSURN STAT 361 3 CREDITS  
 Prereq: STAT 231 OR STAT 401  
 Note: COURSE RESTRICTED TO I.E., STAT MAJORS ONLY  
 6513005 1 TWO-HOUR LECTURE DELIVERY IS WWW.  
 1 ARRANGED, T 3:40-5:40  
 MEETS: AUG 26-DEC 20

COOPERATIVE EDUCATN STAT 398 R CREDIT  
 Prereq: PERMISSION OF DEPARTMENT CHAIR  
 1530005 1 ARRANGED  
 MEETS: AUG 26-DEC 20

STAT DESIGN&EXPERMT STAT 402 3 CREDITS  
 Prereq: STAT 301 OR STAT 326 OR STAT 401  
 6515005 1 MWF 2:10-3:00  
 MEETS: AUG 26-DEC 20

REGRES SOC&BHAV RES STAT 404 3 CREDITS  
 Prereq: STAT 301 OR STAT 326 OR STAT 401  
 6517005 1 TR 11:00-11:50  
 F 2:10-4:00  
 MEETS: AUG 26-DEC 20

MULTIVARIATE ANALYS STAT 407 3 CREDITS  
 Prereq: STAT 301 OR STAT 326 OR STAT 401,  
 KNOWLEDGE OF MATRIX ALGEBRA  
 6519005 1 MW 3:10-4:00  
 T 4:10-6:00PM  
 MEETS: AUG 26-DEC 20

EMPRCL MTHD CMP SCI STAT 430 3 CREDITS  
 Prereq: STAT 330 OR EQUIVALENT COURSE, MATH 166,  
 KNOWLEDGE OF LINEAR ALGEBRA  
 8331005 1 TR 2:10-3:30  
 MEETS: AUG 26-DEC 20

CMPTR PROCESSG DATA STAT 479 3 CREDITS  
 Prereq: STAT 301 OR STAT 326 OR STAT 401  
 6526005 1 TR 9:30-10:50  
 MEETS: AUG 26-DEC 20

INDEPENDENT STUDY STAT 490 VAR. CREDITS  
 Prereq: 10 CREDITS IN STATISTICS  
 Note: NO MORE THAN 9 CREDITS IN STAT 490 MAY BE  
 APPLIED TOWARD GRADUATION  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

INDEP STUDY HONORS STAT 490H VAR. CREDITS  
 Prereq: 10 CR IN STAT, MEMBERSHIP IN HONORS PROG  
 Note: NO MORE THAN 9 CREDITS IN STAT 490 MAY BE  
 APPLIED TOWARD GRADUATION. RESTRICTED TO STUDENTS  
 IN THE UNIVERSITY HONORS PROGRAM ONLY.  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

STATISTICL METHDS I STAT 500 4 CREDITS  
 Prereq: STAT 447 OR CURRENT ENROLLMENT IN  
 STAT 542; KNOWLEDGE OF MATRIX ALGEBRA  
 6529005 1 MWF 11:00-11:50  
 T 2:10-4:00  
 MEETS: AUG 26-DEC 20

DSGN OF EXPERIMENTS STAT 512 3 CREDITS  
 Prereq: STAT 510  
 6532005 1 MWF 10:00-10:50  
 MEETS: AUG 26-DEC 20

STATISTCL MTHDS III STAT 520 3 CREDITS  
 Prereq: STAT 510, STAT 447 OR STAT 543  
 4876005 1 MWF 1:10-2:00  
 MEETS: AUG 26-DEC 20

ECOLOGICL STATISTCS STAT 534 3 CREDITS  
 Prereq: STAT 447 OR STAT 542  
 6539005 1 TR 3:40-5:00  
 MEETS: AUG 26-DEC 20

THRY PROBAB &STAT I STAT 542 4 CREDITS  
 Prereq: MATH 414  
 Note: CREDIT FOR ONLY ONE OF THE FOLLOWING COURSES MAY  
 BE APPLIED TOWARD GRADUATION BY DIETETICS STUDENTS:  
 DIET 554, STAT 401, STAT 495, STAT 542  
 6546005 1 MTRF 9:00-9:50  
 MEETS: AUG 26-DEC 20

TIME SERIES ANALYS STAT 551 3 CREDITS  
 Prereq: STAT 447 OR STAT 542  
 4590005 1 MWF 11:00-11:50  
 MEETS: AUG 26-DEC 20

INTRO STOCHAST PROC STAT 554 3 CREDITS  
 Prereq: STAT 542  
 6617005 1 MWF 1:10-2:00  
 MEETS: AUG 26-DEC 20

MTHDS BIostat&EPIDM STAT 565 3 CREDITS  
 Prereq: STAT 500 OR STAT 401; STAT 543 OR STAT  
 447  
 6540005 1 MWF 3:10-4:00  
 MEETS: AUG 26-DEC 20

AN INTRODUCTN TO R STAT 579 1 CREDIT  
 Prereq: ENROLLMENT IN STAT 500  
 6552005 1 R 12:10-2:00  
 MEETS: AUG 26-DEC 20  
 Note: SEC 1 RESTRICTED TO STAT MAJORS ONLY  
 6552010 2 T 12:10-2:00  
 MEETS: AUG 26-DEC 20  
 Note: SEC 2 RESTRICTED TO MAJORS OTHER THAN STAT

STAT MTHD FOR RSRCH STAT 587 4 CREDITS  
 Prereq: ONE OF THE FOLLOWING: STAT 101, STAT 104,  
 STAT 105, STAT 201, STAT 226, OR EQUIVALENT UNDERGRAD  
 LEVEL APPLIED STATISTICS COURSE; OR PERMISSION OF  
 DEPARTMENT  
 Note: CREDIT IN STAT 587 MAY NOT BE APPLIED TOWARD  
 GRADUATION AS GRADUATE CREDIT IN STATISTICS MS  
 AND PH D DEGREE PROGRAMS. CREDIT IN EITHER  
 STAT 587 OR STAT 401, BUT NOT BOTH, MAY BE APPLIED  
 TOWARD GRADUATION.  
 COURSE RESTRICTED TO GRADUATE STUDENTS ONLY  
 3680005 1 MWF 8:00-8:50  
 M 2:10-4:00  
 MEETS: AUG 26-DEC 20  
 Note: SEC 1 FOR AG COLLEGE AND VET COLLEGE  
 MAJORS, A E, A B E, BCB, BIOL, BOT S, D EX, D EXH,  
 DIETH, EEB, EEOB, EEOBS, FS H, FSHNH, GDCB, GDCBS,  
 GENET, HHP, IMBIO, MCDB, NEURO, NS H, NUTR, P PHY,  
 PDEXH, PLBIO, SUSAG, TOX, ZLGNS  
 Instructor permission required 1st week.  
 3680010 2 MWF 1:10-2:00  
 R 2:10-4:00  
 MEETS: AUG 26-DEC 20  
 Note: SEC 2 FOR ENGINEERING, PHYSICAL SCIENCES MAJORS  
 Instructor permission required 1st week.  
 3680015 3 MWF 9:00-9:50  
 W 12:10-2:00  
 MEETS: AUG 26-DEC 20  
 Note: SEC 3 FOR AG COLLEGE AND VET COLLEGE  
 MAJORS, A E, A B E, BCB, BIOL, BOT S, D EX, D EXH,  
 DIETH, EEB, EEOB, EEOBS, FS H, FSHNH, GDCB, GDCBS,  
 GENET, HHP, IMBIO, MCDB, NEURO, NS H, NUTR, P PHY,  
 PDEXH, PLBIO, SUSAG, TOX, ZLGNS  
 Instructor permission required 1st week.

STAT THEORY FOR RES STAT 588 4 CREDITS  
 Prereq: MATH 151 AND INSTR PERMISSN, OR MATH 265  
 Note: CREDIT IN STAT 588 MAY NOT BE APPLIED TOWARD  
 GRADUATION AS GRADUATE CREDIT IN STATISTICS MS  
 AND PH D DEGREE PROGRAMS. CREDIT IN STAT 588 OR  
 STAT 447, BUT NOT BOTH, MAY BE APPLIED TOWARD  
 GRADUATION.  
 3694005 1 MW 3:10-4:00  
 F 2:10-4:00  
 MEETS: AUG 26-DEC 20

SPECL TOPICS THEORY STAT 590A VAR. CREDITS  
 6554005 1 ARRANGED  
 MEETS: AUG 26-DEC 20

SPCL TOPICS METHODS STAT 590B VAR. CREDITS  
 Note: COURSE OFFERED FOR 3 CREDITS FALL 2019  
 6555005 1 ARRANGED  
 MEETS: AUG 26-DEC 20

SPL TOP SAMP SURVEY STAT 590D VAR. CREDITS  
 6557005 1 ARRANGED  
 MEETS: AUG 26-DEC 20

SPL TOPCS STAT EDUC STAT 590E VAR. CREDITS  
 8521005 1 ARRANGED  
 MEETS: AUG 26-DEC 20

SPL TOP COMP&GRPHCS STAT 590F VAR. CREDITS  
 Note: COURSE ONLY OFFERED FOR 1 CREDIT FALL 2019  
 9765005 1 ARRANGED  
 MEETS: AUG 26-DEC 20

COOPERATIVE EDUCATN STAT 598 R CREDIT  
 Prereq: PERMISSION OF THE DEPARTMENT CHAIR  
 4153005 1 ARRANGED  
 MEETS: AUG 26-DEC 20

CREATIVE COMPONENT STAT 599 VAR. CREDITS  
 Satisfactory-Fail Only.  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

THY&APP LINEAR MODL STAT 611 3 CREDITS  
 Prereq: STAT 510; STAT 542 OR STAT 447;  
 A COURSE IN MATRIX ALGEBRA  
 6561005 1 TR 2:10-3:30  
 MEETS: AUG 26-DEC 20

FOUND PRBABLT Y THRY STAT 641 3 CREDITS  
 Prereq: MATH 414 OR MATH 510 OR EQUIVALENT  
 COURSE  
 4887005 1 MWF 9:00-9:50  
 MEETS: AUG 26-DEC 20

STATISTICS (CONTINUED)

SUPPLY CHAIN MANAGEMENT (CONTINUED)

ADV THRY ST INFERNC STAT 643 3 CREDITS  
 Prereq: STAT 543, STAT 642  
 6566005 1 MWF 9:00-9:50  
 MEETS: AUG 26-DEC 20

ADV BAYESIAN THEORY STAT 644 3 CREDITS  
 Prereq: STAT 544, STAT 642  
 3869005 1 TR 2:10-3:30  
 MEETS: AUG 26-DEC 20

ADV SPL TOPC THEORY STAT 690A VAR. CREDITS  
 Prereq: PERMISSION OF INSTRUCTOR  
 6851005 1 WF 2:30-4:00  
 MEETS: AUG 26-DEC 20  
 Note: SEC 1 OFFERED FOR 3 CREDITS

ADV SPL TOP METHODS STAT 690B VAR. CREDITS  
 Prereq: PERMISSION OF INSTRUCTOR  
 6852005 1 ARRANGED  
 MEETS: AUG 26-DEC 20

ADV TOP SAMP SURVEY STAT 690D VAR. CREDITS  
 Prereq: PERMISSION OF INSTRUCTOR  
 6855005 1 ARRANGED  
 MEETS: AUG 26-DEC 20

ADV TOP STAT COMPUT STAT 690E VAR. CREDITS  
 Prereq: PERMISSION OF INSTRUCTOR  
 Note: COURSE ONLY OFFERED FOR 3 CREDITS FALL 2019  
 1709005 1 ARRANGED  
 MEETS: AUG 26-DEC 20

ADV TOPICS GRAPHICS STAT 690F VAR. CREDITS  
 Prereq: PERMISSION OF INSTRUCTOR  
 3189005 1 ARRANGED  
 MEETS: AUG 26-DEC 20

SUPPLY CHAIN MGMT SCM 301 3 CREDITS  
 1629125 N1 T 12:40-1:55, ARRANGED  
 MEETS: AUG 26-DEC 20  
 Note: SEC N1 IS A HYBRID CLASS THAT WILL MEET TUESDAYS WITH THE REMAINDER OF THE COURSE CONTENT DELIVERED ONLINE

1629130 N2 T 12:40-1:55, ARRANGED  
 MEETS: AUG 26-DEC 20  
 Note: SEC N2 IS A HYBRID CLASS THAT WILL MEET TUESDAYS WITH THE REMAINDER OF THE COURSE CONTENT DELIVERED ONLINE

1629135 P1 R 12:40-1:55, ARRANGED  
 MEETS: AUG 26-DEC 20  
 Note: SEC P1 IS A HYBRID CLASS THAT WILL MEET THURSDAYS WITH THE REMAINDER OF THE COURSE CONTENT DELIVERED ONLINE

1629140 P2 R 12:40-1:55, ARRANGED  
 MEETS: AUG 26-DEC 20  
 Note: SEC P2 IS A HYBRID CLASS THAT WILL MEET THURSDAYS WITH THE REMAINDER OF THE COURSE CONTENT DELIVERED ONLINE

PROJECT MANAGEMENT SCM 340 3 CREDITS  
 Prereq: CREDIT OR ENROLLMENT IN MIS 301  
 Note: COURSE RESTRICTED TO UNDERGRADUATE BUSINESS STUDENTS ONLY. NOT OPEN TO P BUS.

7426005 1 TR 9:30-10:45  
 MEETS: AUG 26-DEC 20

7426010 2 TR 2:10-3:25  
 MEETS: AUG 26-DEC 20

7426015 3 TR 3:40-4:55  
 MEETS: AUG 26-DEC 20

7426020 4 TR 5:10-6:25PM  
 MEETS: AUG 26-DEC 20

PROCSS MGT,AN&IMPRV SCM 424 3 CREDITS  
 Prereq: SCM 301  
 Note: COURSE RESTRICTED TO ACCT, ACSCI, BUS S, BUS U, ENTP, FIN, MGMT, MIS, MKT, SCM UNDERGRAD MAJORS. GRADUATE STUDENTS GO TO 1200 GERDIN FOR PERMISSION TO ADD.

5287005 1 TR 8:00-9:15  
 MEETS: AUG 26-DEC 20

5287010 2 MWF 1:10-2:00  
 MEETS: AUG 26-DEC 20

5287015 3 MWF 8:00-8:50  
 MEETS: AUG 26-DEC 20

RESEARCH STAT 699 VAR. CREDITS  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

SUPPLY CHAIN INFO SY SCM 440 3 CREDITS  
 Prereq: MIS 301, SCM 301  
 6856005 A1 MWF 3:10-4:00  
 MEETS: AUG 26-DEC 20  
 Note: SEC A1 RESTRICTED TO MIS, SCM MAJORS ONLY

6856010 A2 MWF 3:10-4:00  
 MEETS: AUG 26-DEC 20  
 Note: SEC A2 RESTRICTED TO ACCT, ACSCI, BUSEC, BUS U, FIN, MGMT, MKT UNDERGRAD MAJORS

**SUPPLY CHAIN MANAGEMENT**

SUPPLY CHAIN MGMT SCM 301 3 CREDITS  
 Prereq: ECON 101, STAT 226  
 Note: SEC A1,B1,ETC. RESTRICTED TO ACCT, ACSCI, AG B, AG SO, AST, BUS S, BUS U, BUSEC, ENTP, FIN, I TEC, MGMT, MIS, MKT, SCM UNDERGRAD MAJORS ONLY. SEC A2,B2,ETC. RESTRICTED TO MAJORS OTHER THAN ACCT, ACSCI, AG B, AG SO, AST, BUS S, BUS U, BUSAD, BUSEC, ENTP, FIN, I TEC, MGMT, MIS, MKT, P BUS, SCM. GRAD STUDENTS GO TO 1200 GERDIN FOR PERMISSION TO ADD  
 Night exams scheduled. For dates go to <http://www.registrar.iastate.edu/students/exams/night-exams>.

1629005 A1 MWF 8:00-8:50  
 MEETS: AUG 26-DEC 20

1629010 A2 MWF 8:00-8:50  
 MEETS: AUG 26-DEC 20

1629015 B1 MWF 9:00-9:50  
 MEETS: AUG 26-DEC 20

1629020 B2 MWF 9:00-9:50  
 MEETS: AUG 26-DEC 20

1629025 C1 TR 3:40-4:55  
 MEETS: AUG 26-DEC 20

1629030 C2 TR 3:40-4:55  
 MEETS: AUG 26-DEC 20

1629035 D1 T 6:40-9:25PM  
 MEETS: AUG 26-DEC 20

1629040 D2 T 6:40-9:25PM  
 MEETS: AUG 26-DEC 20

1629045 E1 MWF 10:00-10:50  
 MEETS: AUG 26-DEC 20

1629050 E2 MWF 10:00-10:50  
 MEETS: AUG 26-DEC 20

1629055 F1 MWF 2:10-3:00  
 MEETS: AUG 26-DEC 20

1629060 F2 MWF 2:10-3:00  
 MEETS: AUG 26-DEC 20

1629065 G1 MWF 3:10-4:00  
 MEETS: AUG 26-DEC 20

1629070 G2 MWF 3:10-4:00  
 MEETS: AUG 26-DEC 20

1629085 J1 MWF 12:10-1:00  
 MEETS: AUG 26-DEC 20

1629090 J2 MWF 12:10-1:00  
 MEETS: AUG 26-DEC 20

1629095 K1 TR 2:10-3:25  
 MEETS: AUG 26-DEC 20

1629100 K2 TR 2:10-3:25  
 MEETS: AUG 26-DEC 20

1629105 L1 TR 5:10-6:25PM  
 MEETS: AUG 26-DEC 20

1629110 L2 TR 5:10-6:25PM  
 MEETS: AUG 26-DEC 20

1629115 M1 MW 4:10-5:00, ARRANGED  
 MEETS: AUG 26-DEC 20

Note: SEC M1 IS A HYBRID SEC. THAT WILL MEET MONDAY & WEDNESDAY WITH THE REMAINDER OF THE COURSE CONTENT DELIVERED ONLINE

1629120 M2 MW 4:10-5:00, ARRANGED  
 MEETS: AUG 26-DEC 20

Note: SEC M2 IS A HYBRID SEC. THAT WILL MEET MONDAY & WEDNESDAY WITH THE REMAINDER OF THE COURSE CONTENT DELIVERED ONLINE

ERP SYS&SUPPLY CHAIN SCM 450 3 CREDITS  
 Prereq: SCM 301, MIS 301 OR I E 148, I E 341  
 Note: COURSE RESTRICTED TO MIS, SCM UNDERGRAD MAJORS. GRAD STUDENTS GO TO 1200 GERDIN FOR PERMISSION TO ADD

8120005 1 MWF 10:00-10:50  
 MEETS: AUG 26-DEC 20

SPLY CHN PLAN&CNTRL SCM 453 3 CREDITS  
 Prereq: SCM 301  
 Note: COURSE RESTRICTED TO COLLEGE OF BUSINESS MAJORS EXCEPT P BUS. GRAD STUDENTS GO TO 1200 GERDIN FOR PERMISSION TO ADD.

4729005 1 MWF 9:00-9:50  
 MEETS: AUG 26-DEC 20

4729010 2 MWF 2:10-3:00  
 MEETS: AUG 26-DEC 20

4729015 3 MWF 3:10-4:00  
 MEETS: AUG 26-DEC 20

DECISN TOOLS LOG&OP SCM 460 3 CREDITS  
 Prereq: SCM 301  
 Note: SEC A1,B1,C1 RESTRICTED TO COLLEGE OF BUSINESS UNDERGRAD MAJORS ONLY. SEC A2,B2,C2 RESTRICTED TO COLLEGES OTHER THAN BUSINESS. COURSE NOT OPEN TO P BUS. GRADUATE STUDENTS GO TO 1200 GERDIN FOR PERMISSION TO ADD.

6790005 A1 MWF 9:00-9:50  
 MEETS: AUG 26-DEC 20

6790010 A2 MWF 9:00-9:50  
 MEETS: AUG 26-DEC 20

6790015 B1 MWF 10:00-10:50  
 MEETS: AUG 26-DEC 20

6790020 B2 MWF 10:00-10:50  
 MEETS: AUG 26-DEC 20

6790025 C1 TR 8:00-9:15  
 MEETS: AUG 26-DEC 20

6790030 C2 TR 8:00-9:15  
 MEETS: AUG 26-DEC 20

SUPPLY CHAIN MANAGEMENT (CONTINUED)

PRIN TRANSPORTATION SCM 461 3 CREDITS  
 Prereq: SCM 301  
 Note: GRADUATE STUDENTS GO TO 1200 GERDIN FOR PERMISSION TO ADD  
 6791005 A1 TR 12:40-1:55  
 MEETS: AUG 26-DEC 20  
 Note: SEC A1 RESTRICTED TO SCM MAJORS ONLY  
 6791010 A2 TR 12:40-1:55  
 MEETS: AUG 26-DEC 20  
 Note: SEC A2 RESTRICTED TO MAJORS OTHER THAN P BUS, SCM MAJORS  
 6791015 B1 TR 3:40-4:55  
 MEETS: AUG 26-DEC 20  
 Note: SEC B1 RESTRICTED TO SCM MAJORS ONLY  
 6791020 B2 TR 3:40-4:55  
 MEETS: AUG 26-DEC 20  
 Note: SEC B2 RESTRICTED TO MAJORS OTHER THAN P BUS, SCM MAJORS

GLOBL TRADE MANAGMT SCM 466 3 CREDITS  
 Prereq: SCM 301  
 Note: COURSE RESTRICTED TO I BUS, SCM MAJORS. GRADUATE STUDENTS GO TO 1200 GERDIN FOR PERMISSION TO ADD  
 6793005 1 MWF 12:10-1:00  
 MEETS: AUG 26-DEC 20

PRIN PRCHS&SPLY MGT SCM 486 3 CREDITS  
 Prereq: SCM 301  
 Note: COURSE RESTRICTED TO ACCT, ACSCI, BUS S, BUS U, BUSEC, ENTSP, FIN, MGMT, MIS, MKT, SCM UNDERGRADS. GRADUATE STUDENTS GO TO 1200 GERDIN FOR PERMISSION TO ADD.  
 4788005 1 MW 11:00-11:50  
 ARRANGED  
 MEETS: AUG 26-DEC 20  
 Note: SEC 1 IS A HYBRID CLASS THAT WILL MEET MON AND WED IN A CLASSROOM WITH THE REMAINDER OF THE COURSE CONTENT DELIVERED ONLINE (ONLINE REPRESENTED BY 'ARRANGED').  
 4788010 2 MW 3:10-4:00, ARRANGED  
 MEETS: AUG 26-DEC 20  
 Note: SEC 2 IS A HYBRID CLASS THAT WILL MEET MON AND WED IN A CLASSROOM WITH THE REMAINDER OF THE COURSE CONTENT DELIVERED ONLINE (ONLINE REPRESENTED BY 'ARRANGED').  
 4788015 3 M 6:40-8:20PM  
 ARRANGED  
 MEETS: AUG 26-DEC 20

INDEPENDENT STUDY SCM 490 1- 3 CREDITS  
 Prereq: SCM 301, SENIOR CLASSIFICATN, INSTRUCTOR PERMISSION  
 Note: Department permission required.  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

CASE PRACTICUM SCM 495 3 CREDITS  
 Prereq: SCM 301  
 4577005 1 M 5:10-6:25PM  
 ARRANGED  
 MEETS: AUG 26-DEC 20

SPECIAL TOPICS SCM 590 1- 3 CREDITS  
 Prereq: GRAD CLASSIFICATION, INSTRUCTOR PERMISSN  
 Note: RESTRICTED TO BUSINESS COLLEGE GRADUATE STUDENTS  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

SEMNR LOGISTICS MGMT SCM 604 3 CREDITS  
 Prereq: CREDIT OR ENROLLMENT IN SCM 601  
 Note: RESTRICTED TO BUSINESS COLLEGE GRADUATE STUDENTS  
 8042005 1 R 12:10-3:00  
 MEETS: AUG 26-DEC 20

RSEARCH PRACTICUM I SCM 650 1 CREDIT  
 Prereq: ENROLLMENT IN THE PH D PROGRAM  
 Note: MUST BE A BUSAD PH.D. STUDENT, OR HAVE DEPARTMENTAL PERMISSION  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

RSEARCH PRACTICUM II SCM 651 1 CREDIT  
 Prereq: ENROLLMENT IN THE PH D PROGRAM  
 Note: MUST BE A BUSAD PH.D. STUDENT, OR HAVE DEPARTMENTAL PERMISSION  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

**SUSTAINABLE AGRICULTURE**

AGROECOSYSMS ANALYS SUSAG 509 4 CREDITS  
 Prereq: SENIOR OR ABOVE CLASSIFICATION; PERMISSION OF INSTRUCTOR  
 Note: COURSE RESTRICTED TO AJORS. SENIORS OR ABOVE. OTHERS BY PERMISSION OF THE INSTRUCTOR.  
 4931005 1 TR 2:10-3:30, ARRANGED  
 MEETS: AUG 26-DEC 20  
 Note: REQUIRED FIELD TRIP WEEK BEFORE CLASSES BEGIN

SUSTAINABLE AGRICULTURE (CONTINUED)

INTEG CROP&LVSTK SY SUSAG 515 3 CREDITS  
 Prereq: SUSAG 509  
 4934005 1 TR 9:30-10:50  
 MEETS: AUG 26-DEC 20

SPECIAL TOPICS SUSAG 590 1- 3 CREDITS  
 Prereq: GRAD CLASSIFICATION, INSTRUCTOR PERMISSN  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

CREATIVE COMPONENT SUSAG 599 VAR. CREDITS  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

SUSTAINB AG COLLOQU SUSAG 600 1 CREDIT  
 5035005 1 W 3:10-5:00  
 MEETS: AUG 26-DEC 20  
 Section info: <https://susag.iastate.edu/colloquium>

FOUND SUSTAINBLE AG SUSAG 610 3 CREDITS  
 Prereq: GRAD CLASSIFICATION, INSTRUCTOR PERMISSN  
 Note: COURSE IS FOR SUSAG MAJORS. NON-MAJORS BY PERMISSION OF THE INSTRUCTOR.  
 5047005 1 TR 11:00-12:20  
 MEETS: AUG 26-DEC 20

RESEARCH SUSAG 699 VAR. CREDITS  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

**SUSTAINABLE ENVIRONMENTS**

SUSTNB DSIGN STO II SUS E 502 5 CREDITS  
 Prereq: SUS E 501, SUS E 512, SUS E 531  
 3369005 1 ARRANGED  
 MEETS: AUG 26-DEC 20

FOUNDTN SUSTNB DSGN SUS E 521 3 CREDITS  
 Prereq: GRADUATE STANDING, OR SENIOR CLASSIFICATION WITH INSTRUCTOR PERMISSION  
 3733005 1 W 9:00-11:50  
 MEETS: AUG 26-DEC 20

RESILIENT ENVIRNMTS SUS E 550 3 CREDITS  
 9117005 1 R 5:10-8:00PM  
 ARRANGED  
 MEETS: AUG 26-DEC 20

**TECHNOLOGY SYSTEMS MANAGEMENT**

INTRO TO TECHNOLOGY TSM 110 1 CREDIT  
 Prereq: CLASSIFICATION IN AN AST OR I TEC MAJOR OR PERMISSION OF INSTRUCTOR  
 2533005 1 F 10:00-10:50  
 MEETS: AUG 26-DEC 20  
 Note: SEC 1 RESTRICTED TO I TEC AND AST MAJORS ONLY  
 2533010 2 F 11:00-11:50  
 MEETS: AUG 26-DEC 20  
 Note: SCSEC 2 RESTRICTED TO AST AND I TEC MAJORS ONLY

EXPERNCING TECHNOL TSM 111 1 CREDIT  
 Prereq: AST AND I TEC MAJORS ONLY OR PERMISSION OF INSTRUCTOR  
 8507005 1 W 2:10-4:00  
 MEETS: AUG 26-OCT 18  
 8507010 2 W 2:10-4:00  
 MEETS: OCT 21-DEC 20

SOLV TECHNOL PROBLM TSM 115 3 CREDITS  
 Prereq: CREDIT OR ENROLLMENT FOR CREDIT IN MATH 140 OR HIGHER  
 1358005 1 MW 10:00-11:50  
 MEETS: AUG 26-DEC 20

INTR DSIGN IN TCNOL TSM 116 3 CREDITS  
 4496005 1 TR 10:00-11:50  
 MEETS: AUG 26-DEC 20  
 4496010 2 MW 12:10-2:00  
 MEETS: AUG 26-DEC 20

SMNR:PREP FOR WRKPL TSM 201 1 CREDIT  
 Prereq: SOPH CLASSIF IN A E, AST, BSE, OR I TEC  
 1384005 1 MW 4:10-5:00  
 MEETS: AUG 26-OCT 18

FUND OF TECHNOLOGY TSM 210 3 CREDITS  
 Prereq: TSM 115 OR EQUIVALENT, MATH 140 OR HIGHER  
 1359005 1 TR 11:00-12:20  
 MEETS: AUG 26-DEC 20

MANAGING TECNL PROJ TSM 214 1 CREDIT  
 Prereq: TSM 201 OR A B E 201; SOPHOMORE CLASSIFICATION IN A E, AST, BSE, OR I TEC  
 4057005 1 MW 4:10-5:00  
 MEETS: OCT 21-DEC 20

TECHNOLOGY SYSTEMS MANAGEMENT (CONTINUED)

TECHNOLOGY SYSTEMS MANAGEMENT (CONTINUED)

ADV TECH GRPHCS&CAD TSM 216 2 CREDITS  
 Prereq: TSM 116  
 4504005 1 TR 12:40-2:00  
 MEETS: AUG 26-DEC 20  
 4504010 2 TR 3:40-5:00  
 MEETS: AUG 26-DEC 20

INTRO MFG PROC METL TSM 240 3 CREDITS  
 Prereq: MATH 145  
 Note: COURSE RESTRICTED TO AST, I TEC MAJORS ONLY  
 6601005 1 M 2:10-3:00  
 T 10:00-11:50  
 R 9:00-10:50  
 MEETS: AUG 26-DEC 20  
 6601010 2 M 2:10-3:00  
 T 10:00-11:50  
 R 11:00-12:50  
 MEETS: AUG 26-DEC 20  
 6601015 3 M 2:10-3:00  
 T 10:00-11:50  
 R 1:10-3:00  
 MEETS: AUG 26-DEC 20  
 6601020 4 M 2:10-3:00  
 T 10:00-11:50  
 R 3:10-5:00  
 MEETS: AUG 26-DEC 20  
 6601025 5 M 2:10-3:00  
 W 10:00-11:50  
 F 9:00-10:50  
 MEETS: AUG 26-DEC 20  
 6601030 6 M 2:10-3:00  
 W 10:00-11:50  
 F 11:00-12:50  
 MEETS: AUG 26-DEC 20  
 6601035 7 M 2:10-3:00  
 W 10:00-11:50  
 F 1:10-3:00  
 MEETS: AUG 26-DEC 20

INTRO MFG PLASTICS TSM 241 2 CREDITS  
 Prereq: MATH 145  
 5943005 1 M 3:10-4:00  
 T 8:00-9:50  
 MEETS: AUG 26-DEC 20  
 5943010 2 M 3:10-4:00  
 T 10:00-11:50  
 MEETS: AUG 26-DEC 20  
 5943015 3 M 3:10-4:00  
 W 8:00-9:50  
 MEETS: AUG 26-DEC 20  
 5943020 4 M 3:10-4:00  
 W 10:00-11:50  
 MEETS: AUG 26-DEC 20  
 5943025 5 M 3:10-4:00  
 R 8:00-9:50  
 MEETS: AUG 26-DEC 20  
 5943030 6 M 3:10-4:00  
 R 10:00-11:50  
 MEETS: AUG 26-DEC 20  
 5943035 7 M 3:10-4:00  
 F 8:00-9:50  
 MEETS: AUG 26-DEC 20  
 5943040 8 M 3:10-4:00  
 F 10:00-11:50  
 MEETS: AUG 26-DEC 20

PRIN INJURY PREVENT TSM 270 3 CREDITS  
 5625005 1 ARRANGED  
 MEETS: AUG 26-DEC 20  
 Note: Course delivery is WWW

TOTAL QUAL IMPROVMT TSM 310 3 CREDITS  
 Prereq: STAT 101 OR STAT 104, JR CLASSIFICATION  
 9202008 1 T 11:00-12:15  
 ARRANGED  
 MEETS: AUG 26-DEC 20  
 Note: SEC 1 RESTRICTED TO AST & I TEC MAJORS ONLY  
 9202010 2 T 11:00-12:15  
 ARRANGED  
 MEETS: AUG 26-DEC 20  
 Note: SEC 2 FOR JRS AND SRS NOT AST, I TEC MAJORS

BIORENEWABLE SYSTMS TSM 325 3 CREDITS  
 Prereq: CHEM 163 OR HIGHER; MATH 140 OR HIGHER  
 4747005 1 TR 3:40-5:00  
 MEETS: AUG 26-DEC 20  
 4747010 2 TR 3:40-5:00  
 MEETS: AUG 26-DEC 20  
 Note: SEC 2 RESTRICTED TO AST MAJORS ONLY

ANIM PRODUCTION SYS TSM 327 3 CREDITS  
 Prereq: TSM 210  
 1362005 1 M 11:00-11:50  
 W 11:00-12:50  
 MEETS: AUG 26-DEC 20

TRACTOR POWER TSM 335 4 CREDITS  
 Prereq: TSM 210, MATH 145  
 Note: COURSE RESTRICTED TO AST, I TEC, M E MAJORS ONLY  
 1348005 1 MWF 10:00-10:50  
 M 11:00-1:50  
 MEETS: AUG 26-DEC 20  
 1348010 2 MWF 10:00-10:50  
 M 3:10-6:00PM  
 MEETS: AUG 26-DEC 20  
 1348015 3 MWF 10:00-10:50  
 W 11:00-1:50  
 MEETS: AUG 26-DEC 20  
 1348020 4 MWF 10:00-10:50  
 W 3:10-6:00PM  
 MEETS: AUG 26-DEC 20

FLUID PWR SYS TCNOL TSM 337 3 CREDITS  
 Prereq: TSM 210  
 3335005 1 MW 9:00-9:50  
 T 9:30-11:20  
 MEETS: AUG 26-DEC 20  
 3335010 2 MW 9:00-9:50  
 T 12:10-2:00  
 MEETS: AUG 26-DEC 20  
 3335015 3 MW 9:00-9:50  
 T 4:10-6:00PM  
 MEETS: AUG 26-DEC 20  
 3335020 4 MW 9:00-9:50  
 M 3:10-5:00  
 MEETS: AUG 26-DEC 20

ADV AUTOMA MFG PROC TSM 340 3 CREDITS  
 Prereq: TSM 210, TSM 216, TSM 240, MATH 151  
 Note: COURSE RESTRICTED TO AST, I TEC MAJORS ONLY  
 4522005 1 MW 8:00-8:50  
 W 2:10-4:00  
 MEETS: AUG 26-DEC 20  
 4522010 2 MW 8:00-8:50  
 R 8:00-9:50  
 MEETS: AUG 26-DEC 20  
 4522015 3 MW 8:00-8:50  
 R 10:00-11:50  
 MEETS: AUG 26-DEC 20  
 4522020 4 MW 8:00-8:50  
 R 1:10-3:00  
 MEETS: AUG 26-DEC 20  
 4522025 5 MW 8:00-8:50  
 R 3:10-5:00  
 MEETS: AUG 26-DEC 20  
 4522030 6 MW 8:00-8:50  
 F 11:00-12:50  
 MEETS: AUG 26-DEC 20  
 4522035 7 MW 8:00-8:50  
 F 1:10-3:00  
 MEETS: AUG 26-DEC 20

ELECTR FOR AG&INDUS TSM 363 4 CREDITS  
 Prereq: TSM 210, MATH 145  
 6831005 1 TR 8:00-9:20  
 M 12:10-3:00  
 MEETS: AUG 26-DEC 20  
 6831010 2 TR 8:00-9:20  
 M 3:10-6:00PM  
 MEETS: AUG 26-DEC 20  
 6831015 3 TR 8:00-9:20  
 T 12:10-3:00  
 MEETS: AUG 26-DEC 20  
 6831020 4 TR 8:00-9:20  
 W 12:10-3:00  
 MEETS: AUG 26-DEC 20  
 6831025 5 TR 8:00-9:20  
 R 12:10-3:00  
 MEETS: AUG 26-DEC 20

OCCUPATIONAL SAFETY TSM 370 3 CREDITS  
 Prereq: TSM 270, JUNIOR STANDING  
 Note: COURSE RESTRICTED TO AST, I TEC MAJORS ONLY  
 7282005 1 ARRANGED  
 MEETS: AUG 26-DEC 20  
 Note: Course delivery is WWW

LEGAL ASPCT OCC SAF TSM 372 2 CREDITS  
 Prereq: TSM 371  
 5879005 1 T 4:10-5:00, ARRANGED  
 MEETS: AUG 26-DEC 20

FIRE PROTECTN&PREVN TSM 376 3 CREDITS  
 5885005 1 ARRANGED  
 MEETS: AUG 26-DEC 20  
 Note: Course delivery is WWW

TECHNOLOGY INTERNSHP TSM 397 R CREDIT  
 Prereq: AT LEAST 45 CREDITS OF COURSEWORK,  
 CLASSIFICATION IN AST OR I TEC MAJOR, APPROVAL  
 OF INTERNSHIP COORDINATOR  
 Satisfactory-Fail Only.  
 \*\*\*\*\*  
 SEE DEPT FOR REFERENCE NUMBERS

TECHNOLOGY SYSTEMS MANAGEMENT (CONTINUED)

TECHNOLOGY SYSTEMS MANAGEMENT (CONTINUED)

WORK EXPRNCE TCHNOL TSM 399 2 CREDITS  
 Prereq: TSM 397 IN THE PRECEDING SEMESTER,  
 APPROVAL OF INTERNSHIP COORDINATOR  
 Note: NO MORE THAN 4 CREDITS OF TSM 399 MAY BE APPLIED  
 TOWARD THE TOTAL CREDITS REQUIRED FOR GRADUATION.  
 COURSE RESTRICTED TO AST, I TEC MAJORS ONLY.  
 \*\*\*\*\*  
 SEE DEPT FOR REFERENCE NUMBERS

APP PROJ MGT TECHNL TSM 415 2 CREDITS  
 Prereq: SENIOR CLASSIFICATION WITH LESS THAN  
 32 CREDITS REMAINING; TSM 214; CREDIT OR ENROLLMENT  
 FOR CREDIT IN TSM 310  
 Note: COURSE RESTRICTED TO AST, I TEC MAJORS ONLY  
 6830005 1 F 9:00-9:50, ARRANGED  
 MEETS: AUG 26-DEC 20  
 6830010 2 F 12:10-1:00, ARRANGED  
 MEETS: AUG 26-DEC 20

TECHNOLOGY CAPSTONE TSM 416 3 CREDITS  
 Prereq: TSM 415  
 7031005 1 F 9:00-9:50, ARRANGED  
 MEETS: AUG 26-DEC 20

PRECISION AGRICULTR TSM 433 3 CREDITS  
 Prereq: JUNIOR CLASSIFICATION

5333005 A1 MW 2:10-3:00  
 R 8:00-9:50  
 MEETS: AUG 26-DEC 20

5333010 A2 MW 2:10-3:00  
 R 8:00-9:50  
 MEETS: AUG 26-DEC 20

5333015 B1 MW 2:10-3:00  
 R 10:00-11:50  
 MEETS: AUG 26-DEC 20

5333020 B2 MW 2:10-3:00  
 R 10:00-11:50  
 MEETS: AUG 26-DEC 20

5333025 C1 MW 2:10-3:00  
 R 3:10-5:00  
 MEETS: AUG 26-DEC 20

5333030 C2 MW 2:10-3:00  
 R 3:10-5:00  
 MEETS: AUG 26-DEC 20

5333035 D1 MW 2:10-3:00  
 R 1:10-3:00  
 MEETS: AUG 26-DEC 20

5333040 D2 MW 2:10-3:00  
 R 1:10-3:00  
 MEETS: AUG 26-DEC 20

5333045 E1 MW 2:10-3:00  
 F 8:00-9:50  
 MEETS: AUG 26-DEC 20

5333050 E2 MW 2:10-3:00  
 F 8:00-9:50  
 MEETS: AUG 26-DEC 20

5333055 F1 MW 2:10-3:00  
 F 10:00-11:50  
 MEETS: AUG 26-DEC 20

5333060 F2 MW 2:10-3:00  
 F 10:00-11:50  
 MEETS: AUG 26-DEC 20

5333065 G1 MW 2:10-3:00  
 F 1:10-3:00  
 MEETS: AUG 26-DEC 20

5333070 G2 MW 2:10-3:00  
 F 1:10-3:00  
 MEETS: AUG 26-DEC 20

CELLULR LEAN MFG SY TSM 440 3 CREDITS  
 Prereq: TSM 310  
 Note: COURSE RESTRICTED TO AST, I TEC SENIORS ONLY  
 4536005 1 TR 1:10-2:00  
 M 3:10-5:00  
 MEETS: AUG 26-DEC 20

MATERLS FOR TECHNOL TSM 443 3 CREDITS  
 Prereq: PHYS 111; MATH 145 OR MATH 151

6985005 1 MW 1:10-2:00  
 T 8:00-9:50  
 MEETS: AUG 26-DEC 20

6985010 2 MW 1:10-2:00  
 T 12:40-2:30  
 MEETS: AUG 26-DEC 20

FACILITY PLANNING TSM 444 3 CREDITS  
 Prereq: TSM 216; TSM 240; STAT 101 OR STAT 104  
 Note: COURSE RESTRICTED TO AST, I TEC MAJORS ONLY  
 4527005 1 TR 2:10-3:25  
 MEETS: AUG 26-DEC 20

APPL NONDSTRCTV EVL TSM 449X 3 CREDITS  
 Prereq: MATH 140; TSM 240

0071005 1 MW 10:00-10:50  
 F 10:00-11:50  
 MEETS: AUG 26-DEC 20

FEED PROCESSG&TECNL TSM 455 3 CREDITS  
 Prereq: JUNIOR CLASSIFICATION  
 8452005 1 TR 9:30-10:50  
 ARRANGED  
 MEETS: AUG 26-DEC 20

RISK ANALYSIS &MGMT TSM 477 3 CREDITS  
 Prereq: MATH 151; STAT 101 OR STAT 104  
 6873005 1 TR 9:30-10:50  
 MEETS: AUG 26-DEC 20

INDEP STUDY HONORS TSM 490H 1- 4 CREDITS  
 Prereq: JUNIOR OR SENIOR CLASSIF, INSTRUCTOR  
 PERMISSION, COMPLETION OF INDEPENDENT STUDY CONTRACT  
 AND APPROVAL BY DEPARTMENT  
 Note: COURSE RESTRICTED TO HONORS PROGRAM STUDENTS  
 ONLY. NO MORE THAN 4 CREDITS OF TSM 490 MAY BE USED  
 TOWARD THE TOTAL CREDITS REQUIRED FOR GRADUATION.  
 Department permission required.  
 \*\*\*\*\*  
 SEE DEPT FOR REFERENCE NUMBERS

IND STDY MANUFACTRG TSM 490I 1- 4 CREDITS  
 Prereq: JUNIOR OR SENIOR CLASSIF, INSTRUCTOR  
 PERMISSION, COMPLETION OF INDEPENDENT STUDY CONTRACT  
 AND APPROVAL BY DEPARTMENT  
 Note: NO MORE THAN 4 CREDITS OF TSM 490 MAY BE USED  
 TOWARD THE TOTAL CREDITS REQUIRED FOR GRADUATION  
 Department permission required.  
 \*\*\*\*\*  
 SEE DEPT FOR REFERENCE NUMBERS

IND STDY BIOSYS MGT TSM 490J 1- 4 CREDITS  
 Prereq: JUNIOR OR SENIOR CLASSIF, INSTRUCTOR  
 PERMISSION, COMPLETION OF INDEPENDENT STUDY CONTRACT  
 AND APPROVAL BY DEPARTMENT  
 Note: NO MORE THAN 4 CREDITS OF TSM 490 MAY BE USED  
 TOWARD THE TOTAL CREDITS REQUIRED FOR GRADUATION.  
 PERMISSION OF DEPARTMENT REQUIRED TO ADD. PROCESS  
 APPROVED ADD SLIP IN 10 ENROLLMENT SERVICES CENTER.  
 \*\*\*\*\*  
 SEE DEPT FOR REFERENCE NUMBERS

IND STDY MACHIN SYS TSM 490M 1- 4 CREDITS  
 Prereq: JUNIOR OR SENIOR CLASSIF, INSTRUCTOR  
 PERMISSION, COMPLETION OF INDEPENDENT STUDY CONTRACT  
 AND APPROVAL BY DEPARTMENT  
 Note: NO MORE THAN 4 CREDITS OF TSM 490 MAY BE USED  
 TOWARD THE TOTAL CREDITS REQUIRED FOR GRADUATION  
 Department permission required.  
 \*\*\*\*\*  
 SEE DEPT FOR REFERENCE NUMBERS

IND STU OCCUP SAFET TSM 4900 1- 4 CREDITS  
 Prereq: JUNIOR OR SENIOR CLASSIF, INSTRUCTOR  
 PERMISSION, COMPLETION OF INDEPENDENT STUDY CONTRACT  
 AND APPROVAL BY DEPARTMENT  
 Note: NO MORE THAN 4 CREDITS OF TSM 490 MAY BE USED  
 TOWARD THE TOTAL CREDITS REQUIRED FOR GRADUATION  
 Department permission required.  
 \*\*\*\*\*  
 SEE DEPT FOR REFERENCE NUMBERS

WKSHP OCCUPA SAFETY TSM 493D 1- 4 CREDITS  
 Note: COURSE ONLY OFFERED FOR 1 CREDIT FALL 2019.  
 PERMISSION OF OCCUPATIONAL SAFETY CERTIFICATE  
 ADVISER REQUIRED TO ADD. 493D MUST BE THE LAST  
 COURSE TAKEN TO COMPLETE THE OCCUPATIONAL SAFETY  
 CERTIFICATE.  
 Satisfactory-Fail Only.  
 1344005 1 ARRANGED  
 MEETS: AUG 26-DEC 20  
 Note: Department permission required.  
 Tuition Category: Workshop

PRECISION FARM SYST TSM 533 3 CREDITS

1200005 A1 MW 2:10-3:00  
 R 8:00-9:50  
 MEETS: AUG 26-DEC 20

1200015 B1 MW 2:10-3:00  
 R 10:00-11:50  
 MEETS: AUG 26-DEC 20

1200025 C1 MW 2:10-3:00  
 R 3:10-5:00  
 MEETS: AUG 26-DEC 20

1200035 D1 MW 2:10-3:00  
 R 1:10-3:00  
 MEETS: AUG 26-DEC 20

FEED PROCESSG&TECNL TSM 555 3 CREDITS  
 Prereq: JUNIOR CLASSIFICATION  
 8453005 1 TR 9:30-10:50  
 ARRANGED  
 MEETS: AUG 26-DEC 20

RISK ANALYSIS &MGMT TSM 577 3 CREDITS  
 Prereq: MATH 151, STAT 101 OR STAT 104  
 6878005 1 TR 9:30-10:50  
 MEETS: AUG 26-DEC 20

TECHNOLOGY SYSTEMS MANAGEMENT (CONTINUED)

THEATRE (CONTINUED)

SPL TP AG&BIOSY MGT TSM 590A 1- 4 CREDITS  
 Prereq: GRAD CLASSIFICATION IN INDUSTRIAL AND AG  
 TECHNOLOGY, INSTRUCTOR PERMISSION, COMPLETION OF AN  
 INDEPENDENT STUDY CONTRACT APPROVED BY MAJOR PROF  
 \*\*\*\*\*  
 SEE DEPT FOR REFERENCE NUMBERS

SPL TOP MACHINE SYS TSM 590B 1- 4 CREDITS  
 Prereq: GRAD CLASSIFICATION IN INDUSTRIAL AND AG  
 TECHNOLOGY, INSTRUCTOR PERMISSION, COMPLETION OF AN  
 INDEPENDENT STUDY CONTRACT APPROVED BY MAJOR PROF  
 \*\*\*\*\*  
 SEE DEPT FOR REFERENCE NUMBERS

SPL TOPC MANUFACTRG TSM 590C 1- 4 CREDITS  
 Prereq: GRAD CLASSIFICATION IN INDUSTRIAL AND AG  
 TECHNOLOGY, INSTRUCTOR PERMISSION, COMPLETION OF AN  
 INDEPENDENT STUDY CONTRACT APPROVED BY MAJOR PROF  
 \*\*\*\*\*  
 SEE DEPT FOR REFERENCE NUMBERS

SPL TOP OCCUP SAFET TSM 590D 1- 4 CREDITS  
 Prereq: GRAD CLASSIFICATION IN INDUSTRIAL AND AG  
 TECHNOLOGY, INSTRUCTOR PERMISSION, COMPLETION OF AN  
 INDEPENDENT STUDY CONTRACT APPROVED BY MAJOR PROF  
 \*\*\*\*\*  
 SEE DEPT FOR REFERENCE NUMBERS

WORKSHOP IN TECHNOL TSM 593 1- 3 CREDITS  
 Prereq: PERMISSION OF INSTRUCTOR  
 4581005 1 MWF 11:00-11:50  
 ARRANGED  
 MEETS: AUG 26-DEC 20

CREATIVE COMPONENT TSM 599 1- 3 CREDITS  
 \*\*\*\*\*  
 SEE DEPT FOR REFERENCE NUMBERS

GRADUATE SEMINAR TSM 601 1 CREDIT  
 4583005 1 R 4:10-5:00  
 MEETS: AUG 26-DEC 20

TEACHING PRACTICUM TSM 694 1- 3 CREDITS  
 1919005 1 ARRANGED  
 MEETS: AUG 26-DEC 20

TECHNOLGY INTERNSHP TSM 697 R CREDIT  
 Prereq: PERMISSION OF MAJOR PROFESSOR AND  
 APPROVAL BY DEPARTMENT CHAIR, GRAD CLASSIFICATION  
 Satisfactory-Fail Only.  
 4646005 1 ARRANGED  
 MEETS: AUG 26-DEC 20

RESEARCH TSM 699 1- 6 CREDITS  
 \*\*\*\*\*  
 SEE DEPT FOR REFERENCE NUMBERS

**THEATRE**

INTR PERFORMNG ARTS THTRE 106 3 CREDITS  
 6729005 1 MWF 10:00-10:50  
 MEETS: AUG 26-DEC 20

THE ACTOR'S VOICE THTRE 151 3 CREDITS  
 6730005 1 TR 12:40-2:00  
 MEETS: AUG 26-DEC 20  
 Note: SEC 1 RESTRICTED TO MAJORS OTHER THAN EL ED  
 6730010 2 TR 12:40-2:00  
 MEETS: AUG 26-DEC 20  
 Note: SEC 2 RESTRICTED TO EL ED MAJORS ONLY

CONCERT&THTRE DANCE THTRE 224 .5- 2 CREDITS  
 Prereq: BY AUDITION ONLY  
 Note: Instructor permission required 1st week.  
 Satisfactory-Fail Only.  
 6731005 1 ARRANGED  
 MEETS: AUG 26-DEC 20  
 Note: SEC 1 OFFERED FOR 1 CREDIT  
 6731010 2 ARRANGED  
 MEETS: AUG 26-DEC 20  
 Note: SEC 2 OFFERED FOR 2 CREDITS

THEATRE PRACTICUM THTRE 250 1- 2 CREDITS  
 Prereq: PERMISSION OF INSTRUCTOR  
 Satisfactory-Fail Only.  
 6732005 1 ARRANGED  
 MEETS: AUG 26-DEC 20

ACTING I THTRE 251 3 CREDITS  
 6733005 1 MWF 2:10-3:00  
 MEETS: AUG 26-DEC 20  
 Note: SEC 1 RESTRICTED TO MAJORS OTHER THAN EL ED  
 6733010 2 MWF 11:00-11:50  
 MEETS: AUG 26-DEC 20  
 Note: SEC 2 RESTRICTED TO MAJORS OTHER THAN EL ED  
 6733015 3 TR 11:00-12:15  
 MEETS: AUG 26-DEC 20  
 Note: SEC 3 RESTRICTED TO MAJORS OTHER THAN EL ED  
 6733020 4 MWF 10:00-10:50  
 MEETS: AUG 26-DEC 20  
 6733025 5 MWF 2:10-3:00  
 MEETS: AUG 26-DEC 20  
 6733030 6 MWF 11:00-11:50  
 MEETS: AUG 26-DEC 20  
 Note: SEC 6 RESTRICTED TO EL ED MAJORS ONLY  
 6733035 7 TR 11:00-12:15  
 MEETS: AUG 26-DEC 20  
 Note: SEC 7 RESTRICTED TO EL ED MAJORS ONLY  
 6733040 8 MWF 10:00-10:50  
 MEETS: AUG 26-DEC 20  
 Note: SEC 8 RESTRICTED TO EL ED MAJORS ONLY

INTR THEATRICAL PROD THTRE 255 4 CREDITS  
 6734005 1 MWF 1:10-2:00  
 M 2:10-5:00  
 MEETS: AUG 26-DEC 20  
 6734010 2 MWF 1:10-2:00  
 T 2:10-5:00  
 MEETS: AUG 26-DEC 20  
 6734015 3 MWF 1:10-2:00  
 W 2:10-5:00  
 MEETS: AUG 26-DEC 20  
 6734020 4 MWF 1:10-2:00  
 R 2:10-5:00  
 MEETS: AUG 26-DEC 20  
 6734025 5 MWF 1:10-2:00  
 F 2:10-5:00  
 MEETS: AUG 26-DEC 20

SCRIPT ANALYSIS THTRE 263 3 CREDITS  
 6763005 1 MWF 11:00-11:50  
 MEETS: AUG 26-DEC 20

SPECIAL PROJECTS THTRE 290 1- 3 CREDITS  
 Prereq: 3 CREDITS IN THEATRE; PERMISSION OF  
 INSTRUCTOR; APPROVAL OF WRITTEN PROPOSAL  
 Note: Instructor permission required.  
 \*\*\*\*\*  
 SEE DEPT FOR REFERENCE NUMBERS

MUSICAL THEATRE I THTRE 354 3 CREDITS  
 Prereq: THTRE 251 OR MUSIC 232 OR 3 CREDITS IN  
 DANCE  
 3130005 1 TR 9:30-10:50  
 MEETS: AUG 26-DEC 20

STAGE MAKE-UP THTRE 357 2 CREDITS  
 6739005 1 TR 9:30-10:50  
 ARRANGED  
 MEETS: AUG 26-DEC 20

ORAL INTERPRETATION THTRE 358 3 CREDITS  
 6740005 1 TR 12:40-2:00  
 MEETS: AUG 26-DEC 20  
 6740010 2 TR 9:30-10:50  
 MEETS: AUG 26-DEC 20

THEATRICAL DESIGN I THTRE 365 3 CREDITS  
 Prereq: THTRE 255  
 7919005 1 MWF 10:00-10:50  
 MEETS: AUG 26-DEC 20

WKSP: COSTUME DR&PAT THTRE 393F 3 CREDITS  
 Prereq: THTRE 365  
 4833005 1 MWF 11:00-11:50  
 MEETS: AUG 26-DEC 20

WORKSHOP: STAGE MGMT THTRE 393I 3 CREDITS  
 Prereq: THTRE 365  
 4917005 1 MWF 9:00-9:50  
 MEETS: AUG 26-DEC 20

ACTING III THTRE 451 3 CREDITS  
 Prereq: THTRE 351 AND PERMISSION OF INSTRUCTOR  
 6760005 1 TR 2:10-3:25  
 MEETS: AUG 26-DEC 20

DIRECTING I THTRE 455 3 CREDITS  
 Prereq: THTRE 255; THTRE 263; THTRE 251  
 RECOMMENDED  
 6747005 1 MW 3:10-4:30  
 MEETS: AUG 26-DEC 20

HIST OF THEATRE I THTRE 465 3 CREDITS  
 Prereq: HIST 201 OR EQUIVALENT  
 6748005 1 TR 11:00-12:15  
 MEETS: AUG 26-DEC 20

ADV THTRE PRACTICUM THTRE 469 1- 3 CREDITS  
 Prereq: 9 CR IN THEATRE COURSES, JR CLASSIFICATN  
 \*\*\*\*\*  
 SEE DEPT FOR REFERENCE NUMBERS

INDEPENDENT STUDY THTRE 490 1- 3 CREDITS  
 Prereq: 9 CREDITS IN THEATRE, APPROVED WRITTEN  
 PROPOSAL, JUNIOR CLASSIFICATION  
 Note: NO MORE THAN 9 CREDITS OF THTRE 490 MAY BE  
 APPLIED TOWARD GRADUATION  
 \*\*\*\*\*  
 SEE DEPT FOR REFERENCE NUMBERS

HONORS INDEP STUDY THTRE 490H 1- 3 CREDITS  
 Prereq: 9 CREDITS IN THEATRE, JR CLASSIFICATION,  
 PERMISSION OF DEPT CHAIR  
 Note: COURSE RESTRICTED TO MEMBERS OF THE UNIVERSITY  
 HONORS PROGRAM ONLY  
 7246005 1 ARRANGED  
 MEETS: AUG 26-DEC 20

THEATRE INTERNSHIP THTRE 499 1- 8 CREDITS  
 Prereq: 18 CR IN THEATRE, OTHER COURSES DEEMED  
 APPROPRIATE BY FACULTY ADVISER; 2ND SEMESTER JUNIOR  
 OR SENIOR STANDING; CUM GPA OF AT LEAST 2.50 OVERALL  
 AND 3.00 IN THTRE COURSES  
 \*\*\*\*\*  
 SEE DEPT FOR REFERENCE NUMBERS

THEATRE

(CONTINUED)

SEM DSN&TECHNC THTR THTRE 504D 1- 3 CREDITS  
 Prereq: 9 CREDITS IN THEATRE  
 Note: COURSE ONLY OFFERED FOR 3 CREDITS FALL 2019  
 2634005 1 TR 9:30-10:50  
 MEETS: AUG 26-DEC 20

SPECIAL TOPICS THTRE 590 1- 4 CREDITS  
 Prereq: APPROVED WRITTEN PROPOSAL  
 Note: Permission of department chair required.  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

**TOXICOLOGY**

PRIN OF TOXICOLOGY TOX 401 3 CREDITS  
 Prereq: BBMB 404 OR EQUIVALENT  
 7562005 1 TR 2:10-3:30  
 MEETS: AUG 26-DEC 20

FOOD MICROBIOLOGY TOX 420 3 CREDITS  
 Prereq: MICRO 201 OR MICRO 302  
 6765005 1 MWF 10:00-10:50  
 MEETS: AUG 26-DEC 20

UNDERGRAD RESEARCH TOX 499 1- 3 CREDITS  
 Prereq: PERMISSION OF INSTRUCTOR IS REQUIRED  
 PRIOR TO REGISTRATION  
 Note: STUDENTS IN THE PHARMACOLOGY AND TOXICOLOGY  
 MINOR MAY APPLY NO MORE THAN 9 CREDITS OF UNIVERSITY-  
 WIDE 499 CREDITS TOWARD THE TOTAL OF 120 CREDITS  
 REQUIRED FOR GRADUATION  
 Satisfactory-Fail Only.  
 7417005 1 ARRANGED  
 MEETS: AUG 26-DEC 20

PRIN OF TOXICOLOGY TOX 501 3 CREDITS  
 Prereq: BBMB 404 OR EQUIVALENT  
 6767005 1 TR 2:10-3:30  
 MEETS: AUG 26-DEC 20

TOXICOLOGY SEMINAR TOX 504 1 CREDIT  
 Prereq: PERMISSION OF INSTRUCTOR  
 7126005 1 T 4:10-5:00  
 MEETS: AUG 26-DEC 20

REGULATORY TOXICOLG TOX 515 1 CREDIT  
 Prereq: BBMB 404 OR FS HN 403  
 4387005 1 R 8:00-9:20  
 MEETS: AUG 26-DEC 20

FOODBORNE TOXICANTS TOX 529 2 CREDITS  
 Prereq: A COURSE IN BIOCHEMISTRY  
 5569005 1 ARRANGED  
 MEETS: AUG 26-DEC 20  
 Note: Course delivery is WWW

CLIN &DIAGNOS TOXIC TOX 546 1- 3 CREDITS  
 Prereq: D.V.M. DEGREE OR VDPAM 526  
 1231005 1 ARRANGED  
 MEETS: AUG 26-DEC 20

MTHDS BIOSTAT&EPIDM TOX 565 3 CREDITS  
 Prereq: STAT 500 OR STAT 401; STAT 543 OR STAT  
 447  
 4103005 1 MWF 3:10-4:00  
 MEETS: AUG 26-DEC 20

CELL BIOLOGY TOX 575 3 CREDITS  
 Prereq: 10 CREDITS IN BIOLOGICAL SCIENCE OR  
 PERMISSION OF INSTRUCTOR  
 8026005 1 MWF 1:10-2:00  
 MEETS: AUG 26-DEC 20

SPECIAL TOPICS TOX 590 VAR. CREDITS  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

RAPID MTH FD MICROB TOX 627 2 CREDITS  
 Prereq: FS HN 420 OR FS HN 421 OR FS HN 504  
 8340005 1 TR 2:10-3:00  
 MEETS: AUG 26-DEC 20

CURRNT TOPC TOXICOL TOX 689 R CREDIT  
 Satisfactory-Fail Only.  
 4280005 1 ARRANGED  
 MEETS: AUG 26-DEC 20

GRAD RESEARCH ROTAT TOX 697 1-12 CREDITS  
 Prereq: ADMISSION TO TOX GRADUATE PROGRAM  
 8363005 1 ARRANGED  
 MEETS: AUG 26-DEC 20

RESEARCH TOX 699 VAR. CREDITS  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

**TRANSPORTATION**

CREATIVE COMPONENT TRANS 599 1- 3 CREDITS  
 Prereq: PRE-ENROLLMENT CONTRACT REQUIRED  
 4160005 1 ARRANGED  
 MEETS: AUG 26-DEC 20

RESEARCH TRANS 699 VAR. CREDITS  
 6787005 1 ARRANGED  
 MEETS: AUG 26-DEC 20

**U.S. LATINO/A STUDIES**

INTR U.S. LATINO ST US LS 211 3 CREDITS  
 Note: Meets U.S. diversity reqmt  
 2890005 1 MWF 10:00-10:50  
 MEETS: AUG 26-DEC 20  
 2890010 2 TR 11:00-12:20  
 MEETS: AUG 26-DEC 20

SPANISH SPEAKERS US LS 305X 3 CREDITS  
 Note: Meets U.S. diversity reqmt  
 0014005 1 M 3:10-5:00, ARRANGED  
 MEETS: AUG 26-DEC 20  
 Note: SEC 1 HYBRID

BILINGUAL&U.S. MEXI US LS 420 3 CREDITS  
 Prereq: EDUC 405 OR EDUC 406  
 6253005 1 F 1:10-4:00  
 MEETS: AUG 26-DEC 20

INDEPENDENT STUDY US LS 490 1- 3 CREDITS  
 Prereq: PERMISSION OF INSTRUCTOR  
 Note: NO MORE THAN 3 CREDITS IN US LS 490 MAY BE  
 APPLIED TOWARDS THE U.S. LATINO/A STUDIES CERTIFICATE  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

**UNIVERSITY STUDIES**

FIRST-YR SMNR I:HIX U ST 101A 1 CREDIT  
 Prereq: ACCEPTANCE/PARTICIPATION IN HIXSON  
 SCHOLARS PROGRAM  
 Satisfactory-Fail Only.  
 5662005 1 T 4:10-5:00  
 W 10:00-10:50  
 MEETS: AUG 26-DEC 20  
 5662010 2 T 4:10-5:00  
 W 10:00-10:50  
 MEETS: AUG 26-DEC 20  
 5662015 3 T 4:10-5:00  
 W 2:10-3:00  
 MEETS: AUG 26-DEC 20  
 5662020 4 T 4:10-5:00  
 W 2:10-3:00  
 MEETS: AUG 26-DEC 20  
 5662025 5 T 4:10-5:00  
 R 10:00-10:50  
 MEETS: AUG 26-DEC 20  
 5662030 6 T 4:10-5:00  
 R 10:00-10:50  
 MEETS: AUG 26-DEC 20  
 5662035 7 T 4:10-5:00  
 R 11:00-11:50  
 MEETS: AUG 26-DEC 20  
 5662040 8 T 4:10-5:00  
 R 11:00-11:50  
 MEETS: AUG 26-DEC 20

FIRST-YR SMNR I:MVP U ST 101B 1 CREDIT  
 Prereq: ACCEPTANCE/PARTICIPATION IN MVP  
 Satisfactory-Fail Only.  
 5670005 1 M 10:00-10:50  
 MEETS: AUG 26-DEC 20  
 5670010 2 W 12:10-1:00  
 MEETS: AUG 26-DEC 20  
 5670015 3 T 11:00-11:50  
 MEETS: AUG 26-DEC 20  
 5670020 4 R 10:00-10:50  
 MEETS: AUG 26-DEC 20

FIRST-YR SMNR I:SCI U ST 101C 1 CREDIT  
 Prereq: ACCEPTANCE/PARTICIPATION IN SCIENCE  
 BOUND PROGRAM  
 Satisfactory-Fail Only.  
 5706005 1 W 1:10-2:00  
 MEETS: AUG 26-DEC 20  
 5706010 2 W 12:10-1:00  
 MEETS: AUG 26-DEC 20

FRST-YR SEM I:ATHLT U ST 101D 1 CREDIT  
 Prereq: ACCEPTANCE/PARTICIPATION IN APPROPRIATE  
 LEARNING COMMUNITY OR SPECIAL PROGRAM  
 Satisfactory-Fail Only.  
 5713005 1 M 8:00-8:50  
 MEETS: AUG 26-DEC 20  
 5713010 2 T 8:00-8:50  
 MEETS: AUG 26-DEC 20  
 5713015 3 M 1:10-2:00  
 MEETS: AUG 26-DEC 20  
 5713020 4 T 11:00-11:50  
 MEETS: AUG 26-DEC 20

UNIVERSITY STUDIES (CONTINUED)

URBAN DESIGN (CONTINUED)

FIRST-YR SEM II:SCI U ST 102B 1 CREDIT  
 Prereq: U ST 101 OR INSTRUCTOR PERMISSION  
 Satisfactory-Fail Only.  
 5728005 1 W 12:10-1:00  
 MEETS: AUG 26-DEC 20  
 5728010 2 W 1:10-2:00  
 MEETS: AUG 26-DEC 20

CARVER FRSHMN SEMNR U ST 105 1 CREDIT  
 Prereq: ACCEPTANCE IN CARVER ACADEMY PROGRAM,  
 GEORGE WASHINGTON CARVER SCHOLARSHIP RECIPIENT  
 Note: Meets U.S. diversity reqmt  
 Satisfactory-Fail Only.  
 2884005 1 M 10:00-10:50  
 MEETS: AUG 26-DEC 20  
 2884010 2 T 10:00-10:50  
 MEETS: AUG 26-DEC 20  
 2884015 3 R 10:00-10:50  
 MEETS: AUG 26-DEC 20  
 2884020 4 W 10:00-10:50  
 MEETS: AUG 26-DEC 20

INT'L FIRST YR SMNR U ST 110 1 CREDIT  
 Satisfactory-Fail Only.  
 8806005 1 M 4:10-5:00  
 MEETS: AUG 26-DEC 20  
 8806010 2 T 4:10-5:00  
 MEETS: AUG 26-DEC 20  
 8806015 3 T 8:00-8:50  
 MEETS: AUG 26-DEC 20  
 8806050 4 W 11:00-11:50  
 MEETS: AUG 26-DEC 20  
 8806055 5 W 1:10-2:00  
 MEETS: AUG 26-DEC 20

CARVER SEM:PEER MNT U ST 205 1 CREDIT  
 Prereq: U ST 106  
 Note: Meets U.S. diversity reqmt  
 Satisfactory-Fail Only.  
 4183005 1 W 12:10-1:00  
 MEETS: AUG 26-DEC 20  
 4183010 2 R 12:40-1:30  
 MEETS: AUG 26-DEC 20

SCI PRE-PRO SEMINAR U ST 207 1 CREDIT  
 Prereq: U ST 102B  
 Satisfactory-Fail Only.  
 9747005 1 W 4:10-5:00  
 MEETS: AUG 26-DEC 20  
 9747010 2 W 3:10-4:00  
 MEETS: AUG 26-DEC 20

MCNR:INTRO TO RES I U ST 301 2 CREDITS  
 Prereq: NEW FALL ADMIT TO THE RONALD E. MCNAIR  
 POSTBACCALAUREATE ACHIEVEMENT PROGRAM  
 6475005 1 M 4:10-6:00PM  
 MEETS: AUG 26-DEC 20

CALM LIFE SKILL SEM U ST 303 1 CREDIT  
 Prereq: JUNIOR OR SENIOR CLASSIFICATION  
 Satisfactory-Fail Only.  
 9395005 1 W 11:00-11:50  
 MEETS: AUG 26-DEC 20

LEADRS SMNR II:HIKS U ST 312A 1 CREDIT  
 Prereq: 311A  
 Satisfactory-Fail Only.  
 3091005 1 M 4:10-5:00  
 MEETS: AUG 26-DEC 20

NCORE:RACE&ETHN U.S U ST 321 3 CREDITS  
 Prereq: SELECTION AS AN NCORE STUDENT SCHOLAR AND  
 ATTENDANCE AT NCORE  
 Note: Meets U.S. diversity reqmt  
 9295005 1 ARRANGED, R 3:40-5:30  
 MEETS: AUG 26-DEC 20

MCNAIR SR SEMINAR I U ST 401 1 CREDIT  
 Prereq: 302  
 Satisfactory-Fail Only.  
 6491005 1 M 4:10-6:00PM  
 MEETS: AUG 26-DEC 20

INDEPENDENT STUDY U ST 490 VAR. CREDITS  
 Prereq: PERMISSION OF THE ASSOCIATE PROVOST  
 Note: PERMISSION OF THE ASSOCIATE PROVOST REQUIRED  
 Department permission required.  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

**URBAN DESIGN**

NORTH AMER URBANIZN URB D 511 3 CREDITS  
 Prereq: GRADUATE STANDING, OR SENIOR  
 CLASSIFICATION WITH INSTRUCTOR PERMISSION  
 4019005 1 M 5:10-7:40PM  
 MEETS: AUG 26-DEC 20

URBAN DESIGN COLLOQ URB D 512 R CREDIT  
 Satisfactory-Fail Only.  
 9540005 1 ARRANGED  
 MEETS: AUG 26-DEC 20

WKSHP URB DSN MEDIA URB D 532 3 CREDITS  
 Prereq: GRADUATE STANDING, OR SENIOR  
 CLASSIFICATION WITH INSTRUCTOR PERMISSION  
 4208005 1 T 12:40-3:30  
 MEETS: AUG 26-DEC 20

URBANISM THRY&MTHDS URB D 533 3 CREDITS  
 Prereq: GRADUATE STANDING, OR SENIOR  
 CLASSIFICATION WITH INSTRUCTOR PERMISSION  
 4213005 1 R 12:40-3:30  
 MEETS: AUG 26-DEC 20

**VET DIAGNOSTIC & PRODUCTION AN MED**

AN WLFARE JDG&ASSESS VDPAM 365 1 CREDIT  
 7529005 1 R 5:10-7:00PM  
 MEETS: AUG 26-DEC 20

ADV DY INF EXPRNC I VDPAM 402B 2 CREDITS  
 Prereq: VDPAM 402A  
 4987005 1 ARRANGED  
 MEETS: AUG 26-DEC 20

ADV DY INF EXPRC II VDPAM 402C 2 CREDITS  
 Prereq: VDPAM 402A, VDPAM 402B  
 5133005 1 ARRANGED  
 MEETS: AUG 26-DEC 20

ADV DY INF EXP III VDPAM 402D 2 CREDITS  
 Prereq: VDPAM 402A, VDPAM 402B, VDPAM 402C  
 5162005 1 ARRANGED  
 MEETS: AUG 26-DEC 20

VET PRACTCE MGT&ORG VDPAM 409 2 CREDITS  
 Prereq: CLASSIFICATION IN VET MED  
 Note: COURSE RESTRICTED TO VET MED STUDENTS ONLY  
 8766005 1 ARRANGED  
 MEETS: AUG 26-DEC 20

BOVIN REPROD EV LAB VDPAM 416 1 CREDIT  
 Prereq: 3RD YEAR CLASSIFICATION IN V MED.  
 10 STUDENTS PER SECTION.  
 Note: COURSE RESTRICTED TO VET MED STUDENTS ONLY  
 5110005 1 M 1:10-5:00  
 MEETS: AUG 26-OCT 18 DOHLMAN T  
 5110010 2 W 1:10-5:00  
 MEETS: AUG 26-OCT 18 DOHLMAN T  
 5110015 3 F 1:10-5:00  
 MEETS: AUG 26-OCT 18 DOHLMAN T  
 5110020 4 M 1:10-5:00  
 MEETS: OCT 21-DEC 20 DOHLMAN T  
 5110025 5 W 1:10-5:00  
 MEETS: OCT 21-DEC 20 DOHLMAN T  
 5110030 6 F 1:10-5:00  
 MEETS: OCT 21-DEC 20 DOHLMAN T

ADV SWI PRD INFMTCS VDPAM 419 1 CREDIT  
 Prereq: VDPAM 309 OR PERMISSION OF INSTRUCTOR  
 Note: COURSE RESTRICTED TO VET MED STUDENTS ONLY  
 8709005 1 T 7:00-7:50  
 MEETS: AUG 26-DEC 20

PRECP:MXD FD AN MED VDPAM 420A 1- 6 CREDITS  
 Prereq: 4TH YEAR CLASSIFICATION IN V MED  
 Note: COURSE RESTRICTED TO V MED STUDENTS ONLY  
 9072005 1 ARRANGED

PRECP PRD AN MD:MXD VDPAM 420B 1- 6 CREDITS  
 Prereq: 4TH YEAR CLASSIFICATION IN V MED  
 5207005 1 ARRANGED

PRECP PROD AN:GOVT VDPAM 420C 1- 6 CREDITS  
 Prereq: 4TH YEAR CLASSIFICATION IN V MED  
 5210005 1 ARRANGED

PRECP PRD AN MD:POU VDPAM 420P 1- 6 CREDITS  
 Prereq: 4TH YEAR CLASSIFICATION IN V MED.  
 RECOMMENDED: VDPAM 408 OR VDPAM 498.  
 Note: NO MORE THAN 6 CREDITS IN VDPAM 420P MAY BE  
 APPLIED TOWARD GRADUATION  
 9110005 1 ARRANGED

GPVEC: CALVING VDPAM 421A 1 CREDIT  
 Prereq: 4TH-YEAR CLASSIFICATION IN VET MED;  
 ABILITY TO PROVIDE OWN TRANSPORTATION TO EACH SITE  
 Note: COURSE RESTRICTED TO VET MED STUDENTS ONLY  
 4419005 1 ARRANGED

GPVEC: BULL BREEDNG VDPAM 421B 1 CREDIT  
 Prereq: 4TH-YEAR CLASSIFICATION IN VET MED;  
 ABILITY TO PROVIDE OWN TRANSPORTATION TO EACH SITE  
 Note: COURSE RESTRICTED TO VET MED STUDENTS ONLY  
 4417005 1 ARRANGED



## VET DIAGNOSTIC &amp; PRODUCTION AN MED (CONTINUED)

GPVEC: WEANING MGT VDPAM 421E 1 CREDIT  
Prereq: 4TH-YEAR CLASSIFICATION IN VET MED;  
ABILITY TO PROVIDE OWN TRANSPORTATION TO EACH SITE  
Note: COURSE RESTRICTED TO VET MED STUDENTS ONLY  
4426005 1 ARRANGED

GPVEC: PREGNCY EXAM VDPAM 421F 1 CREDIT  
Prereq: 4TH-YEAR CLASSIFICATION IN VET MED;  
ABILITY TO PROVIDE OWN TRANSPORTATION TO EACH SITE  
Note: COURSE RESTRICTED TO VET MED STUDENTS ONLY  
4427005 1 ARRANGED

GPVEC: LAMBING VDPAM 421J 1 CREDIT  
Prereq: 4TH-YEAR CLASSIFICATION IN VET MED;  
ABILITY TO PROVIDE OWN TRANSPORTATION TO EACH SITE  
Note: COURSE RESTRICTED TO VET MED STUDENTS ONLY  
4476005 1 ARRANGED

GPVEC: GOMER SURGRY VDPAM 421P 1 CREDIT  
Prereq: 4TH-YEAR CLASSIFICATION IN VET MED;  
ABILITY TO PROVIDE OWN TRANSPORTATION TO EACH SITE  
Note: COURSE RESTRICTED TO VET MED STUDENTS ONLY  
4570005 1 ARRANGED

GPVEC: SWINE HUSBDRY VDPAM 421Q 1 CREDIT  
Prereq: 4TH-YEAR CLASSIFICATION IN VET MED;  
ABILITY TO PROVIDE OWN TRANSPORTATION TO EACH SITE  
9792005 1 ARRANGED

GPVEC: PREG ULTSOUND VDPAM 421S 1 CREDIT  
Prereq: 4TH-YEAR CLASSIFICATION IN VET MED;  
ABILITY TO PROVIDE OWN TRANSPORTATION TO EACH SITE  
9791005 1 ARRANGED

BF RECRD ANLY:INTRO VDPAM 436A 1 CREDIT  
Prereq: 1ST, 2ND OR 3RD YEAR CLASSIF IN VET MED  
OR PERMISSION OF INSTRUCTOR  
4535005 1 R 12:10-1:00 ENGELKEN T  
MEETS: AUG 26-DEC 20  
Note: SEC 1 RESTRICTED TO VET MED STUDENTS ONLY  
4535010 2 ARRANGED ENGELKEN T  
MEETS: AUG 26-DEC 20  
Note: Instructor permission required.

BF RCRDS:PRVNTV MED VDPAM 436C 1 CREDIT  
Prereq: VDPAM 436A, VDPAM 436B; 2ND OR 3RD YEAR  
CLASSIFICATION IN VET MED OR PERMISSION OF INSTRUCTOR  
5262005 1 T 12:10-1:00 ENGELKEN T  
MEETS: AUG 26-DEC 20  
5262010 2 ARRANGED ENGELKEN T  
MEETS: AUG 26-DEC 20  
Note: Instructor permission required.

DISTURB OF REPRODUC VDPAM 450 4 CREDITS  
Prereq: THIRD-YEAR CLASSIFICATION IN V MED  
Note: COURSE RESTRICTED TO VET MED STUDENTS ONLY  
Department permission required 1st week.  
6872005 1 MTRF 10:00-10:50  
MEETS: AUG 26-DEC 20

CLIN EMBRYO TRANSFR VDPAM 451 2 CREDITS  
Prereq: VDPAM 351; FOURTH YEAR CLASSIFICATION IN  
VET MED  
Note: COURSE RESTRICTED TO VET MED STUDENTS ONLY  
4334005 1 MTWRF 8:00-5:00

DIAGNOS LAB PRACTCM VDPAM 455 1 CREDIT  
Prereq: VDPAM 310; FOURTH YEAR CLASSIFICATION IN  
VET MED  
Note: COURSE RESTRICTED TO VET MED STUDENTS ONLY  
6827005 1 MTWRF 8:00-11:50

VET DIAGN LAB MTHDS VDPAM 456 1 CREDIT  
Prereq: SECOND OR THIRD YEAR CLASSIFICATION IN  
VETERINARY MEDICINE  
Note: COURSE RESTRICTED TO VET MED STUDENTS ONLY  
8703005 1 W 7:00-7:50  
MEETS: AUG 26-DEC 20

ANIM WELFARE CLINIC VDPAM 465 2 CREDITS  
Prereq: FOURTH-YEAR CLASSIFICATION IN V MED  
9642005 1 ARRANGED  
MEETS: AUG 26-DEC 20

FOOD AN&CAM FLD SRV VDPAM 476 1- 2 CREDITS  
Prereq: VDPAM 310; FOURTH YEAR CLASSIFICATION IN  
VETERINARY MEDICINE  
Note: COURSE RESTRICTED TO VET MED STUDENTS ONLY  
8725005 1 MTWRF 8:00-5:00

FD ANM&CAM MED&SURG VDPAM 477 2 CREDITS  
Prereq: FOURTH-YEAR CLASSIFICATION IN V MED  
6909005 1 MTWRF 8:00-5:00

SWI PROD MED PRECEP VDPAM 479 1- 6 CREDITS  
Prereq: VDPAM 310; FOURTH YEAR CLASSIFICATION  
IN VETERINARY MEDICINE  
Note: COURSE RESTRICTED TO VET MED STUDENTS ONLY  
5454005 1 ARRANGED

## VET DIAGNOSTIC &amp; PRODUCTION AN MED (CONTINUED)

SWINE PRODUCTN MED VDPAM 480 2 CREDITS  
Prereq: VDPAM 310; 4TH YEAR CLASSIFICATN IN V MED  
OR PERMISSION OF INSTRUCTOR  
5572005 1 ARRANGED  
MEETS: AUG 26-DEC 20

BF PROD MED PRECPTR VDPAM 482 1- 6 CREDITS  
Prereq: VDPAM 310; 4TH YEAR CLASSIFICATN IN V MED  
Note: COURSE RESTRICTED TO VET MED STUDENTS ONLY  
4331005 1 ARRANGED

BEEF PRODUCTION MED VDPAM 483 2 CREDITS  
Prereq: VDPAM 310; 4TH YEAR CLASSIFICATN IN V MED  
Note: COURSE RESTRICTED TO VET MED STUDENTS ONLY  
5562005 1 MTWRF 8:00-5:00  
MEETS: AUG 26-DEC 20

DAIRY PRODUCTN MED VDPAM 484 2 CREDITS  
Prereq: VDPAM 310; 4TH-YEAR CLASSIFICATN IN V MED  
Note: COURSE RESTRICTED TO VET MED STUDENTS ONLY  
5609005 1 MTWRF 8:00-5:00  
MEETS: AUG 26-DEC 20

APP DAIRY PRODU MED VDPAM 485 1- 6 CREDITS  
Prereq: VDPAM 310; 4TH-YEAR CLASSIFICATN IN V MED  
Note: COURSE RESTRICTED TO VET MED STUDENTS ONLY  
5431005 1 ARRANGED

LVSTK DISEAS PREVNT VDPAM 487 3 CREDITS  
6952005 1 TR 11:00-12:30  
MEETS: AUG 26-DEC 20

CLINIC MICROBIO LAB VDPAM 488 1 CREDIT  
Prereq: 4TH-YEAR CLASSIFICATION IN V MED  
Note: COURSE RESTRICTED TO VET MED STUDENTS ONLY  
6950005 1 MTWRF 1:10-5:00

INDEPENDENT STUDY VDPAM 490 1- 5 CREDITS  
Prereq: PERMISSION OF DEPARTMENT CHAIR  
Note: Permission of instructor required. Process  
approved add slip in 2270A Vet Med.  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

ADV RUMINANT NUTRIT VDPAM 491 2 CREDITS  
Prereq: 350 IS RECOMMENDED  
3991005 1 ARRANGED  
MEETS: AUG 26-DEC 20

ADV SM RUMN PROD MD VDPAM 495 2 CREDITS  
Prereq: VDPAM 486, FOURTH YEAR CLASSIFICATION IN  
VETERINARY MEDICINE, OR PERMISSION OF INSTRUCTOR  
9309005 1 ARRANGED  
MEETS: AUG 26-DEC 20

INT'L PRECEPTORSHIP VDPAM 496 1-12 CREDITS  
Prereq: 2ND, 3RD OR 4TH YR CLASSIFICATN IN V MED  
Note: COURSE RESTRICTED TO VET MED STUDENTS ONLY  
Satisfactory-Fail Only.  
7848005 1 ARRANGED

STAT MTHD POPUL STU VDPAM 527 3 CREDITS  
Prereq: STAT 401  
8100005 1 ARRANGED  
MEETS: AUG 26-DEC 20

INTR PROTEOMCS TCNQ VDPAM 542E 1 CREDIT  
Satisfactory-Fail Only.  
7412005 1 TR 1:10-2:00  
TR 2:10-4:00  
MEETS: AUG 26-DEC 20

CLIN &DIAGNOS TOXIC VDPAM 546 1- 3 CREDITS  
Prereq: D.V.M. DEGREE OR VDPAM 526  
7676005 1 ARRANGED  
MEETS: AUG 26-DEC 20

ADV VET DIAGNOS LAB VDPAM 551 1- 3 CREDITS  
Prereq: VDPAM 455  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

SPECIAL TOPICS VDPAM 590 1- 3 CREDITS  
Prereq: PERMISSION OF INSTRUCTOR  
Note: Instructor permission required.  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

INT'L PRECEPTORSHIP VDPAM 596 1-12 CREDITS  
Prereq: ADMISSION TO GRADUATE COLLEGE  
Satisfactory-Fail Only.  
7868005 1 ARRANGED  
MEETS: AUG 26-DEC 20

CREATIVE COMPONENT VDPAM 599 VAR. CREDITS  
Prereq: ENROLLMENT IN NONTHESIS MASTER'S DEGREE  
PROGRAM  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

## VET DIAGNOSTIC &amp; PRODUCTION AN MED (CONTINUED)

## VETERINARY CLINICAL SCIENCES (CONTINUED)

RESEARCH VDPAM 699 VAR. CREDITS  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

**VETERINARY CLINICAL SCIENCES**

VET IN SOCIETY I V C S 311 R CREDIT  
 Prereq: FIRST-YEAR CLASSIFICATION IN VET MED  
 Note: COURSE RESTRICTED TO VET MED STUDENTS ONLY  
 Satisfactory-Fail Only.  
 6002005 1 F 9:00-9:50  
 MEETS: AUG 26-DEC 20

VET IN SOCIETY III V C S 313 1 CREDIT  
 Prereq: SECOND-YEAR CLASSIFICATION IN VET MED  
 Note: COURSE RESTRICTED TO VET MED STUDENTS ONLY  
 Satisfactory-Fail Only.  
 6064005 1 T 9:00-9:50  
 MEETS: AUG 26-DEC 20

VET IN SOCIETY IV V C S 314 1 CREDIT  
 Prereq: THIRD-YEAR CLASSIFICATION IN VET MED  
 Note: COURSE RESTRICTED TO VET MED STUDENTS ONLY  
 Satisfactory-Fail Only.  
 6066005 1 M 9:00-9:50  
 MEETS: AUG 26-DEC 20

CLINICL FOUNDATNS I V C S 339 1 CREDIT  
 Prereq: FIRST-YEAR CLASSIFICATION IN VET MED  
 Note: COURSE RESTRICTED TO VET MED STUDENTS ONLY  
 8079005 1 F 11:00-11:50  
 T 10:00-11:50  
 MEETS: AUG 26-DEC 20  
 8079010 2 F 11:00-11:50  
 R 10:00-11:50  
 MEETS: AUG 26-DEC 20

GRAND ROUNDS V C S 385 R CREDIT  
 Prereq: CLASSIFICATION IN VETERINARY MEDICINE  
 Note: COURSE RESTRICTED TO VET MED STUDENTS ONLY  
 Satisfactory-Fail Only.  
 7446005 1 F 8:00-8:50  
 MEETS: AUG 26-DEC 20

CLINICAL IMAGING I V C S 391 1 CREDIT  
 Prereq: FIRST-YEAR CLASSIFICATION IN V MED  
 Note: COURSE RESTRICTED TO VET MED STUDENTS ONLY  
 Instructor permission required 1st week.  
 6868005 1 W 2:10-3:00 MILES K  
 MEETS: AUG 26-DEC 20  
 6868010 2 F 2:10-3:00 MILES K  
 MEETS: AUG 26-DEC 20

PRINCIP OF SURGERY V C S 393 3 CREDITS  
 Prereq: SECOND-YEAR CLASSIFICATION IN V MED  
 Note: COURSE RESTRICTED TO VET MED STUDENTS ONLY  
 6869005 1 M 11:00-11:50 SWOR T  
 T 10:00-10:50 SWOR T  
 F 8:00-8:50 SWOR T  
 T 1:10-2:30 SWOR T  
 MEETS: AUG 26-DEC 20  
 Note: THE TUESDAY LECTURE WILL NOT MEET IN WEEKS WHEN  
 LAB IS HELD  
 6869010 2 M 11:00-11:50 SWOR T  
 T 10:00-10:50 SWOR T  
 F 8:00-8:50 SWOR T  
 T 3:10-4:30 SWOR T  
 MEETS: AUG 26-DEC 20  
 Note: THE TUESDAY LECTURE WILL NOT MEET IN WEEKS WHEN  
 LAB IS HELD

ONCOLOGY V C S 409 2 CREDITS  
 Prereq: FOURTH-YEAR CLASSIFICATION IN VET MED  
 Note: COURSE RESTRICTED TO VET MED STUDENTS ONLY  
 9213005 1 MTWRF 8:00-5:00

ADV SML AN DERMATOL V C S 415 2 CREDITS  
 Prereq: THIRD OR FOURTH-YR CLASSIFICATN IN V MED  
 Note: COURSE RESTRICTED TO VET MED STUDENTS ONLY  
 7778005 1 R 2:10-3:00  
 R 3:10-5:00  
 MEETS: AUG 26-DEC 20

PRECEPTOR COMPANION V C S 419A 2- 6 CREDITS  
 Prereq: FOURTH-YEAR CLASSIFICATION IN VET MED,  
 PERMISSION OF DEPARTMENT CURRICULUM COMMITTEE  
 Note: PROCESS APPROVED ADD SLIP IN 2270A VET MED  
 3695005 1 ARRANGED  
 Note: Permission of instructor required. Process  
 Approved add slip in 2270A Vet Med.

PRACTICUM V C S 420 R CREDIT  
 Prereq: FOURTH-YEAR CLASSIFICATION IN VET MED,  
 PERMISSION OF INSTRUCTOR  
 Satisfactory-Fail Only.  
 4548005 1 MTWRF 8:00-5:00

BLANK PK ZOO ROTATN V C S 422 4 CREDITS

Prereq: V C S 405, FOURTH-YEAR CLASSIFICATION IN  
 V MED, PERMISSION OF INSTRUCTOR  
 1166005 1 MTWRF 8:00-5:00

SM ANIM INTERNL MED V C S 436 3 CREDITS  
 Prereq: 3RD YR CLASSIFICATION IN VET MED  
 Note: COURSE RESTRICTED TO VET MED STUDENTS ONLY  
 3915005 1 TWR 9:00-9:50  
 MEETS: AUG 26-DEC 20

SM ANIML SHELTR MED V C S 437 2 CREDITS  
 Prereq: FOURTH-YEAR CLASSIFICATION IN VET MED  
 7944005 1 MTWRF 8:00-5:00

CANINE REHABILITATN V C S 441 2 CREDITS  
 Prereq: FOURTH-YEAR CLASSIFICATION IN VET MED  
 Note: COURSE RESTRICTED TO VET MED STUDENTS ONLY  
 9232005 1 MTWRF 8:00-5:00

SMALL ANIMAL MED V C S 444 4 CREDITS  
 Prereq: THIRD-YEAR CLASSIFICATION IN V MED  
 Note: COURSE RESTRICTED TO VET MED STUDENTS ONLY  
 Instructor permission required 1st week  
 6883005 1 MTR 8:00-8:50 NOXON J  
 F 9:00-9:50 NOXON J  
 MEETS: AUG 26-DEC 20

EQUINE MEDICINE V C S 445 2 CREDITS  
 Prereq: THIRD-YEAR CLASSIFICATION IN V MED  
 Note: COURSE RESTRICTED TO VET MED STUDENTS ONLY  
 6884005 1 W 10:00-10:50  
 R 11:00-11:50  
 MEETS: AUG 26-DEC 20

CLINICAL NEUROLOGY V C S 446 2 CREDITS  
 Prereq: 4TH-YEAR CLASSIFICATION IN VET MED  
 Note: COURSE RESTRICTED TO FOURTH-YEAR VET MED STUDENTS  
 5112005 1 MTWRF 8:00-5:00

EQUINE DIAGNOS SKIL V C S 447 2 CREDITS  
 Prereq: FOURTH-YEAR CLASSIFICATION IN VETERINARY  
 MEDICINE - PREFERENCE TO EQUINE TRACK STUDENT.  
 LIMITED TO 16 STUDENTS.  
 Note: COURSE RESTRICTED TO VET MED STUDENTS ONLY  
 9171005 1 MTWRF 8:00-5:00

SURG LAB NEU H SOCI V C S 449A 3 CREDITS  
 Prereq: THIRD-YEAR CLASSIFICATION IN V MED  
 Note: COURSE RESTRICTED TO VET MED STUDENTS ONLY  
 Department permission required 1st week.  
 7010008 1 W 11:00-11:50 SWOR T  
 F 1:10-6:00PM  
 MEETS: AUG 26-DEC 20

TRADITIONL SURG LAB V C S 449B 3 CREDITS  
 Prereq: THIRD-YEAR CLASSIFICATION IN V MED  
 Note: COURSE RESTRICTED TO VET MED STUDENTS ONLY  
 Department permission required 1st week.  
 7662005 1 W 11:00-11:50 SWOR T  
 M 1:10-6:00PM  
 MEETS: AUG 26-DEC 20  
 7662010 2 W 11:00-11:50 SWOR T  
 W 1:10-6:00PM SWOR T  
 MEETS: AUG 26-DEC 20  
 7662015 3 W 11:00-11:50 SWOR T  
 F 1:10-6:00PM SWOR T  
 MEETS: AUG 26-DEC 20

CLINICL DERMATOLOGY V C S 452 2 CREDITS  
 Prereq: FOURTH-YEAR CLASSIFICATION IN VETERINARY  
 MEDICINE. MUST HAVE INSTRUCTOR PERMISSION TO REPEAT  
 THIS COURSE.  
 Note: COURSE RESTRICTED TO VET MED STUDENTS ONLY  
 1931005 1 MTWRF 8:00-5:00

SMALL ANIMAL MED I V C S 453 2 CREDITS  
 Prereq: FOURTH-YEAR CLASSIFICATION IN V MED  
 Note: COURSE RESTRICTED TO FOURTH-YEAR VET MED STUDENTS  
 6889005 1 MTWRF 8:00-5:00

SM AN SOFT TISS SUR V C S 455 2 CREDITS  
 Prereq: FOURTH-YEAR CLASSIFICATION IN V MED  
 Note: COURSE RESTRICTED TO FOURTH-YEAR VET MED STUDENTS  
 6891005 1 MTWRF 8:00-5:00

SM AN ORTHOPED SURG V C S 456 2 CREDITS  
 Prereq: FOURTH-YEAR CLASSIFICATION IN V MED  
 Note: COURSE RESTRICTED TO FOURTH-YEAR VET MED STUDENTS  
 6892005 1 MTWRF 8:00-5:00

EQUINE MEDICINE V C S 457 2 CREDITS  
 Prereq: FOURTH-YEAR CLASSIFICATION IN V MED  
 Note: COURSE RESTRICTED TO FOURTH-YEAR VET MED STUDENTS  
 6893005 1 MTWRF 8:00-5:00

## VETERINARY CLINICAL SCIENCES (CONTINUED)

EQUINE SURGERY V C S 458 2 CREDITS  
Prereq: FOURTH-YEAR CLASSIFICATION IN V MED  
Note: COURSE RESTRICTED TO FOURTH-YEAR VET MED STUDENTS  
6894005 1 MTWRFS 8:00-5:00

SM AN OVERPOP OMAHA V C S 459A 2 CREDITS  
Prereq: FOURTH-YEAR CLASSIFICATION IN V MED  
Note: COURSE RESTRICTED TO FOURTH-YEAR VET MED STUDENTS  
OMAHA  
4050005 1 ARRANGED

SM AN OVERPOP D.M. V C S 459B 2 CREDITS  
Prereq: FOURTH-YEAR CLASSIFICATION IN V MED  
Note: COURSE RESTRICTED TO FOURTH-YEAR VET MED STUDENTS  
DES MOINES  
4107005 1 ARRANGED

SM AN OVERPOP K.C. V C S 459C 2 CREDITS  
Prereq: FOURTH-YEAR CLASSIFICATION IN V MED  
Note: COURSE RESTRICTED TO FOURTH-YEAR VET MED STUDENTS  
KANSAS CITY  
4313005 1 ARRANGED

SM AN OVERPOP BOULD V C S 459D 2 CREDITS  
Prereq: FOURTH-YEAR CLASSIFICATION IN V MED  
Note: COURSE TRAVELING TO BOULDER, CO  
6542005 1 ARRANGED  
MEETS: AUG 26-DEC 20

SM AN OVERPOP ASHVL V C S 459E 2 CREDITS  
Prereq: FOURTH-YEAR CLASSIFICATION IN V MED  
Note: COURSE TRAVELING TO NORTH CAROLINA  
6640005 1 ARRANGED  
MEETS: AUG 26-DEC 20

RADIOLOGY V C S 460 2 CREDITS  
Prereq: FOURTH-YEAR CLASSIFICATION IN V MED  
Note: COURSE RESTRICTED TO FOURTH-YEAR VET MED STUDENTS  
6896005 1 MTWRFS 8:00-5:00

PRIMARY CARE V C S 463 2 CREDITS  
Prereq: FOURTH YEAR CLASSIFICATION IN VET MED  
Note: COURSE RESTRICTED TO FOURTH-YEAR VET MED STUDENTS  
2322005 1 MTWRFS 8:00-5:00

EQUINE FIELD SERVIC V C S 464 2 CREDITS  
Prereq: FOURTH-YEAR CLASSIFICATION IN V MED  
Note: COURSE RESTRICTED TO FOURTH-YEAR VET MED STUDENTS  
4247005 1 MTWRF 8:00-5:00

FARRIER V C S 465 2 CREDITS  
Prereq: FOURTH-YEAR CLASSIFICATION IN VET MED  
Note: COURSE RESTRICTED TO FOURTH-YEAR VET MED STUDENTS  
7756005 1 MTWRF 8:00-5:00

VET ANESTHESIOLOGY V C S 466 2 CREDITS  
Prereq: FOURTH-YEAR CLASSIFICATION IN V MED  
Note: COURSE RESTRICTED TO FOURTH-YEAR VET MED STUDENTS  
6898005 1 MTWRFS 8:00-5:00

INTENSIVE CARE V C S 468 4 CREDITS  
Prereq: FOURTH-YEAR CLASSIFICATION IN V MED  
Note: COURSE RESTRICTED TO FOURTH-YEAR VET MED STUDENTS  
6900005 1 ARRANGED

OPHTHALMOLOGY V C S 469 2 CREDITS  
Prereq: FOURTH-YEAR CLASSIFICATION IN V MED  
Note: COURSE RESTRICTED TO FOURTH-YEAR VET MED STUDENTS  
6901005 1 MTWRFS 8:00-5:00

RADIOLOGY V C S 470 2 CREDITS  
Prereq: FOURTH-YEAR CLASSIFICATION IN V MED;  
COMPLETION OF V C S 460 RADIOLOGY IS REQUIRED;  
ENROLLMENT BY PERMISSION OF INSTRUCTOR  
Note: Permission of instructor required. Process  
approved add slip in 2270A Vet Med.  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

CMPARTV ANIM REPROD V C S 471C 2 CREDITS  
Prereq: FOURTH-YEAR CLASSIFICATION IN V MED  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

VET CARDIOLGY ROTAT V C S 475 2 CREDITS  
Prereq: FOURTH YEAR CLASSIFICATION IN V MED  
Note: Department permission required.  
9128005 1 MTWRF 8:00-5:00

EQUINE ANESTHESIOLOGY V C S 476E 2 CREDITS  
Prereq: FOURTH-YEAR CLASSIFICATION IN V MED  
Note: Permission of instructor required. Process  
approved add slip in 2270A Vet Med.  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

SM ANIML ANESTHESIO V C S 476S 2 CREDITS  
Prereq: FOURTH-YEAR CLASSIFICATION IN V MED  
Note: Permission of instructor required. Process  
approved add slip in 2270A Vet Med.  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

## VETERINARY CLINICAL SCIENCES (CONTINUED)

INTENSV&CRITCL CARE V C S 478 2 CREDITS  
Prereq: FOURTH-YEAR CLASSIFICATION IN V MED  
9816005 1 MTWRF 8:00-5:00

VETERINRY DENTISTRY V C S 480 1 CREDIT  
Prereq: THIRD OR FOURTH-YR CLASSIFICATN IN V MED  
Note: COURSE RESTRICTED TO VET MED STUDENTS ONLY  
2247005 1 ARRANGED  
MEETS: AUG 26-DEC 20

VET DENTST&ORAL SRG V C S 482 2 CREDITS  
Prereq: FOURTH-YEAR CLASSIFICATION IN V MED;  
COMPLETION OF PRIMARY CARE ROTATION OR FAMILIAR  
WITH THE PRIMARY CARE PROTOCOL; PROOF OF RABIES  
PROPHYLAXIS AND A PROTECTIVE TITER  
8729005 1 ARRANGED  
MEETS: AUG 26-DEC 20

INDEPENDENT STUDY V C S 490 VAR. CREDITS  
Prereq: PERMISSION OF COURSE INSTRUCTOR-OF-RECORD  
AND SPONSORING V C S FACULTY MEMBER  
Note: COURSE RESTRICTED TO VET MED STUDENTS ONLY  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

INDEP STUDY HONORS V C S 490H VAR. CREDITS  
Prereq: PERMISSION OF INSTRUCTOR AND DEPT CHAIR  
MEMBERSHIP IN UNIV HONORS PROGRAM  
Note: COURSE RESTRICTED TO V MED STUDENTS IN THE  
UNIVERSITY HONORS PROGRAM ONLY  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

GRAND RNDS PRESENTN V C S 495 R CREDIT  
Prereq: FOURTH-YEAR CLASSIFICATION IN V MED  
Note: COURSE RESTRICTED TO FOURTH-YEAR VET MED STUDENTS  
Satisfactory-Fail Only.  
6914005 1 F 8:00-8:50

INT'L PRECEPTORSHIP V C S 496 1-12 CREDITS  
Prereq: CLASSIFICATION IN VET MED. PERMISSION OF  
COURSE INSTRUCTOR-OF-RECORD AND SPONSORING V C S  
FACULTY  
Note: COURSE RESTRICTED TO VET MED STUDENTS ONLY  
Satisfactory-Fail Only.  
6094005 1 ARRANGED  
MEETS: AUG 26-DEC 20

SPL TOPICS MEDICINE V C S 590A 1- 3 CREDITS  
Prereq: PERMISSION OF INSTRUCTOR  
Note: Instructor permission required.  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

SPCL TOPICS SURGERY V C S 590B 1- 3 CREDITS  
Prereq: PERMISSION OF INSTRUCTOR  
Note: Instructor permission required.  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

SPL TOPIC RADIOLOGY V C S 590D 1- 3 CREDITS  
Prereq: PERMISSION OF INSTRUCTOR  
Note: Instructor permission required.  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

SPL TOP OPHTHALMLGY V C S 590F 1- 3 CREDITS  
Prereq: Instructor permission required.  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

CREATIVE COMPONENT V C S 599 VAR. CREDITS  
Prereq: ENROLLMENT IN NONTHESIS MASTERS PROGRAM  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

SEMINAR V C S 604 1 CREDIT  
6921005 1 ARRANGED  
MEETS: AUG 26-DEC 20

ADVANCED RADIOLOGY V C S 640 2 CREDITS  
Prereq: V C S 448  
6922005 1 ARRANGED  
MEETS: AUG 26-DEC 20

ADV GENERAL SURGERY V C S 671 2 CREDITS  
Prereq: PERMISSION OF INSTRUCTOR  
6925005 1 ARRANGED  
MEETS: AUG 26-DEC 20

ADV SPECIAL SURGERY V C S 672 2 CREDITS  
Prereq: PERMISSION OF INSTRUCTOR  
6926005 1 ARRANGED  
MEETS: AUG 26-DEC 20

ADVANCED MEDICINE V C S 676 2 CREDITS  
Prereq: V C S 445  
6927005 1 ARRANGED  
MEETS: AUG 26-DEC 20

ADVANCED MEDICINE V C S 677 2 CREDITS  
Prereq: V C S 445  
6928005 1 ARRANGED  
MEETS: AUG 26-DEC 20

## VETERINARY CLINICAL SCIENCES (CONTINUED)

RESEARCH MEDICINE V C S 699A VAR. CREDITS  
\*\*\*\*\*  
SEE DEPT FOR REFERENCE NUMBERS

RESEARCH OPHTHALMOLGY V C S 699F VAR. CREDITS  
\*\*\*\*\*  
SEE DEPT FOR REFERENCE NUMBERS

RESEARCH: CARDIOLOGY V C S 699G VAR. CREDITS  
\*\*\*\*\*  
SEE DEPT FOR REFERENCE NUMBERS

**VETERINARY MICROBIOLOGY & PREV MED**

GLOBAL HEALTH V MPM 360X 3 CREDITS  
Prereq: BIOL 211  
Note: Meets international perspectives reqmt  
0096005 1 TR 4:10-5:25  
MEETS: AUG 26-DEC 20

VETNRY MICROBIOLOGY V MPM 386 5 CREDITS  
Prereq: SECOND-YEAR CLASSIFICATION IN V MED  
Note: COURSE RESTRICTED TO FIRST-YEAR THROUGH  
FOURTH-YEAR VET MED STUDENTS ONLY  
6942010 1 MWF 9:00-9:50 GRIFFITH R  
MW 3:10-4:30  
F 1:10-2:30  
MEETS: AUG 26-DEC 20  
6942015 2 MWF 9:00-9:50  
MW 1:10-2:30  
F 10:00-11:30  
MEETS: AUG 26-DEC 20

TOPICS VET HISTORY V MPM 390 1 CREDIT  
7244005 1 ARRANGED  
MEETS: AUG 26-OCT 18

PUBLIC HEALTH LAB V MPM 486 2 CREDITS  
Prereq: FOURTH-YEAR CLASSIFICATION IN V MED  
Note: COURSE RESTRICTED TO VET MED STUDENTS ONLY  
6951005 1 MTWRF 2:10-5:00

INDEPENDENT STUDY V MPM 490 VAR. CREDITS  
Prereq: PERMISSION OF INSTRUCTOR AND DEPT CHAIR  
Note: Permission of instructor required. Process  
approved add slip in 2270A Vet Med.  
\*\*\*\*\*  
SEE DEPT FOR REFERENCE NUMBERS

CDC EPIDEM PRECEPTR V MPM 491 6 CREDITS  
Prereq: WRITTEN PERMISSION OF INSTRUCTOR  
Note: COURSE RESTRICTED TO VET MED STUDENTS ONLY  
1885005 1 ARRANGED  
MEETS: AUG 26-DEC 20

BASIC PRIN MICROBIO V MPM 501 3 CREDITS  
9215005 1 TR 1:10-2:00  
W 3:10-4:00  
MEETS: AUG 26-DEC 20

GUT MICROBIOME:HLTH V MPM 517 3 CREDITS  
Prereq: BASIC KNOWLEDGE IN MICROBIOLOGY  
7737005 1 TR 9:30-10:50  
MEETS: AUG 26-DEC 20

MEDICAL IMMUNOLGY I V MPM 520 4 CREDITS  
Prereq: MICRO 310 OR V MPM 386, 3 CR IN BIOCHEM  
Note: CREDIT FOR EITHER V MPM 520 OR MICRO/V MPM 575,  
BUT NOT BOTH, MAY BE APPLIED TOWARD GRADUATION  
6955005 1 TR 3:10-5:00  
MEETS: AUG 26-DEC 20

INTR PROTEOMCS TCNQ V MPM 542E 1 CREDIT  
Satisfactory-Fail Only.  
9678005 1 TR 1:10-2:00  
TR 2:10-4:00  
MEETS: AUG 26-DEC 20

INTR METABLCS TCNQ V MPM 542F 1 CREDIT  
Satisfactory-Fail Only.  
9680005 1 M 1:10-2:00  
M 2:10-4:00  
MEETS: AUG 26-DEC 20

MEDICL BACTERIOLOGY V MPM 586 4 CREDITS  
Prereq: PERMISSION OF INSTRUCTOR  
9271005 1 MWF 9:00-9:50  
ARRANGED  
MEETS: AUG 26-DEC 20

MED BACTERIOLGY LAB V MPM 586L 2 CREDITS  
Prereq: CREDIT OR ENROLLMENT IN 586 OR 625  
7378005 1 MWF 1:10-2:30  
MEETS: AUG 26-DEC 20

SPECIAL TOPICS V MPM 590 1- 5 CREDITS  
Prereq: PERMISSION OF INSTRUCTOR  
Note: Instructor permission required.  
\*\*\*\*\*  
SEE DEPT FOR REFERENCE NUMBERS

## VETERINARY MICROBIOLOGY &amp; PREV MED (CONTINUED)

CREATIVE COMPONENT V MPM 599 VAR. CREDITS  
Prereq: NONTHESIS M.S. OPTION ONLY  
\*\*\*\*\*  
SEE DEPT FOR REFERENCE NUMBERS

SEMINAR V MPM 604 1 CREDIT  
Satisfactory-Fail Only.  
6770005 1 R 4:10-5:00  
MEETS: AUG 26-DEC 20

MOLECULAR VIROLOGY V MPM 608 3 CREDITS  
Prereq: BBMB 405 OR GDCEB 511  
6964005 1 ARRANGED  
MEETS: AUG 26-DEC 20

CURR TOPICS IMMUNOL V MPM 690A 1- 3 CREDITS  
Prereq: PERMISSION OF INSTRUCTOR  
Note: Instructor permission required.  
\*\*\*\*\*  
SEE DEPT FOR REFERENCE NUMBERS

CURR TOP INFECT DIS V MPM 690B 1- 3 CREDITS  
Prereq: PERMISSION OF INSTRUCTOR  
Note: COURSE ONLY OFFERED FOR 2 CREDITS FALL 2019  
Instructor permission required.  
\*\*\*\*\*  
SEE DEPT FOR REFERENCE NUMBERS

SEM N MOLEC,C,DV BIO V MPM 698 1- 2 CREDITS  
Note: COURSE ONLY OFFERED FOR 1 CREDIT FALL 2019  
7082005 1 M 3:10-5:00  
MEETS: AUG 26-DEC 20  
Note: SEC 1 WILL NOT MEET EVERY WEEK. MEETING  
DATES TO BE ANNOUNCED.

RESEARCH V MPM 699 VAR. CREDITS  
\*\*\*\*\*  
SEE DEPT FOR REFERENCE NUMBERS

**VETERINARY PATHOLOGY**

ANATOMIC PATHOL II V PTH 372 4 CREDITS  
Prereq: 342  
Note: COURSE RESTRICTED TO VET MED STUDENTS ONLY  
7675005 1 MWR 10:00-10:50  
MW 3:10-4:40  
MEETS: AUG 26-DEC 20  
7675010 2 MWR 10:00-10:50  
MW 3:10-4:40  
MEETS: AUG 26-DEC 20

VET PARASITOLOGY V PTH 376 4 CREDITS  
Prereq: SECOND-YEAR CLASSIFICATION IN VET MED  
Note: COURSE RESTRICTED TO VET MED STUDENTS ONLY  
6999005 1 TWR 11:00-11:50  
TR 1:10-2:30  
MEETS: AUG 26-DEC 20  
6999010 2 TWR 11:00-11:50  
TR 3:10-4:30  
MEETS: AUG 26-DEC 20

CASE STUDY III V PTH 377 2 CREDITS  
Prereq: 2ND-YEAR CLASSIFICATION IN VET MED  
Note: COURSE RESTRICTED TO VET MED STUDENTS ONLY  
6956005 1 M 8:00-8:50  
R 8:00-9:50  
MEETS: AUG 26-DEC 20

NECROPSY LAB PRACTM V PTH 456 1 CREDIT  
Prereq: FOURTH-YEAR CLASSIFICATION IN V MED  
Note: COURSE RESTRICTED TO VET MED STUDENTS ONLY  
7007005 1 MTWRF 1:10-5:00  
S 10:00-11:50

CLIN PATH LAB PRACT V PTH 457 1 CREDIT  
Prereq: FOURTH-YEAR CLASSIFICATION IN V MED  
Note: COURSE RESTRICTED TO VET MED STUDENTS ONLY  
7008005 1 MTWRF 8:00-11:50

INDEPENDENT STUDY V PTH 490 VAR. CREDITS  
Prereq: PERMISSION OF INSTRUCTOR & DEPT CHAIR  
Note: Permission of instructor required. Process  
approved add slip in 2270A Vet Med.  
\*\*\*\*\*  
SEE DEPT FOR REFERENCE NUMBERS

TEACH&LRN VET MD ED V PTH 530 3 CREDITS  
7482005 1 R 2:30-5:00  
MEETS: AUG 26-DEC 20

DIAGN PARASITOL LAB V PTH 548 1- 3 CREDITS  
Prereq: 376 OR 576  
9668005 1 ARRANGED  
MEETS: AUG 26-DEC 20

CLIN PATHOLOGY LAB V PTH 549 1 CREDIT  
Prereq: 457, PERMISSION OF INSTRUCTOR  
Satisfactory-Fail Only.  
7037005 1 ARRANGED  
MEETS: AUG 26-DEC 20  
Note: Instructor permission required.

VETERINARY PATHOLOGY

(CONTINUED)

SURGICAL PATHOL LAB V PTH 550 1- 3 CREDITS  
 Prereq: 570 OR 571, PERMISSION OF INSTRUCTOR  
 Note: Instructor permission required.  
 Satisfactory-Fail Only.  
 7479005 1 ARRANGED  
 MEETS: AUG 26-DEC 20

POSTMORT PATHOL LAB V PTH 551 1- 3 CREDITS  
 Prereq: 542, PERMISSION OF INSTRUCTOR  
 Note: Instructor permission required.  
 Satisfactory-Fail Only.  
 7038005 1 MTWRF 1:10-5:00  
 S 10:00-11:50  
 MEETS: AUG 26-DEC 20

VET PARASITOLOGY V PTH 576 4 CREDITS  
 Prereq: GRAD CLASSIFICATION, V PTH 542  
 9012005 1 TWR 11:00-11:50  
 TR 1:10-2:30  
 MEETS: AUG 26-DEC 20  
 9012010 2 TWR 11:00-11:50  
 TR 3:10-4:30  
 MEETS: AUG 26-DEC 20

SPL TOPC VET PATHOL V PTH 590A 1- 4 CREDITS  
 Prereq: PERMISSION OF INSTRUCTOR  
 Note: Instructor permission required.  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

SPL TOP VET PARASIT V PTH 590B 1- 4 CREDITS  
 Prereq: PERMISSION OF INSTRUCTOR  
 Note: Instructor permission required.  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

SP TOP VET CLIN PTH V PTH 590D 1- 4 CREDITS  
 Prereq: PERMISSION OF INSTRUCTOR  
 Note: Instructor permission required.  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

SPECIAL TOPICS V PTH 590E 1- 4 CREDITS  
 Prereq: PERMISSION OF INSTRUCTOR  
 Note: Instructor permission required.  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

CRTV CMP VET PATHOL V PTH 599A VAR. CREDITS  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

CRTV CMP VET PARASI V PTH 599B VAR. CREDITS  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

CRTV CMP V CLIN PTH V PTH 599D VAR. CREDITS  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

PATHOL CASE SEMINAR V PTH 604 1- 2 CREDITS  
 Prereq: PERMISSION OF INSTRUCTOR  
 Note: Instructor permission required.  
 Satisfactory-Fail Only.  
 7027005 1 R 12:10-1:00  
 MEETS: AUG 26-DEC 20

CURR TOPICS SEMINAR V PTH 605 1 CREDIT  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

DIAG INTERPR V PATH V PTH 606A R CREDIT  
 Prereq: PERMISSION OF INSTRUCTOR  
 Note: Instructor permission required.  
 7029005 1 ARRANGED  
 MEETS: AUG 26-DEC 20

DIAG INTERP V PARAS V PTH 606B R CREDIT  
 Prereq: PERMISSION OF INSTRUCTOR  
 Note: Instructor permission required.  
 7030005 1 ARRANGED  
 MEETS: AUG 26-DEC 20

DIAG INTERP VET TOX V PTH 606C R CREDIT  
 Prereq: PERMISSION OF INSTRUCTOR  
 Note: Instructor permission required.  
 5787005 1 ARRANGED  
 MEETS: AUG 26-DEC 20

DIAG INTERP CLINPTH V PTH 606D R CREDIT  
 Prereq: PERMISSION OF INSTRUCTOR  
 Note: Instructor permission required.  
 9694005 1 ARRANGED  
 MEETS: AUG 26-DEC 20

VET PATHOLOGY RSRCH V PTH 699A VAR. CREDITS  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

VET PARASITOLGY RES V PTH 699B VAR. CREDITS  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

VET CLIN PATH RSRCH V PTH 699D VAR. CREDITS  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

WIND ENERGY SCIENCE, ENGINEERING AND POL

WIND ENRGY RES SMNR WESEP 594 1 CREDIT  
 Prereq: GRADUATE STANDING  
 9662005 1 ARRANGED  
 MEETS: AUG 26-DEC 20

WOMEN'S AND GENDER STUDIES

GENDER JUSTICE WGS 160 1 CREDIT  
 Note: Meets U.S. diversity reqmt  
 Satisfactory-Fail Only.  
 2484005 1 M 2:10-3:00  
 W 2:10-3:00  
 MEETS: AUG 26-OCT 18  
 2484010 2 M 2:10-3:00  
 W 3:10-4:00  
 MEETS: OCT 21-DEC 20  
 2484015 3 M 2:10-3:00  
 W 9:00-9:50  
 MEETS: OCT 21-DEC 20  
 2484020 4 M 2:10-3:00  
 W 11:00-11:50  
 MEETS: OCT 21-DEC 20

INTRO WOMN&GNDR STU WGS 201 3 CREDITS  
 Note: Meets U.S. diversity reqmt  
 7058005 1 M 10:00-10:50  
 WF 9:00-9:50  
 MEETS: AUG 26-DEC 20  
 7058010 2 M 10:00-10:50  
 WF 10:00-10:50  
 MEETS: AUG 26-DEC 20  
 7058015 3 M 10:00-10:50  
 WF 11:00-11:50  
 MEETS: AUG 26-DEC 20  
 7058020 4 M 10:00-10:50  
 WF 12:10-1:00  
 MEETS: AUG 26-DEC 20  
 7058025 5 M 10:00-10:50  
 WF 1:10-2:00  
 MEETS: AUG 26-DEC 20  
 7058030 6 M 10:00-10:50  
 WF 2:10-3:00  
 MEETS: AUG 26-DEC 20  
 7058035 7 M 10:00-10:50  
 WF 3:10-4:00  
 MEETS: AUG 26-DEC 20

INTRO QUEER STUDIES WGS 205 3 CREDITS  
 Prereq: ENGL 150  
 Note: Meets U.S. diversity reqmt  
 5940005 1 TR 3:40-5:00  
 MEETS: AUG 26-DEC 20

WOMEN & GENDER INT'L WGS 301 3 CREDITS  
 Prereq: WGS 201 OR 3 CREDITS IN WGS AT  
 300 LEVEL OR ABOVE  
 Note: Meets international perspectives reqmt  
 7060005 1 TR 9:30-10:50  
 MEETS: AUG 26-DEC 20

WOMEN IN SCI & ENGR WGS 307 3 CREDITS  
 Prereq: A 200-LEVEL COURSE IN SCIENCE OR ENGR OR  
 WOMEN'S STUDIES; ENGL 250  
 Note: Meets U.S. diversity reqmt  
 1111005 1 TR 9:30-10:50  
 MEETS: AUG 26-DEC 20

WRITE LIKE A WOMAN WGS 308 3 CREDITS  
 Prereq: ENGL 250  
 Note: COURSE NOT OPEN TO FRESHMEN  
 8493005 1 MWF 10:00-10:50  
 MEETS: AUG 26-DEC 20

ECOFEMINISM WGS 320 3 CREDITS  
 Prereq: WGS 201 OR 3 CREDITS IN WGS AT THE  
 300 LEVEL OR ABOVE  
 Note: Meets U.S. diversity reqmt  
 6268005 1 W 3:10-5:40  
 MEETS: AUG 26-DEC 20

ECON OF DISCRIMINAT WGS 321 3 CREDITS  
 Prereq: ECON 101  
 Note: Meets U.S. diversity reqmt  
 7070005 1 MWF 11:00-11:50  
 MEETS: AUG 26-DEC 20  
 7070010 2 MWF 1:10-2:00  
 MEETS: AUG 26-DEC 20

GENDER & COMMUNICTN WGS 323 3 CREDITS  
 Note: Meets U.S. diversity reqmt  
 3533005 1 MWF 2:10-3:00  
 MEETS: AUG 26-DEC 20  
 3533010 2 MWF 12:10-1:00  
 MEETS: AUG 26-DEC 20

## WOMEN'S AND GENDER STUDIES

(CONTINUED)

SEX&GENDER IN SOCIE WGS 327 3 CREDITS  
Prereq: SOC 134  
Note: SEC A1,B1 RESTRICTED TO SOC, P S A, AG SO,  
W S, INDIS - CJ ST MAJORS ONLY. SEC A2,B2  
RESTRICTED TO MAJORS OTHER THAN SOC, P S A, AG SO,  
W S, INDIS - CJ ST.  
Meets U.S. diversity reqmt  
7061005 A1 MWF 10:00-10:50 POPILLION A  
MEETS: AUG 26-DEC 20  
7061010 A2 MWF 10:00-10:50 POPILLION A  
MEETS: AUG 26-DEC 20

MASCULINIT &MANHOOD WGS 328 3 CREDITS  
Prereq: SOC 134 OR W S 201/WGS 201  
Note: Meets U.S. diversity reqmt  
5672005 1 MWF 1:10-2:00 GOEBEL M  
MEETS: AUG 26-DEC 20

FEMINIST PHILOSOPHY WGS 338 3 CREDITS  
Prereq: 3 CR IN PHIL OR WOMEN'S STUDIES RECOMMND  
Note: Meets U.S. diversity reqmt  
6331005 1 W 3:10-5:00  
MEETS: AUG 26-DEC 20

PSYCHOLOGY OF WOMEN WGS 346 3 CREDITS  
Prereq: 2 COURSES IN PSYCHOLOGY INCLUDING  
PSYCH 101  
Note: Meets U.S. diversity reqmt  
7064005 A1 TR 12:40-2:00  
MEETS: AUG 26-DEC 20  
Note: SEC A1 RESTRICTED TO PSYCH MAJORS ONLY  
7064010 A2 TR 12:40-2:00  
MEETS: AUG 26-DEC 20  
Note: SEC A2 RESTRICTED TO MAJORS OTHER THAN PSYCH

WOMEN IN POLITICS WGS 385 3 CREDITS  
Note: Meets U.S. diversity reqmt  
7067005 1 TR 11:00-12:20  
MEETS: AUG 26-DEC 20

FEMINIST THEORIES WGS 401 3 CREDITS  
Prereq: WGS 201 OR 3 CREDITS IN WGS AT 300-LEVEL  
OR ABOVE  
Note: Department permission required 1st week.  
7069005 1 M 3:30-6:10PM  
MEETS: AUG 26-DEC 20

TOPCS WMN&GENDR STU WGS 450 3 CREDITS  
Prereq: W S 201/WGS 201 OR 3 CREDITS IN WGS  
AT 300 LEVEL OR ABOVE  
Note: NO MORE THAN 6 CREDITS OF W S 450/WGS 450  
MAY BE APPLIED TOWARD GRADUATION  
TOPIC: HUMAN TRAFFICKING  
8910005 1 TR 2:10-3:30  
MEETS: AUG 26-DEC 20

INDEPENDENT STUDY WGS 490 1- 3 CREDITS  
Prereq: ANY TWO COURSES IN WGS  
Note: NO MORE THAN 6 CREDITS OF W S 490 MAY BE  
APPLIED TOWARD REQUIREMENTS FOR THE W S MAJOR  
Department permission required.  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

INTERNSHIP WGS 491 1- 3 CREDITS  
Prereq: JUNIOR OR SENIOR CLASSIFICATION  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

WOMEN/GENDER IN ART WGS 494 3 CREDITS  
Note: Meets U.S. diversity reqmt  
Instructor permission required 1st week.  
1271005 1 TR 2:10-3:30  
MEETS: AUG 26-DEC 20

SENIOR THESIS WGS 499 3 CREDITS  
Prereq: SENIOR CLASSIFICATION  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

CNTMP FEMINST THEOR WGS 501 3 CREDITS  
4873005 1 M 3:30-6:10PM  
MEETS: AUG 26-DEC 20

SPECIAL TOPICS WGS 590 VAR. CREDITS  
Prereq: PERMISSION OF WOMEN'S AND GENDER STUDIES  
PROGRAM DIRECTOR  
Note: Department permission required 1st week.  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

PEDAGOGI OF DISSENT WGS 621 3 CREDITS  
Prereq: EL PS 620  
9437005 1 T 5:10-8:00PM  
MEETS: AUG 26-DEC 20

## WORLD LANGUAGES AND CULTURES

INTRO WORLD LANGUAG WLC 119 3 CREDITS  
Note: Meets international perspectives reqmt  
5865005 1 MWF 3:10-4:00  
MEETS: AUG 26-DEC 20  
Note: SEC 1 RESTRICTED TO LING MAJORS ONLY  
5865010 2 MWF 3:10-4:00  
MEETS: AUG 26-DEC 20

STDT TCH WORLD LANG WLC 417G VAR. CREDITS  
Prereq: MINIMUM GPA OF 2.5; ADMISSION TO TEACHER  
EDUCATION; APPROVAL OF COORDINATOR DURING SEMESTER  
BEFORE STUDENT TEACHING  
Note: RESTRICTED TO STUDENTS WITH FULL ADMISSION  
TO THE UNIVERSITY TEACHER EDUCATION PROGRAM  
8139005 1 ARRANGED  
MEETS: AUG 26-OCT 18  
8139010 2 ARRANGED  
MEETS: AUG 26-OCT 18  
8139015 3 ARRANGED  
MEETS: AUG 26-OCT 18  
8139020 4 ARRANGED  
MEETS: AUG 26-OCT 18  
8139025 5 ARRANGED  
MEETS: OCT 21-DEC 20  
8139030 6 ARRANGED  
MEETS: OCT 21-DEC 20  
8139035 7 ARRANGED  
MEETS: OCT 21-DEC 20  
8139040 8 ARRANGED  
MEETS: OCT 21-DEC 20

TECH,GLOBALZ&CULTUR WLC 484 3 CREDITS  
Prereq: JUNIOR OR SENIOR CLASSIFICATION  
Note: Meets international perspectives reqmt  
6372005 1 T 6:00-7:30PM  
W 6:00-7:30PM  
MEETS: AUG 26-DEC 20

WLD LANGU MTHDS SEC WLC 487 3 CREDITS  
Prereq: 25 CREDITS IN A WORLD LANGUAGE,  
ADMISSION TO THE TEACHER EDUCATION PROGRAM, OPI  
Note: FOR STUDENTS WITH FULL OR TENTATIVE ADMISSION  
TO THE UNIVERSITY TEACHER EDUCATION PROGRAM  
Instructor permission required.  
4404005 1 R 6:10-8:50PM  
MEETS: AUG 26-DEC 20

TECH,GLOBALZ&CULTUR WLC 584 3 CREDITS  
Prereq: GRADUATE CLASSIFICATION  
Note: Meets international perspectives reqmt  
6367005 1 T 6:00-7:30PM  
W 6:00-7:30PM  
MEETS: AUG 26-DEC 20