Summer Session 2018
Session I  May 14 - July 6
Session II June 11 - August 3
University Holidays May 28

Registration Start Dates for Summer 2018
Veterinary Medicine students: Monday, March 19
Graduate students: Monday, March 19 - Wednesday, March 21
All seniors: Tuesday, March 20 - Monday, March 26
Projected juniors: Tuesday, March 27 - Monday, April 2
Projected sophomores: Tuesday, April 3 - Monday, April 9
Continuing freshmen: Tuesday, April 10 - Monday, April 16

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

Class Registration on AccessPlus
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 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 Scheduling & Fees Office, 10 Enrollment Services Center, 294-2331.

Fee Payment Deadlines
Fee payment deadlines for Summer 2018 are May 20, June 20, and July 20 for deferred billing. A $20 deferred billing charge is assessed. Contact Accounts Receivables for information.

Graduation Information
If you plan to graduate Summer 2018, you need to complete a graduation application. If graduating, go to the ISU website index under Graduation and Commencement, click on students, then choose graduation application.

Registration Start Dates
Registration start dates are assigned based on projected year-in-school classification, which is computed by combining total credits 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 students should register as early as their start date and time allows.

Room Assignments
Room assignments will be available on AccessPlus class schedule on Saturday, April 21. To find a map of room locations on campus go to the ISU index under Classroom abbreviations.

Schedule Changes
You can add/drop summer session I courses using AccessPlus Registration through Friday, May 18. You can initiate registration for summer session I courses using AccessPlus Registration through Friday, May 18. For additional schedule change deadlines 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.
May 13, Sun. • Last day to cancel registration for full-12 week summer courses to avoid tuition assessment.

May 14, Mon. • Class work begins, Session I courses.
• Fee payment deadline for summer semester. First payment (minimum due) or payment in full.

May 18, Fri. • Last day to add a Session I course without instructor's signature.
• Last day to process adds or section changes for a Session I course through AccessPlus registration.
• Last day to process most schedule changes without a fee; or to add/drop a Session I course without signatures of instructor and adviser.
• Last day to drop a Session I course without the drop appearing on the permanent record or counting toward the limit of dropped courses.
• Last day to drop a Session I course through AccessPlus registration.

June 20, Wed. • Last day to change a Session I course from Pass/Not Pass to grade.
• Last day to change a Session I course from Pass/Not Pass to grade. Courses changed to graded basis after June 1 count toward the total allowable P/NP credits used for graduation.

June 22 Fri. • Last day to elect to audit a course for Summer Session II. The instructor of the course must approve an audit.
• Last day to change a Session II course from audit to credit basis.

July 4, Wed. • Last day to add/drop a course or withdraw without extenuating circumstances (Session I courses).
• Last day to change a Session II course to or from Pass/Not Pass to grade. Courses changed to graded basis after June 16 count toward the total allowable P/NP credits used for graduation.

July 7, Fri. • Last day to elect to audit a course for a twelve-week, full summer course. The instructor of the course must approve an audit.

July 13, Fri. • University holiday—offices closed, classes recessed.

July 17, Tues. • Last day to file a Designation of Repeated Course form for a summer course that is not an automatic designated repeat.

July 20, Fri. • Last day to add/drop a course or withdraw without extenuating circumstances (Session II courses).
• Last day to change a Session II course to or from Pass/Not Pass. Courses changed to graded basis after June 16 count toward the total allowable P/NP credits used for graduation.

July 31, Tues. • Last day to process a schedule change for a Session II course without signatures of instructor and adviser.
• Last day to drop a Session II course without the drop appearing on the permanent record or counting toward the limit of dropped courses.
• Last day to drop a Session II course through AccessPlus registration.
• Last day to change a Session II course from Pass/Not Pass to grade without it counting toward the total allowable P/NP credits used for graduation.

Aug. 3, Fri. • Last day to elect to audit a course for Summer Session II. The instructor of the course must approve an audit.
• Last day to change a Session II course from audit to credit basis.

Aug. 17, Wed., 2:15 p.m. • Last day to add/drop a course or withdraw without extenuating circumstances (Session I courses).
• Last day to change a Session I course to or from Pass/Not Pass to grade. Courses changed to graded basis after June 1 count toward the total allowable P/NP credits used for graduation.

Aug. 8, Wed. • Last day to elect to audit a course for Summer Session II. The instructor of the course must approve an audit.
## Resources

**Admissions** [www.admissions.iastate.edu](http://www.admissions.iastate.edu)
General Information ............. 100 Enrollment Services Center ....................... (515)294-5836

**College Student Services Offices**

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<td>20 Curtiss</td>
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<td>Business</td>
<td>1200 Gerdin</td>
<td>294-8430</td>
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<td>Design</td>
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<td>294-6983</td>
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<td>Engineering</td>
<td>1300 Marston</td>
<td>294-7186</td>
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<td>Graduate College</td>
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<td>294-4531</td>
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<tr>
<td>Human Sciences</td>
<td>0131 MacKay</td>
<td>294-6466</td>
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<tr>
<td>Liberal Arts and Sciences</td>
<td>102 Carrie Chapman Catt Hall</td>
<td>294-1522</td>
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<tr>
<td>Veterinary Medicine</td>
<td>2540 Veterinary Medicine</td>
<td>294-0772</td>
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**Financial Aid Office** [www.financialaid.iastate.edu](http://www.financialaid.iastate.edu)
General Information ............. 0210 Beardshear ................................................. 294-2223

**ISUCard Office** [www.adp.iastate.edu/idcard/](http://www.adp.iastate.edu/idcard/)
ISUCard Office .................. 0530 Beardshear ......................................................... 294-2727

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

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<td>Graduation</td>
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<td>Residency Status for Fees &amp; Admission</td>
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<td>294-0762 or 294-0767</td>
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<tr>
<td>Scheduling Changes</td>
<td>10 Enrollment Services Center</td>
<td>294-2331</td>
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<td>Scheduling &amp; Fees</td>
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<td>Transcripts</td>
<td>214 Enrollment Services Center</td>
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<tr>
<td>Veterans Certification</td>
<td>214 Enrollment Services Center</td>
<td>294-1840</td>
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<tr>
<td>Veterans Services Center</td>
<td>3578 Memorial Union ........... 294-9801</td>
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**Registration Hold Contacts**

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

**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 Catalog, University (Courses and Programs) for specific requirements for admission located at http://catalog.iastate.edu/admissions/. Applications are available through the Iowa State University home page, by clicking 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
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.

Summer Trial Enrollment
Some students who do not meet the freshman admission requirements may be offered the opportunity to enroll during the summer session on a trial basis. This allows some students, who otherwise would be denied admission to Iowa State, an opportunity to demonstrate they are capable of successfully completing college-level courses. Students who successfully complete the summer trial enrollment will be allowed to continue their enrollment in the fall semester. For more specific information, contact the Office of Admissions.

Undergraduate students, both nondegree and degree seeking:

Non-international undergraduate students, both degree and nondegree 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 non-degree student and who now seeks to earn an undergraduate degree should complete an undergraduate application.

Reentering Students
Reentry forms are available through the ISU index under Reentering ISU or from the Office of the Registrar, Scheduling & Fees area, 10 Enrollment Services Center, at 515-294-2331, or e-mail reentry@iastate.edu. 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 the Registrar, 210 Enrollment Services Center.
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 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: intlserv@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, 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

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, may contact the Office of the Registrar, Scheduling & Fees area, 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.

Undergraduate and Nondegree Students

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 their prospective college student services office.

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, Scheduling & Fees, at 515-294-1889 or e-mail: reentry@iastate.edu to have their student record and address information updated prior to meeting with their 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, 252 Memorial Union, 515-294-1120, or e-mail: intlserv@iastate.edu.
Registration

To prepare to register for classes, you 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 your college.
- Course information from the Schedule of Classes at classes.iastate.edu/.
- Class Schedule Planner at planner.iastate.edu/.
- Other departmental information applicable to your curriculum.

To register, follow these steps:

1. Meet with your academic adviser, who will provide the following:
   a. degree audit.
   b. guidance in course selection
   c. Registration Authorization Card, with RAN, if applicable.

2. Choose specific sections for each course you want to take. In most cases, your adviser will not be involved in selecting meeting times. You can use the Schedule of Classes (http://classes.iastate.edu) and Class Schedule Planner (http://planner.iastate.edu) to plan your schedule.

3. Review your registration start date/time information and any registration hold information on AccessPlus, under Current Information. You must resolve holds on your 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 late July.

5. Remember to pay your fees. Registration is not complete until all fees are paid, including, tuition, room and board and other university charges. View your university bill on AccessPlus. Failure to view your account on AccessPlus will not exempt you from late penalties or from having a hold placed on your registration. If you have questions, call 515-294-7388.

Initiating Registration

The last day to initiate a new registration for through AccessPlus registration or the Scheduling & Fees Office in 10 Enrollment Services Center for Summer 2018 full-12 week classes is Wednesday, May 17.

Cancelling Registration

To avoid tuition assessment notify the Office of the Registrar by 4 p.m. one business day before the course begins, of intent to cancel registration, or drop all classes on AccessPlus by 11 p.m the night before the course begins. 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 currently do not require a RAN are Business, Veterinary Medicine, and the Graduate College. Since students will be held accountable for all changes made to the schedule through AccessPlus, do not share this number. Students will be assigned a new RAN 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 your schedule for time conflicts.
- If you 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 your schedule.
- Entering the Registration Access Number (RAN) is no longer required once courses exist on your schedule. If you are already registered, you won't need to enter the RAN again to change your schedule.
- If you 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 you are in a learning community, you must add the learning community reference number first before other courses exist on your schedule. You cannot drop a LTM 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 you to plan your schedule using courses displayed in the Schedule of Classes at www.iastate.edu.

Students can select courses and/or sections for a particular term, as well as block out unavailable class days and times. Based on those 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). Therefore, it is essential that students understand that this is a planner and, as such, it does not register students in courses and cannot be used to complete your registration. The application requires that students 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. Always remember to 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 dean of the student's college.

Period 3 begins 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. 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 students Grade Report on AccessPlus indicates the number of drops you have left. Students are responsible for not exceeding your limit. If they attempt to drop a course beyond the limit without special permission from their college dean, the course will remain on their schedule and they will receive a grade at the end of the semester.

Validating Enrollment
To validate their enrollment in each course at the beginning of the semester, students must attend the first or second meeting (first meeting if the class meets only once a week). Students who add a course after the term begins must attend the next class meeting. The instructor has the option to offer a registered place in the course to another student when a registered student fails to attend and has not obtained prior approval of the instructor. Students who do not validate their enrollment must drop the course or they will receive an F grade.
Summer 2018 Fee Schedule

Tuition & fees are subject to change without notice. For the most current tuition & fee rates visit www.registrar.iastate.edu/fees/

- 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 2 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.
- Zero credit course is assessed based on contact hours with a maximum assessment of 3 credits.

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.
**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 summer semester are due May 20. Payments for spring semester are due January 20. Payments for fall semester are due August 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.

**Cancelling Registration**

A cancellation is processed when a student notifies the Office of the Registrar, prior to the day class work begins, of their decision not to attend classes for the current semester. 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 4:00p.m. the last business day before the course begins; or drop all of your classes through AccessPlus by 10 p.m., the day before it begins.

You may cancel your registration by contacting the Office of the Registrar at 515-294-1840 or go to the ISU index from www.iastate.edu under Cancelling Registration. You 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 meeting day of class, 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 as 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 Withdraw/Cancel procedure at http://www.registrar.iastate.edu/students.
Tuition Adjustment Schedule
This tuition adjustment schedule is subject to change.

Tuition adjustments for withdrawals of registration are based upon the following table for Summer 2018:

### Withdrawal Date: Student Pays

<table>
<thead>
<tr>
<th>Full Summer term</th>
<th>May 17</th>
<th>May 23</th>
<th>May 29</th>
<th>June 4</th>
<th>After June 4</th>
</tr>
</thead>
<tbody>
<tr>
<td>10%</td>
<td>25%</td>
<td>50%</td>
<td>75%</td>
<td>100%</td>
<td></td>
</tr>
</tbody>
</table>

### Summer Session I

<table>
<thead>
<tr>
<th>May 16</th>
<th>May 18</th>
<th>May 23</th>
<th>May 25</th>
<th>After May 25</th>
</tr>
</thead>
<tbody>
<tr>
<td>10%</td>
<td>25%</td>
<td>50%</td>
<td>75%</td>
<td>100%</td>
</tr>
</tbody>
</table>

### Summer Session II

<table>
<thead>
<tr>
<th>June 13</th>
<th>June 15</th>
<th>June 20</th>
<th>June 22</th>
<th>After June 22</th>
</tr>
</thead>
<tbody>
<tr>
<td>10%</td>
<td>25%</td>
<td>50%</td>
<td>75%</td>
<td>100%</td>
</tr>
</tbody>
</table>

The Tuition Adjustment Schedule will be pro-rated when courses shorter than a standard semester (79 days) are involved. See the Tuition Adjustment Schedule on the web for the most common session deadlines. Contact the Scheduling and 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 term. 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 and Fees area of the Office of the Registrar for deadline related to specific courses.

### Tuition Adjustment 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.

### Past Due Accounts

Students having past due receivable charges may be dropped from enrollment for fall if these past due charges are not paid by the Friday before the first day of classes. A statement indicating past due charges will be shown on the June 1 billing statement. Students enrolled less than full-time are assessed prorated technology fees based upon the number of credits in which they are enrolled. Students enrolled exclusively under the Postsecondary Enrollment Options Act; or students enrolled exclusively in courses for which no tuition is assessed are not assessed a computer fee. Technology fee adjustments will be made according to the schedule for a reduction in credits. Refunds for credit reductions below a full time load are 100 percent through the second week for a full semester course, with no refunds after the second week. The tuition adjustment schedule also applies to technology fees for students who withdraw. Students who change their major will be charged the applicable technology fee for the major into which they transfer if the change occurs before the end of the second week. If the change occurs after the second week, then no change in the technology fee assessment will occur. Students who are double majors will be assessed the technology fee rate for the major having the higher rate.

### Health Facility Fee

All students are assessed a $4 health facility fee for Summer 2018, 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.

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 Postsecondary 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 health facility fee.
Health Fee (Mandatory)
All students are assessed an $49 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 (Chapter 261C).

Students who withdraw or change to an exempt status (as defined above) will receive a credit adjustment of 100% through the set date 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 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 $49 Health Fee and $4 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 $49 Health Fee and $4 Health Facility Fee.

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

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.

Admissions Acceptance Fee
A nonrefundable application fee must accompany the application for admission. The application fee is $40 for domestic undergraduate, and $60 for domestic graduate applicants, $50 for international undergraduate applicants, and $100 for international graduate applicants.

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.

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.
Graduation

Iowa State University confers degrees three times a year in December, May and at the end of the Summer Session.

ISU does not hold a summer commencement ceremony. Summer graduates have the option for attending either the spring or fall university commencement ceremony.

Undergraduate Students

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 applications are due in 210 Enrollment Services Center by Friday, March 9. Students will be assessed a $75 nonrefundable graduation fee the tenth day of classes. (This fee is subject to change.)

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.

To update your address, please go to AccessPlus.

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 Registrar's Graduation Office, 210 Enrollment Services Center, (515)294-9372 or e-mail: 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 students’ name from the graduation list for Summer 2018.

- An “Application for Graduation” (diploma slip) should be obtained from the students department and filed in the Graduate College by Friday, June 1.

- Last day for graduate students to cancel graduation, by June 22. 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 Friday, July 13.


- Signatures must be obtained on the “Graduate Student Approval Slip” by Tuesday July 17. 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.

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 you are considering changing their major, you may request an alternative degree audit for the major in which you have an interest. Contact the college student services office (of the major that you are interested in) to request the audit.

To request a replacement degree audit, contact the student's college student services office.

Full-Time/Half-Time Student Status
Full-time status is defined as follows:
Undergraduates: 12 credits for fall or spring semester;
Graduates: 9 credits for fall or spring semester.

Half-time status is defined as follows:
Undergraduates: 6 credits for fall or spring semester;
Graduates: 5 credits for fall or spring semester.

Summer status depends on the number of weeks a student is enrolled. Contact the Office of the Registrar, 515-294-1840 to verify status for a summer session. For more detail, please refer to the ISU index on the web under Certifications.

Transcripts
An official transcript may be ordered through AccessPlus; the Office of the Registrar, 214 Enrollment Services Center, 515-294-1840; 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:

<table>
<thead>
<tr>
<th>Grade</th>
<th>Quality Points</th>
<th>Grade</th>
<th>Quality Points</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>4.00</td>
<td>C</td>
<td>2.00</td>
</tr>
<tr>
<td>A-</td>
<td>3.67</td>
<td>C-</td>
<td>1.67</td>
</tr>
<tr>
<td>B+</td>
<td>3.33</td>
<td>D+</td>
<td>1.33</td>
</tr>
<tr>
<td>B</td>
<td>3.00</td>
<td>D</td>
<td>1.00</td>
</tr>
<tr>
<td>B-</td>
<td>2.67</td>
<td>D-</td>
<td>0.67</td>
</tr>
<tr>
<td>C+</td>
<td>2.33</td>
<td>F</td>
<td>0.00</td>
</tr>
</tbody>
</table>

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 catalog at catalog.iastate.edu.

Repeated Courses
If you repeat a course, 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 in which the course number or number of credits has changed must be noted on a Designation of Repeated Course form. This form can be obtained from departmental offices and must be signed by the students advisor 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 catalog at catalog.iastate.edu.
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:

<table>
<thead>
<tr>
<th>Credits</th>
<th>Undergraduate</th>
<th>Graduate</th>
</tr>
</thead>
<tbody>
<tr>
<td>12 cr.</td>
<td>Full allowance</td>
<td>9 cr.</td>
</tr>
<tr>
<td>9-11.5 cr.</td>
<td>3/4 allowance</td>
<td>7-8.5 cr.</td>
</tr>
<tr>
<td>6-8.5 cr.</td>
<td>1/2 allowance</td>
<td>5-6.5 cr.</td>
</tr>
<tr>
<td>1-5.5 cr.</td>
<td>Proration of fee over period enrolled</td>
<td>1-4.5 cr.</td>
</tr>
</tbody>
</table>

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 policy 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, 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.

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
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: 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 System Office in 27 Armory. For more information go to the ISU index under Parking Division, DPS.

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 the support services that students 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, counseling, education, referral, and awareness to students, faculty, staff, the Ames community, and the state of Iowa. For more information, call 515-294-7220, TTY 515-294-6635, e-mail: disabilityresources@iastate.edu, or online go 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 the 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).

For services such as the Lied Recreation Center, CyCash, or Parks Library, students may apply for the Spouse/Domestic Partner card. Both the student and spouse/domestic partner must bring a photo ID and proof of marriage or relationship (marriage certificate, joint insurance cards or joint tax returns) to 0530 Beardshear. The cost is $15 per card and the cards expire every year on June 30.
# Course Information

## Course Listing Information
The first line for each course includes the course title as it will appear on 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 this 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.

<table>
<thead>
<tr>
<th>Course Title</th>
<th>Department</th>
<th>Course Number</th>
<th>Number of Credits</th>
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</thead>
<tbody>
<tr>
<td>LEGAL ENVIRONMT BUS PREREQ: SOPH CLASSIFICATION</td>
<td>ACCT</td>
<td>215</td>
<td>3 CR.</td>
</tr>
<tr>
<td>COURSE RESTRICTED TO SOPH AND ABOVE</td>
<td></td>
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<td>(prerequisites, restrictions, etc)</td>
</tr>
</tbody>
</table>

<table>
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<tr>
<th>Reference Number</th>
<th>Days of the week a Course meets:</th>
<th>Course meeting time</th>
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<tbody>
<tr>
<td>5277005</td>
<td>A MWF 9:00-9:50</td>
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<tr>
<td>5277010</td>
<td>B MWF 11:00-11:50</td>
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</tbody>
</table>
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 must approve 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. 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
In addition to the deadlines provided below, note that instructors must approve all audits.

- 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 Student Scheduling 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 Student Scheduling 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 Student Scheduling Office, 10 Enrollment Services Center.

Course Descriptions
Course descriptions can be found at catalog.iastate.edu.

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.
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 at 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 Centerl. Check the university calendar for deadlines pertaining to Pass-Not Pass changes. For more information, refer to http://catalog.iastate.edu/ under Academic Life

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 Stdent Info 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 Centerl.

Room Assignments
Beginning Saturday April 22, 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 students 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 themself 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.
## Summer Sessions Registration Trial Schedule Form (Time Grid)

<table>
<thead>
<tr>
<th>Days</th>
<th>7:30 a.m.</th>
<th>8:40 a.m.</th>
<th>9:50 a.m.</th>
<th>11:00 a.m.</th>
<th>12:10 p.m.</th>
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Registration Worksheet

Name (please print):

(Last) (First) (Middle) (Term)

Please provide your university ID

If they have problems 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 classes.iastate.edu for the list of classes offered for the term. Use the spaces provided below to plan the courses they want on their schedule.

B. Meet with your adviser to discuss their courses and to obtain their Registration Access Number (RAN), if required by your college.

C. Register via AccessPlus at 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 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, students must obtain written permission from their advisers, the instructors for the courses they plan to take, as well as approval from the dean of the college in which they are registered. During the summer session, these approvals must be obtained in order to register after the third day of classes.

Courses—Be prepared with alternative course selections in case their first choice courses are closed.

<table>
<thead>
<tr>
<th>Reference #</th>
<th>Department</th>
<th>Course</th>
<th>Section</th>
<th>Credit</th>
<th>Meeting Day(s) and Time</th>
<th>Notes (OK, full, etc.)</th>
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Alternative courses

<table>
<thead>
<tr>
<th>Reference #</th>
<th>Department</th>
<th>Course</th>
<th>Section</th>
<th>Credit</th>
<th>Meeting Day(s) and Time</th>
<th>Notes (OK, full, etc.)</th>
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Notes

Adviser Signature: ____________________________ Date Approved: ____________________________
ACCOUNTING

LEGAL ENVIRONMT BUS ACCT 215 3 CREDITS
Prereq: SOFR CLASSIFICATION
Note: COURSE RESTRICTED TO SOPHOMORES AND ABOVE
5277005 A MTWRF 2:30-4:30 MEETS: MAY 14-JUNE 8

FINANCIAL ACCOUNTING ACCT 284 3 CREDITS
Prereq: COURSE NOT OPEN TO FIRST TERM FRESHMEN
11L0005 A MTWRF 12:10-2:10 MEETS: MAY 14-JUNE 8
Note: Section XW is off campus
11L0600 XW ARRANGED CLEM A
MEETS: JUNE 11-AUG 3
Note: Section XW is off campus

THE ACCOUNTING CYCLE ACCT 301 1 CREDIT
Prereq: ACCT 284
Note: COURSE RESTRICTED TO ACCT, BUS S, BUS D, BUS SEC, ENTSP, FIN, MGMT, MIS, MGT, P BUS, SCH UNDERGRAD MAJORS. GRAD STUDENTS GO TO 1200 GERDIN FOR PERMISSION TO ADD. THIS COURSE CARRIES AN ADDITIONAL COST OF APPROXIMATELY $50 TO ACCESS THE REQUIRED COMPUTER SOFTWARE PROGRAM.
1078005 W ARRANGED MEETS: MAY 14-JULY 6
Note: Course delivery is WWW

MANAGERIAL ACCTG ACCT 285 3 CREDITS
Prereq: ACCT 284
Note: COURSE NOT OPEN TO GRADUATE STUDENTS
11L2600 XW ARRANGED SANDER K
MEETS: JUNE 11-AUG 3
Note: Section XW is off campus

INDEPENDENT STUDY ACCT 490 1-3 CREDITS
Prereq: ACCT 285, SENIOR CLASSIFICATION, PERMISSION OF INSTRUCTOR
Note: Department permission required.

INTRO TO AUDITING ACCT 497 3 CREDITS
Prereq: ACCT 384, ACCT 397 AND STAT 326
Note: COURSE RESTRICTED TO ACCT UNDERGRAD MAJORS. GRADUATE STUDENTS GO TO 1200 GERDIN FOR PERMISSION TO ADD.
11L2600 A MTWRF 9:50-11:50 MEETS: MAY 14-JUNE 8
Note: Section XW is off campus

SPECIAL TOPICS ACCT 590 1-3 CREDITS
Prereq: PERMISSION OF INSTRUCTOR
Note: RESTRICTED TO BUSINESS COLLEGE GRADUATE STUDENTS

CREATIVE COMPONENT ACCT 599 2 CREDITS
Prereq: ADMISSION TO THE MASTER OF ACCT PROGRAM

ADVERTISING

STRATEG PLAN AD&P R ADVRT 301 3 CREDITS
Prereq: AD&R 210 OR P R 220
4439600 XW ARRANGED WIGTON M
MEETS: MAY 14-JULY 6
Note: Section XW is off campus
Course delivery is WWW

PRO MDIA INTERN:REQ ADVRT 499A 3 CREDITS
Prereq: FORMAL FACULTY ADVISER APPROVAL; JR CLASS
Note: COURSE RESTRICTED TO ADVRT MAJORS: C+ OR BETTER IN JC MS 201 OR ADVRT 301 OR PL MAJORS: C+ OR BETTER IN P R 321. 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.

ADVERTISING (CONTINUED)

PRO MDIA INTERN:OPT ADVRT 499B 1-3 CREDITS
Prereq: FORMAL FACULTY ADVISER APPROVAL; JR CLASS
Note: COURSE NOT OPEN TO FIRST TERM FRESHMEN

INDEPENDENT STUDY ACRT E 290C 1-6 CREDITS
Prereq: PERMISSION OF DEPARTMENT AND ENGINEERING CAREER SERVICES
Note: COURSE ONLY OFFERED FOR 2 CREDITS SUMMER 2018

AEROSPACE ENGINEERING

INDEPENDENT STUDY AER E 290C 1-6 CREDITS
Prereq: PERMISSION OF DEPARTMENT AND ENGINEERING CAREER SERVICES

INDEPENDENT STUDY AER E 290D 1-6 CREDITS
Prereq: PERMISSION OF DEPARTMENT AND ENGINEERING CAREER SERVICES

INDEPENDENT STUDY AER E 290E 1-6 CREDITS
Prereq: PERMISSION OF DEPARTMENT AND ENGINEERING CAREER SERVICES

INDEPENDENT STUDY AER E 290F 1-6 CREDITS
Prereq: PERMISSION OF DEPARTMENT AND ENGINEERING CAREER SERVICES

INDEPENDENT STUDY AER E 290G 1-6 CREDITS
Prereq: PERMISSION OF DEPARTMENT AND ENGINEERING CAREER SERVICES

INDEPENDENT STUDY AER E 290H 1-6 CREDITS
Prereq: PERMISSION OF DEPARTMENT AND ENGINEERING CAREER SERVICES

INDEPENDENT STUDY AER E 290I 1-6 CREDITS
Prereq: PERMISSION OF DEPARTMENT AND ENGINEERING CAREER SERVICES

INDEPENDENT STUDY AER E 290J 1-6 CREDITS
Prereq: PERMISSION OF DEPARTMENT AND ENGINEERING CAREER SERVICES

INDEPENDENT STUDY AER E 290K 1-6 CREDITS
Prereq: PERMISSION OF DEPARTMENT AND ENGINEERING CAREER SERVICES

INDEPENDENT STUDY AER E 290L 1-6 CREDITS
Prereq: PERMISSION OF DEPARTMENT AND ENGINEERING CAREER SERVICES

INDEPENDENT STUDY AER E 290M 1-6 CREDITS
Prereq: PERMISSION OF DEPARTMENT AND ENGINEERING CAREER SERVICES

INDEPENDENT STUDY AER E 290N 1-6 CREDITS
Prereq: PERMISSION OF DEPARTMENT AND ENGINEERING CAREER SERVICES

INDEPENDENT STUDY AER E 290O 1-6 CREDITS
Prereq: PERMISSION OF DEPARTMENT AND ENGINEERING CAREER SERVICES

INDEPENDENT STUDY AER E 290P 1-6 CREDITS
Prereq: PERMISSION OF DEPARTMENT AND ENGINEERING CAREER SERVICES

INDEPENDENT STUDY AER E 290Q 1-6 CREDITS
Prereq: PERMISSION OF DEPARTMENT AND ENGINEERING CAREER SERVICES

INDEPENDENT STUDY AER E 290R 1-6 CREDITS
Prereq: PERMISSION OF DEPARTMENT AND ENGINEERING CAREER SERVICES

INDEPENDENT STUDY AER E 290S 1-6 CREDITS
Prereq: PERMISSION OF DEPARTMENT AND ENGINEERING CAREER SERVICES

INDEPENDENT STUDY AER E 290T 1-6 CREDITS
Prereq: PERMISSION OF DEPARTMENT AND ENGINEERING CAREER SERVICES

INDEPENDENT STUDY AER E 290U 1-6 CREDITS
Prereq: PERMISSION OF DEPARTMENT AND ENGINEERING CAREER SERVICES

INDEPENDENT STUDY AER E 290V 1-6 CREDITS
Prereq: PERMISSION OF DEPARTMENT AND ENGINEERING CAREER SERVICES

INDEPENDENT STUDY AER E 290W 1-6 CREDITS
Prereq: PERMISSION OF DEPARTMENT AND ENGINEERING CAREER SERVICES

INDEPENDENT STUDY AER E 290X 1-6 CREDITS
Prereq: PERMISSION OF DEPARTMENT AND ENGINEERING CAREER SERVICES

INDEPENDENT STUDY AER E 290Y 1-6 CREDITS
Prereq: PERMISSION OF DEPARTMENT AND ENGINEERING CAREER SERVICES

INDEPENDENT STUDY AER E 290Z 1-6 CREDITS
Prereq: PERMISSION OF DEPARTMENT AND ENGINEERING CAREER SERVICES

INDEPENDENT STUDY AER E 290AA 1-6 CREDITS
Prereq: PERMISSION OF DEPARTMENT AND ENGINEERING CAREER SERVICES

INDEPENDENT STUDY AER E 290AB 1-6 CREDITS
Prereq: PERMISSION OF DEPARTMENT AND ENGINEERING CAREER SERVICES

INDEPENDENT STUDY AER E 290AC 1-6 CREDITS
Prereq: PERMISSION OF DEPARTMENT AND ENGINEERING CAREER SERVICES

INDEPENDENT STUDY AER E 290AD 1-6 CREDITS
Prereq: PERMISSION OF DEPARTMENT AND ENGINEERING CAREER SERVICES
AEROSPACE ENGINEERING (CONTINUED)

SPL TOP AEROS STRUC AER E 590C 1-5 CREDITS
SPL TOP FLIGHT DYN AER E 590D 1-5 CREDITS
SPL TOP SPACECR SYS AER E 590E 1-5 CREDITS
SPL TOP FLIGHT CONT AER E 590F 1-5 CREDITS
SPL TOP VISCOUS AER AER E 590H 1-5 CREDITS
SPEC TOPICS DESIGN AER E 590I 1-5 CREDITS
SPL TOP COMP AERODY AER E 590K 1-5 CREDITS
SPL TOP NONDESTR EV AER E 590M 1-5 CREDITS
SPL TOP WIND ENGR AER E 590N 1-5 CREDITS
CREATIVE COMPONENT AER E 599 1-5 CREDITS
ADV TOP AER DYNAMCS AER E 690A 1-5 CREDITS
ADV TOPC PROPULSION AER E 690B 1-5 CREDITS
ADV TOP AEROS STRUC AER E 690C 1-5 CREDITS
ADV TOP FLIGHT DYN AER E 690D 1-5 CREDITS
ADV TOP SPACECR SYS AER E 690E 1-5 CREDITS
ADV TOP FLIGHT CTRL AER E 690F 1-5 CREDITS
ADV TOP VISCOUS AER AER E 690H 1-5 CREDITS
ADV TOP COMP AERODY AER E 690K 1-5 CREDITS
ADV TOP NONDESTR EV AER E 690L 1-5 CREDITS
ADV TOP WIND ENGR AER E 690M 1-5 CREDITS
ENGINEERG INTERNSHP AER E 697 R CREDIT
Prereq: PERMISSION OF DOGE, GRADUATE CLASSIFICATION
Satisfactory-Fail Only.
8332005 ARRANGED
MEETS: MAY 14-AUG 3

RESEARCH AER E 699 VAR. CREDITS
Satisfactory-Fail Only.

AFRICAN AND AFRICAN AMERICAN STUDIES

INTRO AFRIC AMER ST AF AM 201 3 CREDITS
Prereq: Meets U.S. diversity reqmt
Note: Meets U.S. diversity reqmt
8310605 XU ARRANGED
MEETS: MAY 14-JUNE 8
Note: Section XU is off campus
Course delivery is WWW
8310610 XV ARRANGED
MEETS: MAY 14-JUNE 8
Note: Section XV is off campus
Course delivery is WWW
8310600 XW ARRANGED
MEETS: JUNE 11-JULY 6
Note: Section XW is off campus
Course delivery is WWW

AFRICAN AND AFRICAN AMERICAN STUDIES (CONTINUED)

SPL TOP AG AB IO ENG AER E 590 1-5 CREDITS
Satisfactory-Fail Only.
8333005 ARRANGED
MEETS: MAY 14-AUG 3

Masters Tech Comm AER E 598 1 CREDIT
Satisfactory-Fail Only.
8332005 ARRANGED
MEETS: MAY 14-AUG 3

Creative Component AER E 599 VAR. CREDITS
1044005 ARRANGED
MEETS: MAY 14-AUG 3

Advanced Topics AER E 699 VAR. CREDITS
Satisfactory-Fail Only.
1700005 ARRANGED
MEETS: MAY 14-AUG 3

Study Abroad AER E 698 1-3 CREDIT
Satisfactory-Fail Only.
8330005 ARRANGED
MEETS: MAY 14-AUG 3
Agricultural Education & Studies

Field Exp H.S. Agri Ageds 211A 1 Credit
Prereq: Ageds 110
7586005  Arranged
MEETS: May 14-Aug 3

Field Exp Ag Indust Ageds 211C 1 Credit
Prereq: Ageds 110
7603005  Arranged
MEETS: May 14-Aug 3

Ag Mech Anplicants Ageds 388 3 Credits
6067005  1 MWF 8:00-11:50
MEETS: May 14-July 6
Note: Materials and equipment use fee $250.00

Internship in Ags Ageds 412 2-6 Credits
Prereq: Jk Classif in Ageds, Instr Permission
Note: Professional support fee $50.00
***** SEE DEPT FOR REFERENCE NUMBERS

Farm Mgmt & Operation Ageds 450 3 Credits
Prereq: Econ 235, Econ 236, Junior Classification
1386005  1 MWF 12:10-4:00
MEETS: May 14-July 6

1389005  ARRANGED

Internship in Ag Ed Ageds 412 2-6 Credits
Prereq: Jr/Sr Classification, Instr Permission
Note: Satisfactory-Fail Only.
***** SEE DEPT FOR REFERENCE NUMBERS

Independent Study Honors Ageds 490H 1-3 Credits
Prereq: Jr/Sr Classification, Instr Permission
Note: Course Restricted to Honor Program Students Only. No More Than 6 Credits of 490 May Be Applied Toward the Total of 128 Credits Required for Graduation.
***** SEE DEPT FOR REFERENCE NUMBERS

Independent Study Hons Ageds 490H 1-3 Credits
Prereq: Jr/Sr Classification, Instr Permission
Note: Course Restricted to Honor Program Students Only. No More Than 6 Credits of 490 May Be Applied Toward the Total of 128 Credits Required for Graduation.
***** SEE DEPT FOR REFERENCE NUMBERS

Intro Weathers limit Agron 206 3 Credits
13976005 XW Arranged
MEETS: May 14-July 6
Note: Section XW is off campus
Course delivery is WW

Prof Devel: Work Exp Agron 310 1 Credit
1389005  Arranged
MEETS: May 14-Aug 3

Cooperative Educ Agra 398 1 Credit
Prereq: Permission of Department Cooperative Education Coordinator, Junior Classification
1411005  Arranged
MEETS: May 14-Aug 3

Creative Component Ageds 599 Var. Credits
***** SEE DEPT FOR REFERENCE NUMBERS

Research Ageds 699 Var. Credits
***** SEE DEPT FOR REFERENCE NUMBERS

Agricultural Education & Studies (Continued)

Special Top Curriculum Ageds 590A 1-3 Credits
***** SEE DEPT FOR REFERENCE NUMBERS

Special Top Philosophy Ageds 590C 1-3 Credits
***** SEE DEPT FOR REFERENCE NUMBERS

Special Top Evaluation Ageds 590D 1-3 Credits
***** SEE DEPT FOR REFERENCE NUMBERS

Special Topics Admin Ageds 590E 1-3 Credits
***** SEE DEPT FOR REFERENCE NUMBERS

Special Top Leadership Aageds 590F 1-3 Credits
***** SEE DEPT FOR REFERENCE NUMBERS

Special Top Extension Aageds 590J 1-3 Credits
***** SEE DEPT FOR REFERENCE NUMBERS

Special Top Ledership Ageds 590F 1-3 Credits
***** SEE DEPT FOR REFERENCE NUMBERS

Special Top Inst Technl Ageds 590I 1-3 Credits
***** SEE DEPT FOR REFERENCE NUMBERS

Special Top Insr Technl Ageds 590I 1-3 Credits
***** SEE DEPT FOR REFERENCE NUMBERS

Special Top Adminst Ageds 590E 1-3 Credits
***** SEE DEPT FOR REFERENCE NUMBERS

Special Top Phlosophy Ageds 590C 1-3 Credits
***** SEE DEPT FOR REFERENCE NUMBERS

Special Top Methods Ageds 590B 1-3 Credits
***** SEE DEPT FOR REFERENCE NUMBERS

Creative Component Ageds 599 Var. Credits
***** SEE DEPT FOR REFERENCE NUMBERS

Research Ageds 699 Var. Credits
***** SEE DEPT FOR REFERENCE NUMBERS

Agronomy

Intro Weathers Limit Agron 206 3 Credits
13976005 XW Arranged
MEETS: May 14-July 6
Note: Section XW is off campus
Course delivery is WW

Special Top Methods Aageds 590B 1-3 Credits
***** SEE DEPT FOR REFERENCE NUMBERS

Special Top Philosophy Aageds 590C 1-3 Credits
***** SEE DEPT FOR REFERENCE NUMBERS

Special Top Evaluation Aageds 590D 1-3 Credits
***** SEE DEPT FOR REFERENCE NUMBERS

Special Topics Admin Aageds 590E 1-3 Credits
***** SEE DEPT FOR REFERENCE NUMBERS

Special Top Leadership Aageds 590F 1-3 Credits
***** SEE DEPT FOR REFERENCE NUMBERS

Special Top Extension Aageds 590J 1-3 Credits
***** SEE DEPT FOR REFERENCE NUMBERS

Special Top Program Plan Aageds 590L 1-3 Credits
***** SEE DEPT FOR REFERENCE NUMBERS

Methods Workshop Aageds 593B 1-3 Credits
1318005  1 ARRANGED
MEETS: May 14-Aug 3
Note: Materials fee $25.00
Tuition Category: Workshop
1318010  2 ARRANGED
MEETS: June 11-Aug 3
Note: Section 2 Offered for 3 Credits
Materials fee $25.00

Intro Weathers Limit Agron 206 3 Credits
13976005 XW Arranged
MEETS: May 14-July 6
Note: Section XW is off campus
Course delivery is WW

Special Top Methods Aageds 590B 1-3 Credits
***** SEE DEPT FOR REFERENCE NUMBERS

Creative Component Ageds 599 Var. Credits
***** SEE DEPT FOR REFERENCE NUMBERS

Research Ageds 699 Var. Credits
***** SEE DEPT FOR REFERENCE NUMBERS
AGRONOMY (CONTINUED)

INDEPENDENT STUDY AGRON 490G 1-3 CREDITS
Prereq: JW SR CLASSIFY WTH AT LEAST 8 CR IN AGRON
Note: No more than 4 credits of AGRON 490G may be
applied toward the total of 12 credits required for
graduation.
******** SEE DEPT FOR REFERENCE NUMBERS

INDEPENDENT STUDY HONORS AGRON 490H 1-3 CREDITS
Prereq: JW SR CLASSIFY WTH AT LEAST 8 CR IN AGRON
Note: Restricted to honors program students only.
No more than 4 credits of AGRON 490H may be applied
involving pursue in a special area after consultation
with the instructor. See dept for reference numbers.

AG INT’L TRAVL TOUR AGRON 496A VAR. CREDITS
Prereq: PERMISSION OF INSTRUCTOR
Note: Meets international perspectives reqmt.
9433800 CR ARRANGED
WESTGATE M
Note: Sec cr taught in costa rica. san jose,
cartago, parrita, rio frio & arsenal.
topic: Enhancing students global experience;
agriculture in costa rica. study abroad
summer 2018. offered for 2 credits. travel:
may 14-25
Study abroad Administrative Fee Applies

AGROECOLOGY FLD CRS AGRON 497 3 CREDITS
Prereq: JW SR CLASSIFYCTN, 3 CR IN AGRONOMY
ARRANGED
MEETS: MAY 14-AUG 3
Note: Field trips & travel fee $250.00

COORDERATIVE EDUCATN AGRON 498 R CREDIT
Prereq: PERMISSION OF DEPARTMENT COORDINATOR
SENIOR CLASSIFICATION
1416005 ARRANGED
MEETS: MAY 14-AUG 3

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

CR COMP AG METEOROL AGRON 599A VAR. CREDITS
Prereq: NONTHESIS M.S. OPTION ONLY
1472005 ARRANGED
MEETS: MAY 14-AUG 3

CR COMP CROP PRD&PHY AGRON 599B VAR. CREDITS
Prereq: NONTHESIS M.S. OPTION ONLY
1473005 ARRANGED
MEETS: MAY 14-AUG 3

CR COMP PLNT BREEDG AGRON 599C VAR. CREDITS
Prereq: NONTHESIS M.S. OPTION ONLY
1474005 ARRANGED
MEETS: MAY 14-AUG 3

CRTC POMP SOIL CHEM AGRON 599D VAR. CREDITS
Prereq: NONTHESIS M.S. OPTION ONLY
1475005 ARRANGED
MEETS: MAY 14-AUG 3

CR COMP SOIL FERTIL AGRON 599E VAR. CREDITS
Prereq: NONTHESIS M.S. OPTION ONLY
1476005 ARRANGED
MEETS: MAY 14-AUG 3

CRTC POMP SOIL MGMT AGRON 599F VAR. CREDITS
Prereq: NONTHESIS M.S. OPTION ONLY
1477005 ARRANGED
MEETS: MAY 14-AUG 3

CR COMP SOIL MGMT AGRON 599G VAR. CREDITS
Prereq: NONTHESIS M.S. OPTION ONLY
1478005 ARRANGED
MEETS: MAY 14-AUG 3

CR COMP SOIL MICOB AGRON 599H VAR. CREDITS
Prereq: NONTHESIS M.S. OPTION ONLY
1479005 ARRANGED
MEETS: MAY 14-AUG 3

CR COMP SOIL MORPHO AGRON 599I VAR. CREDITS
Prereq: NONTHESIS M.S. OPTION ONLY
1480005 ARRANGED
MEETS: MAY 14-AUG 3

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

AGRONOMY (CONTINUED)

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

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

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

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

RESEARCH SOIL FERTIL AGRON 699E VAR. CREDITS
******** SEE DEPT FOR REFERENCE NUMBERS

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

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

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

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

RESEARCH PLANT PHYSIOLOGY AGRON 699J VAR. CREDITS
******** SEE DEPT FOR REFERENCE NUMBERS

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

AMERICAN INDIAN STUDIES

INTR AM INDIAN STDI AM IN 210 3 CREDITS
Note: Meets U.S. diversity reqmt.
1506005 1 MTWRF 11:00-12:40
MEETS: JUNE 11-JULY 20

INDEPENDENT STUDY AM IN 490 VAR. CREDITS
Prereq: 6 CR IN AM IN STUDIES. PERMISSION
OF INSTRUCTOR AND PROGRAM DIRECTOR
Note: Course only offered for 1-5 credits summer 2018.
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 MTWRF 8:40-11:40
MEETS: MAY 14-JUNE 8
Note: Materials and equipment use fee $25.00

AMER SIGN LANGUAG II ASL 102 4 CREDITS
Prereq: ASL 101 OR ASL 105
Note: Meets U.S. diversity reqmt.
9367005 1 MTWRF 8:40-11:40
MEETS: JUNE 11-JULY 6
Note: Materials and equipment use fee $25.00

INDEPENDENT STUDY ASL 490 1-6 CREDITS
Prereq: 6 CREDITS IN ASL. PERMISSION
OF DEPARTMENT CHAIR
Note: No more than 6 credits in ASL 490 may be
applied toward graduation.
******** SEE DEPT FOR REFERENCE NUMBERS

ANIMAL ECOLOGY

ECOLOGY A ECL 312 4 CREDITS
Prereq: BIOL 211L AND BIOL 212L
1061005 A MTWRF 9:50-11:10
MEETS: MAY 14-JULY 6
Note: Materials, field trips & travel fee $60.00

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

TEACHING PRACTICUM AN S 698  1- 3 CREDITS
Prereq: GRADUATE CLASSIFICATION IN ANIMAL SCIENCE
and permission of instructor
Satisfactory-Fail Only.
****** SEE DEPT FOR REFERENCE NUMBERS

RESEARCH AN S 699 VAR. CREDITS
****** SEE DEPT FOR REFERENCE NUMBERS

ANIMAL SCIENCE

FN D EQUINE TRN YRLG AN S 317B  3 CREDITS
Prereq: Status in Equine Science Program
Note: No more than 4 credits of AN S 317B may be
applied toward graduation
9194005 ARRANGED
MEETS: JULY 9-AUG 3
Note: Materials and equipment use fee $350.00

ANIM SCI INTERNSHIP AN S 399A  2- 6 CREDITS
Prereq: PERMISSION OF THE INSTRUCTOR
1538005 ARRANGED
MEETS: MAY 14-AUG 3

SUPERV’D INTERNSHIP AN S 399B  R CREDIT
Prereq: PERMISSION OF INTERNSHIP COORDINATOR
2258005 ARRANGED
MEETS: MAY 14-AUG 3

IND STDY ANIMAL SCI AN S 490A  1- 3 CREDITS
Prereq: PERMISSION OF THE INSTRUCTOR
Note: No more than 6 credits of AN S 490A may be
applied toward the total credits required for
graduation
****** SEE DEPT FOR REFERENCE NUMBERS

IND STUDY DAIRY SCI AN S 490B  1- 3 CREDITS
Prereq: PERMISSION OF THE INSTRUCTOR
Note: No more than 6 credits of AN S 490B may be
applied toward the total credits required for
graduation
****** SEE DEPT FOR REFERENCE NUMBERS

IND EP STUDY MEAT SCI AN S 490C  1- 3 CREDITS
Prereq: PERMISSION OF THE INSTRUCTOR
Note: No more than 6 credits of AN S 490C may be
applied toward the total credits required for
graduation
****** SEE DEPT FOR REFERENCE NUMBERS

IND STDY Poultry SCI AN S 490D  1- 3 CREDITS
Prereq: PERMISSION OF THE INSTRUCTOR
Note: No more than 6 credits of AN S 490D may be
applied toward the total credits required for
graduation
****** SEE DEPT FOR REFERENCE NUMBERS

IND EP STUDY HONORS AN S 490H  1- 3 CREDITS
Prereq: PERMISSION OF THE INSTRUCTOR
in the Honors Program
Note: Course restricted to honors program students
only. No more than 6 credits of AN S 490H may be
applied toward the total credits required for
graduation
****** SEE DEPT FOR REFERENCE NUMBERS

AG DOMESTIC TRAVEL AN S 496B VAR. CREDITS
Prereq: INSTRUCTOR PERMISSION, 30 COLLEGE CREDITS
Note: Department permission required.
1877005 1 ARRANGED
MEETS: MAY 6-20
Note: SEC 1 TRAVEL TO NE, CO, WY, MT. OFFERED FOR 2
CREDITS SUMMER 2018.

TEACHING EXPERNC 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
larged
****** SEE DEPT FOR REFERENCE NUMBERS

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

ANIMAL SCIENCE (CONTINUED)

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

SPL 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 BIOI AN S 590G  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: NONTESIS M.S. STATUS
****** SEE DEPT FOR REFERENCE NUMBERS

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

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

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

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

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

MEAT SCIEN RESRCH AN S 699F VAR. CREDITS
****** SEE DEPT FOR REFERENCE NUMBERS

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

PULTRY NUTRI RESRCH AN S 699H VAR. CREDITS
****** SEE DEPT FOR REFERENCE NUMBERS

ANIM ETHOLOGY RESRCH AN S 699I VAR. CREDITS
Note: Course only offered for 1-3 credits summer 2018
****** SEE DEPT FOR REFERENCE NUMBERS

ANTHROPOLOGY

INTRO CULTURAL ANTHR ANTHR 201  3 CREDITS
Note: Meets international perspectives reqmt
1615600  XV ARRANGED
MEETS: JULY 9-AUG 3
Note: Section XV is off campus
Course delivery is WWW

1615605  XV ARRANGED
MEETS: JUNE 11-JULY 6
Note: Section XV is off campus
Course delivery is WWW

INTRO BIOL ANTHRO ACHE ANTHR 202  3 CREDITS
1616000  XV ARRANGED
MEETS: JUNE 11-JULY 6
Note: Section XV is off campus
Course delivery is WWW

1616005  XV ARRANGED
MEETS: MAY 14-JUNE 8
Note: Section XV is off campus
Course delivery is WWW
ANTHROPOLOGY (CONTINUED)

INTRO CULTURAL ANTHR 309 3 CREDITS
Prereq: ANTHR 201 RECOMMENDED
Note: Instructor permission required.
1620600 XW ARRANGED VIATORI M
Note: Section XW is off campus
Course delivery is WW

MEETS: JUNE 11-JULY 6
7822010   3 ARRANGED

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.
7718005   A ARRANGED
MEETS: MAY 14-AUG 3

INTERNSHIP CULTURAL 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.
1031005   ARRANGED
MEETS: MAY 14-AUG 3

APPLIED TOWARD GRADUATION

INTRO CULTURAL ANTHRO 490C 1-5 CREDITS
Note: Instructor permission.
******* SEE DEPT FOR REFERENCE NUMBERS

INDEPENDENT STUDY ANTHR 490A 1-5 CREDITS
Prereq: 9 credits in ANTHROPOLOGY
Note: No more than 9 credits of ANTHR 490 may be applied toward graduation.
Satisfactory-Fail Only.
3438005   ARRANGED
MEETS: MAY 14-JUNE 8

RESEARCH ANTHR 699 0-12 CREDITS
Prereq: Instructor permission.
Note: Instructor permission required.
******* SEE DEPT FOR REFERENCE NUMBERS

APPAREL, EVENTS & HOSPITALITY MGMT

SUPV WRK EXP I: HSPY AESHM 270D 1 CREDIT
Prereq: Instructor permission required.
Note: No more than 12 credits total from AESHM 170, AESHM 270, and AESHM 470 may be applied toward graduation.
Satisfactory-Fail Only.
1107005   ARRANGED
MEETS: MAY 14-JUNE 8

SUPV WRK EXP I: EVNT AESHM 270F 1 CREDIT
Prereq: Instructor permission required.
Note: No more than 12 credits total from AESHM 170, AESHM 270, and AESHM 470 may be applied toward graduation.
Satisfactory-Fail Only.
1113005   ARRANGED
MEETS: MAY 14-JUNE 8

SUPV WRK EXP I: APPAR AESHM 270N 1 CREDIT
Prereq: Instructor permission required.
Note: No more than 12 credits total from AESHM 170, AESHM 270, and AESHM 470 may be applied toward graduation.
Satisfactory-Fail Only.
1112005   ARRANGED
MEETS: MAY 14-JUNE 8

Satisfactory-Fail Only.

SUPV WRK EXP I: DINING AESHM 170P 1 CREDIT
Prereq: Instructor permission required.
Note: No more than 12 credits total from AESHM 170, AESHM 270, and AESHM 470 may be applied toward graduation.
Satisfactory-Fail Only.
3039005   ARRANGED
MEETS: MAY 14-JUNE 8

SUPV WRK EXP II: HSPY AESHM 270D 1-2 CREDITS
Prereq: Instructor permission required.
Note: No more than 12 credits total from AESHM 170, AESHM 270, and AESHM 470 may be applied toward graduation.
Satisfactory-Fail Only.
1203005   ARRANGED
MEETS: MAY 14-JUNE 8

SUPV WRK EXP II: EVNT AESHM 270F 1-2 CREDITS
Prereq: Instructor permission required.
Note: No more than 12 credits total from AESHM 170, AESHM 270, and AESHM 470 may be applied toward graduation.
Satisfactory-Fail Only.
1212005   ARRANGED
MEETS: MAY 14-JUNE 8

SUPV WRK EXP II: APPAR AESHM 270N 1-2 CREDITS
Prereq: Instructor permission required.
Note: No more than 12 credits total from AESHM 170, AESHM 270, and AESHM 470 may be applied toward graduation.
Satisfactory-Fail Only.
1213005   ARRANGED
MEETS: MAY 14-JUNE 8

SUPV WRK EXP II: DINING AESHM 170P 1-2 CREDITS
Prereq: Instructor permission required.
Note: No more than 12 credits total from AESHM 170, AESHM 270, and AESHM 470 may be applied toward graduation.
Satisfactory-Fail Only.
3039005   ARRANGED
MEETS: MAY 14-JUNE 8

SUPV WRK EXP II: HSPY AESHM 270D 1-2 CREDITS
Prereq: Instructor permission required.
Note: No more than 12 credits total from AESHM 170, AESHM 270, and AESHM 470 may be applied toward graduation.
Satisfactory-Fail Only.
1203005   ARRANGED
MEETS: MAY 14-JUNE 8

SUPV WRK EXP II: EVNT AESHM 270F 1-2 CREDITS
Prereq: Instructor permission required.
Note: No more than 12 credits total from AESHM 170, AESHM 270, and AESHM 470 may be applied toward graduation.
Satisfactory-Fail Only.
1212005   ARRANGED
MEETS: MAY 14-JUNE 8

SUPV WRK EXP II: APPAR AESHM 270N 1-2 CREDITS
Prereq: Instructor permission required.
Note: No more than 12 credits total from AESHM 170, AESHM 270, and AESHM 470 may be applied toward graduation.
Satisfactory-Fail Only.
1213005   ARRANGED
MEETS: MAY 14-JUNE 8
APPAREL, EVENTS & HOSPITALITY MGMT (CONTINUED)

AESHTCS CNSMR EXPC AESHM 342 3 CREDITS
Prereq: SOPHOMORE CLASSIFICATION
Note: Meets fall diversity reqmt
4690005 A ARRANGED
MEETS: MAY 14-JULY 6
Note: Course delivery is WWW

INT'L FLDS STU:HSPTLY AESHM 381D 1-3 CREDITS
Prereq: 9 CREDITS IN AESHM AND/OR HSP M;
SOLOMOR CLASSIFICATION; MINIMUM 2.0 GPA;
PERMISSION BY APPLICATION
Note: Meets international perspectives reqmt
8774805 DE ARRANGED
MEETS: MAY 8-22
Note: SEC IS TAUGHT IN GERMANY, FRANCE, BELGIUM,
& THE NETHERLANDS. TOPIC: EXPLORING CRAFTSMANSHIP
& HOSPITALITY IN WESTERN EUROPE. STUDY ABOAD
SUMMER 2018. OFFERED FOR 2 CREDITS.
Study Abroad Administrative Fee Applies

APPAREL, MERCHANDISING, AND DESIGN

DRES341DVSTRY SOCIE A M D 165 3 CREDITS
Note: Meets U.S. diversity reqmt
6603005 A ARRANGED
MEETS: MAY 14-JUNE 8
Note: Course delivery is WWW

CULTUR PERSPC DRESS A M D 362 3 CREDITS
Prereq: 9 CREDITS IN A M D AND/OR AESHM;
PERMISSION OF INSTRUCTOR
Note: Course delivery is WWW
6622005 A ARRANGED
MEETS: JULY 9-AUG 3
Note: Course delivery is WWW

IND STU TXYTLAP DSN A M D 490F 3-6 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.
Study Abroad Administrative Fee Applies

INDEP STUDY: HONORS AESHM 490H 2-4 CREDITS
Prereq: PERMISSION OF INSTRUCTOR
Satisfactory-Fail Option
Note: SEE DEPT FOR REFERENCE NUMBERS

INDEP STUDY: HONORS AESHM 490H 2-4 CREDITS
Prereq: PERMISSION OF INSTRUCTOR
Satisfactory-Fail Option
Note: SEE DEPT FOR REFERENCE NUMBERS

PACCTM APPAR MCHDS AESHM 570A 1-3 CREDITS
Prereq: 6 GRAD CREDITS IN PROGRAM AREA;
INSTRUCTOR PERMISSION
6660005 ARRANGED
MEETS: MAY 14-AUG 3

PACCTM HSPTLY MGT AESHM 570B 1-3 CREDITS
Prereq: 6 GRAD CREDITS IN PROGRAM AREA;
INSTRUCTOR PERMISSION
1509005 ARRANGED
MEETS: MAY 14-AUG 3
Note: Instructor permission required.
APPAREL, MERCHANDISING, AND DESIGN (CONTINUED)

ARCHITECTURE (CONTINUED)

STUDY ABROAD OPTIONS ARCH 576 1-12 CREDITS
Note: Meets international perspectives reqmt
8672800 DE ARRANGED PASSE U
MEETS: JUNE 2-JULY 4
Note: SEC'D TAUGHT IN BERLIN, GERMANY, SUMMER ACADEMY BERLIN 2017. STUDY ABROAD SUMMER 2018 OFFERED FOR 4 CREDITS.
Study Abroad Administrative Fee Applies

SERVICE LEARNING
ARCH 581 5 CREDITS
1719005 1 MTW 1:40-4:00
R 1:40-5:00
MEETS: MAY 14-JULY 6

SPECIAL TOPICS
ARCH 590 1-5 CREDITS
Prereq: WRITTEN APPROVAL OF INSTRUCTOR AND DEPARTMENT CHAIR ON APPROVED FORM
****** SEE DEPT FOR REFERENCE NUMBERS

INDEPENDENT STUDY
ARCH 690 6 CREDITS
Prereq: ADMISSION TO THE M.S. IN ARCH. PROGRAM
Note: Department permission required.
****** SEE DEPT FOR REFERENCE NUMBERS

RESEARCH
ARCH 699 3-9 CREDITS
****** SEE DEPT FOR REFERENCE NUMBERS

ART HISTORY

AMERICAN ART TO 1945 ART H 386 3 CREDITS
Note: Meets U.S. diversity reqmt
1734600 XW ARRANGED MORGAN E
MEETS: MAY 14-JULY 6
Note: Section XW is off campus
Course delivery is WWW

MUSEUM/GLLRY INTERN ART H 497 1-6 CREDITS
Prereq: ADVANCED CLASSIFICATION IN A DEPT CURRICULUM
Satisfactory-Fail Only.
****** SEE DEPT FOR REFERENCE NUMBERS

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: BACHELOR'S DEGREE IN ART AND/OR DSGN, OR EVIDENCE OF SATISFACTORY EQUIV IN SPECIALZD AREA. WRITTEN APPROVAL OF INSTR AND DEPT CHAIR ON REQ'D FORM IN ADVANCE OF SEMESTER OF ENROLLMENT.
****** SEE DEPT FOR REFERENCE NUMBERS

ASTRONOMY & ASTROPHYSICS

NORTH STAR ASTRONOMY
ASTRO 102 1 CREDIT
Note: STUDENTS WHO TAKE ASTRO 120 MAY APPLY CREDIT IN ONLY ONE OF ASTRO 102 OR 103 TOWARD GRADUATION
8059600 XW ARRANGED DANILOVIC D
MEETS: MAY 14-Aug 3
Note: Section XW is off campus
Course delivery is WWW

EVENING STAR
ASTRO 103 1 CREDIT
Note: STUDENTS WHO TAKE ASTRO 120 MAY APPLY CREDIT IN ONLY ONE OF ASTRO 102 OR 103 TOWARD GRADUATION
8260600 XW ARRANGED DANILOVIC D
MEETS: MAY 14-Aug 3
Note: Section XW is off campus
Course delivery is WWW

SKY & SOLAR SYSTEM
ASTRO 120 3 CREDITS
Note: STUDENTS WHO TAKE ASTRO 120 MAY APPLY CREDIT IN ONLY ONE OF ASTRO 102 OR 103 TOWARD GRADUATION
1951005 1 MTW 2:30-3:30
R 2:30-3:30
MEETS: JUNE 11-Aug 3

1951010 2 MTW 2:30-3:30
R 1:10-2:10
MEETS: JUNE 11-Aug 3

INDEPENDENT STUDY
ASTRO 290 1-4 CREDITS
Prereq: PERMISSION OF INSTRUCTOR
****** SEE DEPT FOR REFERENCE NUMBERS

UNDERGRAD RESEARCH
ASTRO 450 1-6 CREDITS
Prereq: PERMISSION OF INSTRUCTOR
****** SEE DEPT FOR REFERENCE NUMBERS
Astronomy & Astrophysics (Continued)

Undergraduate 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

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

Research: Astro 699 Var. Credits
******* See dept for reference numbers

Athletic Training

Basic Athletic Train A TR 220 2 Credits
PreReq: Biol 155 or Biol 255 and Biol 256
Note: Instructor permission required 1st week.
5729005 1 MTWR 9:50-11:50
MTWRF 8:40-9:40
Note: Materials fee $50.00

Biochemistry, Biophysics & Molecular Bio

Survey of Biochemistry: BBMB 301 3 Credits
PreReq: Chem 231 or Chem 331
Note: AB, Biochemistry or Biophysics majors may not apply credit for BBMB 301 toward degree requirements for the major but it is acceptable as an elective.
Credit in only one of the following courses may be applied toward graduation: BBMB 301, BBMB 303X, BBMB 316.
1999005 1 MTWR 7:30-8:30
MTWRF 7:30-8:30
MEETS: MAY 14-JULY 6

Independent Study: BBMB 490 1-3 Credits
PreReq: AG LS college majors: Junior or Senior classification, 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 University 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
******* See dept for reference numbers

Undergraduate Research: BBMB 499 1-5 Credits
PreReq: Permission of faculty member with whom student proposes to work
******* See dept for reference numbers

Special Topics: BBMB 590 Var. Credits
******* See dept for reference numbers

Research: BBMB 699 Var. Credits
PreReq: Permission of instructor
******* See dept for reference numbers

Bioinformatics & Computational Biology (UG)

Independent Study: BCBio 490 1-5 Credits
PreReq: BCBio 322, Junior or Senior Classification, Instructor permission.
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

Bioinformatics and Computational Biology

Independent Study: BCB 490 1-5 Credits
PreReq: Permission of instructor
Note: Instructor permission required 1st week.
******* See dept for reference numbers

Cooperative Education: BCB 598 R Credit
PreReq: Permission of the program chair
ARRANGED
MEETS: MAY 14-AUG 3

Bioinformatics and Computational Biology (Continued)

Grad Research Rotat: BCB 697 Var. Credits
7827005 ARRANGED
MEETS: MAY 14-AUG 3

Research: BCB 699 Var. Credits
******* See dept for reference numbers

Biological/Pre-Medical Illustration

Independent Study: BPI I 490 1-3 Credits
PreReq: Written approval of instructor & advisory committee on required form in advance of semester of enrollment.
******* See dept for reference numbers

Illustration Intern: BPI I 497 1-6 Credits
PreReq: JR or SR classification in BPI I. Written approval of supervising instructor & advisory committee on required form in advance of semester of enrollment.
Satisfactory-Fail Only.
******* See dept for reference numbers

Biology

Introductory Biology: BIOL 101 3 Credits
Note: Credit in BIOL 101 may not be applied toward Biology major graduation requirements.
2064005 A MTWR 12:10-2:20
MEETS: JUNE 11-JULY 6
2064600 XW ARRANGED PLEASANTS J
MEETS: MAY 14-AUG 3
Note: Section XW is off campus
Course delivery is web

Human Biology: BIOL 155 3 Credits
PreReq: HS Biology & Chemistry or BIOL 101
Note: Credit in BIOL 155 may not be applied toward Biology major graduation requirements.
7079600 XW ARRANGED BASTAWROS H
MEETS: MAY 14-AUG 3
Note: Section XW is off campus
Course delivery is web

Environmental Biology: BIOL 173 3 Credits
Note: Credit in BIOL 173 may not be applied toward Biology major graduation requirements.
2015600 XW ARRANGED PLEASANTS J
MEETS: MAY 14-AUG 3
Note: Section XW is off campus
Course delivery is web

Prin of Biology I: BIOL 211 3 Credits
PreReq: High School Biology
9468005 A MTWR 9:50-11:50
MEETS: MAY 14-JUNE 6
Section info: http://www.elo.iastate.edu

9468010 B MTWR 12:10-2:20
MEETS: JULY 9-AUG 3

Fund Human Anatomy: BIOL 255 3 Credits
Note: Credit in BIOL 255 may not be applied toward Biology major graduation requirements.
7205005 A ARRANGED
MEETS: MAY 14-AUG 3
Note: Course delivery is web

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 TR 9:10-12:10
MEETS: MAY 14-JULY 6
Note: Materials and professional support fee $90.00

Ecology: BIOL 312 4 Credits
PreReq: BIOL 211, BIOL 222, BIOL 212L, BIOL 212L
2069005 A MTWR 9:50-11:50
MW 12:10-3:00
MEETS: MAY 14-JULY 6
Note: Materials, field trips &/or travel fee $60.00
2069010 B MTWR 9:50-11:50
TR 12:10-3:00
MEETS: MAY 14-JULY 6
Note: Materials, field trips &/or travel fee $60.00

Princip of Genetics: BIOL 313 3 Credits
PreReq: BIOL 211, BIOL 212
Note: Credit for only one of the following may be applied toward graduation: Gen 260, Gen/Biol 313/301 and 312/301, Gen/Agri 320
9472005 1 MTWR 8:40-9:40
MEETS: MAY 14-JULY 6
BUSINESS ADMINISTRATION (CONTINUED)

EXP DOMESTIC INTERN BUSAD 291A 1-3 CREDITS
Prereq: Written Approval of Supervising Instructor and Department Chair on Required Form Prior to the Learning Experience.
Note: Course Restricted to Business College Freshmen Through Seniors.
Satisfactory-Fail Only.

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 ARRANGED
MEETS: MAY 14-AUG 3
WIELAND K
Note: Permission of Coordinator required.

IND STY ENTREPRENR BUSAD 490E 1-3 CREDITS
Prereq: Senior Classification; Permission of Instructor
Note: Course Only Offered for 3 Credits Summer 2018
Instructor permission required.

3635005 ARRANGED
MEETS: MAY 14-AUG 3

INDEP STUDY HONORS BUSAD 490H 1-3 CREDITS
Prereq: Graduation; Written Approval of Instructor and Department Chair on Required Form Prior to the Learning Experience.
Note: Course Not Open to P Bus.
Satisfactory-Fail Only.

CHEMICAL ENGINEERING

CHEMICAL ENGR LAB I CH E 325 2 CREDITS
Prereq: CH E 357, CH E 381; Credit or Enrollment in CH E 382. Credit or Enrollment in ENGL 314 or ENGL 315 or J L Mc 347
Note: Instructor permission required 1st week.
5699005 A MTWR 11:00-12:00
MEETS: MAY 14-JUNE 8
Note: Materials fee $70.00.

FOREIGN STUDY PROG CH E 392 4 CREDITS
Prereq: CH E 391
Note: Credit for Graduation for 391 Allowable Only Upon Completion of CH E 392
Meets International Perspectives Regmt
Instructor permission required 1st week.
2441800 SP ARRANGED
HUMAN K
MEETS: MAY 21-JUNE 22
Note: SEC SP Taught in OVIEDO, SPAIN. Topic: International Summer Course in Chemical Engineering 2018. Study Abroad Administrative Fee Applies

SUMMER INTERNSHIP CH E 396 R CREDIT
Prereq: Permission of Department Each Time Taken
Satisfactory-Fail Only.

CORE CONCPTS CH ENG CH E 412X 3 CREDITS
Prereq: CH E 325, CH E 358, CH E 382
Note: Credit in CH E 412X May Not Be Applied Toward Graduation in Chemical Engineering at the Undergrad or Grad Level
8259005 ARRANGED
MEETS: JUNE 11-AUG 3
Note: Course delivery is WWW

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

Satisfactory-Fail Only.

CREATV COMP MANAGMT BUSAD 599E 3 CREDITS
Prereq: Grad Classification, Permission of Supervisory Committee
Note: Restricted to Business College Graduate Students

CRETIV COMP MARKTG BUSAD 599F 3 CREDITS
Prereq: Grad Classification, Permission of Supervisory Committee
Note: Restricted to Business College Graduate Students

CRTV CMP MGT INF SY BUSAD 599K 3 CREDITS
Prereq: Grad Classification, Permission of Supervisory Committee
Note: Restricted to Business College Graduate Students

RESEARCH BUSAD 699 3-6 CREDITS
Prereq: Grad Classification, Permission of Major Prof
Note: Restricted to Business College Graduate Students

INDEPENDENT STUDY CH E 490 1-6 CREDITS
Prereq: Acceptance in Professional Program in Business; Permission of Instructor
Note: Instructor permission required.

3634005 ARRANGED
MEETS: JUNE 11-AUG 3

INDEPENDENT STUDY CH E 590 2-6 CREDITS
Prereq: Acceptance in Professional Program in Chemical Engineering; Permission of Instructor
Note: Instructor permission required.

CHEMICAL ENGINEERING (CONTINUED)

CHEMICAL ENGR LAB II CH E 426 2 CREDITS
Prereq: CH E 325, CH E 358, CH E 382
Note: Credit for Either CH E 426 or CH E 427, But Not Both, May Be Applied Toward Graduation. Restriction to CH E Seniors Graduating Summer 2018.
Instructor permission required 1st week.
2448005 A MTWR 9:00-12:00
MEETS: MAY 14-JUNE 8
Note: Materials fee $75.00.

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

Satisfactory-Fail Only.

INDEPENDENT STUDY CH E 590 2-6 CREDITS
Note: Restricted to Business College Graduate Students

CREATV COMP SCI BUSAD 599L 3 CREDITS
Prereq: Grad Classification, Permission of Major Prof
Note: Restricted to Business College Graduate Students

CREATV COMP MANAGMT BUSAD 599M 3 CREDITS
Prereq: Grad Classification, Permission of Supervisory Committee
Note: Restricted to Business College Graduate Students

Satisfactory-Fail Only.

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### CHEMISTRY (CONTINUED)

#### ENGINEER INTERNSHIP

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Title</th>
<th>Credits</th>
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<tr>
<td>CH 697</td>
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#### RESEARCH

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<td>CH 699</td>
<td>VAR. CREDITS</td>
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#### CHEMISTRY

**GENERAL CHEMISTRY I**

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<th>Credits</th>
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<tr>
<td>CHEM 177</td>
<td>4 CREDITS</td>
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**LAB GENERAL CHEM I**

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<tbody>
<tr>
<td>CHEM 177L</td>
<td>1 CREDIT</td>
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**ELEM ORGANIC CHEM**

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<tr>
<td>CHEM 231</td>
<td>3 CREDITS</td>
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**LAB ORGANIC CHEM I**

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<tr>
<td>CHEM 331L</td>
<td>1 CREDIT</td>
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**LAB ORGANIC CHEM II**

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<tr>
<td>CHEM 332</td>
<td>3 CREDITS</td>
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**LAB ELEM ORGANIC CHEM II**

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<tbody>
<tr>
<td>CHEM 231L</td>
<td>1 CREDIT</td>
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**LAB ELEM ORGANIC CHEM**

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<tr>
<td>CHEM 231</td>
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**LAB ELEM ORGANIC CHEM I**

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<tr>
<td>CHEM 231L</td>
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#### CIVIL ENGINEERING

**PRIN ENVIRONMT ENGR**

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<th>Credits</th>
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<tbody>
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**CHEMISTRY (CONTINUED)**

#### ORGANIC CHEMISTRY I

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<tr>
<td>CHEM 331</td>
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#### UNDERGRAD RESEARCH

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<tbody>
<tr>
<td>CHEM 399</td>
<td>VAR. CREDITS</td>
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## Notes

- Materials and equipment use fee $90.00
- CHEM 177L MUST BE ACCOMPANIED BY CHEM 177 UNLESS STUDENT ALREADY HAS CREDIT IN CHEM 177. CREDIT FOR ONLY ONE OF THE FOLLOWING COURSES MAY BE APPLIED TOWARD GRADUATION: CHEM 163L, CHEM 167L, CHEM 171L, CHEM 177N, CHEM 201L.
- Note: Materials and equipment use fee $90.00
- Note: No 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
- Note: No more than 9 credits of CHEM 490 may be applied toward graduation
- Note: No more than 6 total credits of CHEM 499 and CHEM 399 may be applied toward graduation
- Materials and equipment use fee $90.00
- Note: No more than 6 total credits of CHEM 399 and CHEM 499 may be applied toward graduation
- Materials and equipment use fee $90.00
- Materials and equipment use fee $90.00
CIVIL ENGINEERING (CONTINUED)

<table>
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<th>Course Code</th>
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<th>Prerequisites</th>
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<tbody>
<tr>
<td>2294005</td>
<td>GEOTECHNICAL ENGINEERING  C E 360</td>
<td>3 CREDITS</td>
<td>Prereq: E M 274</td>
<td>Note: Credit in C E 382 or C E 383, but not both, may be applied toward graduation.</td>
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<tr>
<td>2286005</td>
<td>INDEPENDENT STUDY  C E 490</td>
<td>1-3 CREDITS</td>
<td><strong>SEE DEPT FOR REFERENCE NUMBERS</strong></td>
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<tr>
<td>2291005</td>
<td>DESIGN OF CONCRETES  C E 382</td>
<td>3 CREDITS</td>
<td>Prereq: E M 274</td>
<td>Note: Course restricted to honors program students only.</td>
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<tr>
<td>2218005</td>
<td>SUMMER INTERNSHIP  C E 396</td>
<td>R CREDIT</td>
<td>Prereq: Permission of dept and engr career services</td>
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<tr>
<td>2186005</td>
<td>SPECIAL TOPICS  C E 590</td>
<td>1-5 CREDITS</td>
<td><strong>SEE DEPT FOR REFERENCE NUMBERS</strong></td>
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<tr>
<td>2218600</td>
<td>CREATIVE COMPONENT  C E 599</td>
<td>1-3 CREDITS</td>
<td><strong>SEE DEPT FOR REFERENCE NUMBERS</strong></td>
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<tr>
<td>2289005</td>
<td>ADVANCED TOPICS  C E 690</td>
<td>1-3 CREDITS</td>
<td><strong>SEE DEPT FOR REFERENCE NUMBERS</strong></td>
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<tr>
<td>7416005</td>
<td>ENGINEER INTERNSHIP  C E 697</td>
<td>R CREDIT</td>
<td>Prereq: Permission of co-op adviser, grad class, permission of instructor.</td>
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<tr>
<td>2271005</td>
<td>RESEARCH  C E 699</td>
<td>VAR. CREDITS</td>
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COMMUNICATION STUDIES

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<th>Title</th>
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<tr>
<td>7066000</td>
<td>COMM &amp; U.S. DIVERSITY  COMST 210</td>
<td>3 CREDITS</td>
<td>Prereq: Const 101, Const 102, Const 203, Const 201</td>
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<tr>
<td>3920005</td>
<td>NONVERBAL COMMUNICATION  COMST 325</td>
<td>3 CREDITS</td>
<td>Prereq: Const 101, Const 102, Const 203, Const 201</td>
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<tr>
<td>2386005</td>
<td>INDEPENDENT STUDY  COMST 490</td>
<td>1-3 CREDITS</td>
<td>Prereq: 9 credits in COMST, junior classification</td>
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<td>301</td>
<td>COMMUNICATION  COMST 325</td>
<td>3 CREDITS</td>
<td>Prereq: Const 101, Const 102, Const 203, Const 201</td>
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<tr>
<td>7066000</td>
<td>COMM &amp; U.S. DIVERSITY  COMST 210</td>
<td>3 CREDITS</td>
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<tr>
<td>3920005</td>
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<td>3 CREDITS</td>
<td>Prereq: Const 101, Const 102, Const 203, Const 201</td>
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COMMUNICATION DISORDERS

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<tr>
<th>Course Code</th>
<th>Title</th>
<th>Credits</th>
<th>Prerequisites</th>
<th>Notes</th>
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<tr>
<td>2261200</td>
<td>COMMUNICATION WITH DEAF  CMDIS 286</td>
<td>3 CREDITS</td>
<td>Note: Meets U.S. diversity reqmt</td>
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<td>2618600</td>
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<td>9183605</td>
<td>COMMUNICATION  COMST 491</td>
<td>VAR. CREDITS</td>
<td>Prereq: 9 credits in COMST, junior classification</td>
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<td>2386005</td>
<td>COMMUNICATION  COMST 325</td>
<td>3 CREDITS</td>
<td>Prereq: Const 101, Const 102, Const 203, Const 201</td>
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COMMUNITY & REGIONAL PLANNING

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Title</th>
<th>Credits</th>
<th>Prerequisites</th>
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<tr>
<td>2386005</td>
<td>COMMUNITY &amp; REGIONAL PLANNING  C R P 330</td>
<td>1-3 CREDITS</td>
<td>Prereq: Major in community and regional planning</td>
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<tr>
<td>2271005</td>
<td>PRO WORK EXPERIENCE  C R P 410</td>
<td>R CREDIT</td>
<td>Prereq: Permission of department chair</td>
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<td>7066000</td>
<td>COMMUNITY &amp; REGIONAL PLANNING  C R P 330</td>
<td>1-3 CREDITS</td>
<td>Prereq: Major in community and regional planning</td>
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<td>2271005</td>
<td>PRO WORK EXPERIENCE  C R P 410</td>
<td>R CREDIT</td>
<td>Prereq: Permission of department chair</td>
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CLASSICAL STUDIES

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<th>Course Code</th>
<th>Title</th>
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<tr>
<td>2586600</td>
<td>GREEK &amp; ROMAN MYTHOLOGY  CL ST 273</td>
<td>3 CREDITS</td>
<td>Note: Meets international perspectives reqmt</td>
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<td>2286005</td>
<td>INDEPENDENT STUDY  CL ST 490</td>
<td>1-6 CREDITS</td>
<td>Prereq: 7 cr in CL ST at 300 level or higher; permission of the program chair</td>
<td><strong>SEE DEPT FOR REFERENCE NUMBERS</strong></td>
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COMMUNITY & REGIONAL PLANNING

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<td>PRO WORK EXPERIENCE  C R P 410</td>
<td>R CREDIT</td>
<td>Prereq: Permission of department chair</td>
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COMMUNITY & REGIONAL PLANNING (CONTINUED)

PRO WORK EXPERIENCE CPR 510 R CREDIT
Prereq: PERMISSION OF DEPARTMENT CHAIR

PRACTICUM CPR 530 1-3 CREDITS
Prereq: GRADUATE CLASSIFICATION IN CPR
Satisfactory-Fail Only.

2405005 ARRANGED
MEETS: MAY 14-20 AUG 3

SPL TP PLAN LAW,ADM CPR 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 DEVELO CPR 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 CPR 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 TOPO HOUS/URB REV CPR 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 TOPO ENVIR PLAN CPR 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

SPL TP SPATIAL AN MTH CPR 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 TP SCHL PLAN CPR 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 CPR 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 DIVR/SEQ PLAN CPR 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 CPR 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

SPL PLANNING REPORT CPR 599 1-9 CREDITS
Satisfactory-Fail Only.

****** SEE DEPT FOR REFERENCE NUMBERS

RESEARCH CPR 699 V. CREDITS
Note: Instructor permission required.

****** SEE DEPT FOR REFERENCE NUMBERS

COMPUTER ENGINEERING

EMBEDDE SYS I INTRO CPR E 288 4 CREDITS
Prereq: CPR E 281, COM S 207 OR 227 OR E E 285

3364005 A MTHRCP 8:40-9:40
TR 12:10-1:10
MEETS: MAY 14-JULY 6

3364010 B MTHRCP 8:40-9:40
MW 12:10-1:10
MEETS: MAY 14-JULY 6

SUMMER INTERNSHIP CPR E 396 1 R CREDIT
Prereq: PERMISSION OF DEPARTMENT AND ENGINEERING CAREER SERVICES
Satisfactory-Fail Only.

****** SEE DEPT FOR REFERENCE NUMBERS

COOPERATIVE EDUCATN CPR E 398 1 R CREDIT
Prereq: PERMISSION OF DEPARTMENT AND ENGINEERING CAREER SERVICES
Satisfactory-Fail Only.

****** SEE DEPT FOR REFERENCE NUMBERS

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 INDEPENDENT STUDY CPR E 490H VAR. CREDITS
Prereq: SENIOR CLASSIFICATION IN COMPUTER ENGR
MEMBERSHIP IN UNIV HONORS PROGRAM
Note: COURSE RESTRICTED TO HONORS PROGRAM STUDENTS ONLY
Department permission required 1st week.

****** SEE DEPT FOR REFERENCE NUMBERS

MTWRK PROTOCOL/SECUR CPR E 530 3 CREDITS
Prereq: CPR E 395 OR E E 395 OR EQUIVALENT

2777600 XE ARRANGED MAY 14-20 AUG 3
Note: Section XE is off campus
Course delivery is WWW

SPECIAL TOPICS CPR E 590 1-6 CREDITS
****** SEE DEPT FOR REFERENCE NUMBERS

CREATIVE COMPONENT CPR E 599 VAR. CREDITS
****** SEE DEPT FOR REFERENCE NUMBERS

ENGINEERING INTERNSHIP CPR E 697 R CREDIT
Satisfactory-Fail Only.

7420005 ARRANGED MEETS: MAY 14-20 AUG 3
Note: Department permission required.

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

COMPUTER SCIENCE

COMPUTER APPLICATIONS COM S 103 4 CREDITS
Prereq: CPR E 101 OR CPR E 101 OR EQUIVALENT

2673005 1 ARRANGED MAY 14-20 AUG 3
Note: Course delivery is WWW
Section info: http://www.cs.iastate.edu/~cs103w
Syllabus: http://www.cs.iastate.edu/~cs103w

INTRO SPHERIDATABASES COM S 113 3 CREDITS
Note: CREDIT FOR EITHER COM S 103 OR COM S 113/COM S
113X, BUT NOT BOTH, MAY BE APPLIED TOWARD GRADUATION
COM S, E, AND CPR E MAJORS MAY NOT APPLY CREDIT IN
COM S 113 TOWARD GRADUATION.

7971005 A MW 12:10-1:10
TR 12:10-1:10
MEETS: JUNE 3-JULY 3

FUND CPR PROGRAMMING 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

9235005 A MTHRCP 11:00-12:00
TR 12:20-1:20
MEETS: MAY 14-JULY 6

INTR OBJT ORIENT PROG CPR E 227 4 CREDITS
Prereq: PLACEMENT INTO MATH 143, MATH 165, OR
HIGHER; RECOMMENDED: A PREVIOUS HIGH SCHOOL OR
COLLEGE COURSE IN PROGRAMMING OR EQUIVALENT EXPERIENCE
Note: CREDIT FOR EITHER CPR E 227 OR CPR E 227, BUT NOT BOTH, MAY BE APPLIED TOWARD GRADUATION

9237005 A MTHRCP 11:00-12:00
MTWR 1:20-2:20
MEETS: MAY 14-JULY 6
MEETS: JUNE 11-AUG 3
2576600  XW ARRANGED  HOCHSTETLER A

YOUTH & CRIME  CJ ST 241
Prereq: SOC S 130 or 134
2576600  XW ARRANGED  MEETS: JUNE 11-AUG 3
Note: Section XW is off campus
Course delivery is WWW

CRIMINAL JUSTICE STUDIES

INTRO CRIMINL JUSTIC  CJ ST 240
3 CREDITS
4719600  XW ARRANGED  BURGASON K
MEETS: JUNE 11-JULY 6
Note: Section XW is off campus
Course delivery is WWW

INTRO CRIMINAL JUSTICE  CJ ST 240
3 CREDITS
4719600  XW ARRANGED  MEETS: JUNE 11-JULY 6
Note: Section XW is off campus
Course delivery is WWW

POLICE AND SOCIETY  CJ ST 351
3 CREDITS
7751605  XV ARRANGED  THOMAS B
MEETS: JULY 9-AUG 3
Note: Section XV is off campus
Course delivery is WWW

FINISH, CORECTN&SOCIE  CJ ST 352
3 CREDITS
7762600  XW ARRANGED  DELISI M
MEETS: MAY 14-JUNE 8
Note: Section XW is off campus
Course delivery is WWW

DRUGS AND CRIME  CJ ST 405X
3 CREDITS
3563600  XW ARRANGED  BOUFFARD J
MEETS: MAY 14-JUNE 8
Note: Section XW is off campus
Course delivery is WWW

CRIM 4JUV JUST PRAC  CJ ST 460
3-12 CREDITS
7751605  XV ARRANGED  BRINKLEY J
MEETS: JUNE 11-JULY 6
Note: Section XV is off campus
Course delivery is WWW

CURRICULUM & INSTRUCTION

RDGL&LANG ARTS K-3RD  C I 377  4 CREDITS
Prereq: C I 245, SP ED 250, HD FS 240 (ECE MAJ)
CONCURRENT ENROLLMENT IN C I 445, C I 468A, C I 468C (EL ED) OR C I 438, C I 468F,G, SP ED 368,
HD FS 345 (ECE MAJ), ADMISSION TO TEACHER EDUCATION PROGRAM. TAKE CONCURRENTLY
WITH 468A, 468C.
2036005  XW ARRANGED  MEETS: MAY 7-JUNE 7
Note: Section XW is off campus
Course delivery is WWW

CONSTRUCTION ENGINEERING

ENGINEERING LAW  CON E 380  3 CREDITS
5102600  XE ARRANGED  PERKINS R
MEETS: MAY 14-AUG 3
Note: Section XE is off campus
Course delivery is WWW

SUMMER INTERNSHIP  CON E 396  R CREDIT
Prereq: PERMISSION OF DEPARTMENT AND ENGINEERING CAREER SERVICES
Satisfactory-Fail Only.
********* SEE DEPT FOR REFERENCE NUMBERS

INDEPENDENT STUDY  CON E 490  1-5 CREDITS
Prereq: PERMISSION OF INSTRUCTOR
********* SEE DEPT FOR REFERENCE NUMBERS

CRIMINAL JUSTICE STUDIES

INTRO CRIMINL JUSTIC  CJ ST 240
3 CREDITS
4719600  XW ARRANGED  MEETS: JUNE 11-JULY 6
Note: Section XW is off campus
Course delivery is WWW

YOUTH & CRIME  CJ ST 241
3 CREDITS
2576600  XW ARRANGED  MEETS: JUNE 11-AUG 3
Note: Section XW is off campus
Course delivery is WWW
SOCIAL JUSTICE EDUC   C I  406  3 CREDITS
Freereq: C I 201 or C I 202, C I 332 or C I 333, JUNIOR CLASSIFICATION IN SECONDARY OR K-12 EDUC PROGRAMS; ADMISSION TO TEACHER PREP PROGRAM.
Note: RESTRICTED TO STUDENTS WITH FULL OR TENTATIVE ADMISSION TO THE UNIVERSITY TEACHER EDUCATION PROGRAM. FOR STUDENTS IN SECE.
Meets U.S. diversity-Fail only.
6292005  1 MTWRF 2:30-5:10
MEETS: JUNE 11-JULY 6
PRIN DISTANCE LEARN   C I  407  3 CREDITS
Freereq: C I 201 or C I 202; CONVENIENT ACCESS TO THE WEB
4037005  1 ARRANGED
MEETS: MAY 14-JUNE 8
Note: THE ARRANGED TIME REPRESENTS MEETINGS YET TO BE SCHEDULED AS WELL AS WWW
TCHG OF SOC STUDIES   C I  443  3 CREDITS
Freereq: C I 377; CONCURRENT ENROLLMENT IN C I 378, C I 449, C I 468B, C I 468D (EL ED MAJORS) OR C I 378, C I 449, C I 468B, SP ED 368 (ECM MAJORS)
Note: COURSE RESTRICTED TO EL ED, ECE MAJORS ONLY
Department permission required 1st week.
3258005  1 MTWRF 3:00-5:30
MEETS: JULY 9-AUG 3
TCHG CHILDREN MATH   C I  448  3 CREDITS
Freereq: MATH 195 (C- OR BETTER), MATH 196 (C- OR BETTER); CONCURRENT ENROLLMENT IN C I 377, C I 468A, C I 468C, C I 405 (EL ED MAJORS) OR C I 378, C I 449, C I 468B, SP ED 368 (ECM MAJORS)
Note: COURSE RESTRICTED TO EL ED MAJORS ONLY.
MUST BE TAKEN CONCURRENTLY WITH 468C, 378, 468A.
Department permission required 1st week.
3260005  1 MTWRF 12:30-3:00
MEETS: MAY 7-JUNE 7
TEACHING OF SCIENCE   C I  449  3 CREDITS
Freereq: 377, CONCURRENT ENROLLMENT IN 378, 468B, 468D, JUNIOR CLASSIFICATION IN SECONDARY OR K-12 EDUC PROGRAM.
Note: COURSE RESTRICTED TO EL ED MAJORS ONLY.
MUST BE TAKEN CONCURRENTLY WITH 468D, 378, 468B.
Department permission required 1st week.
3261005  1 MTWRF 12:30-3:00
MEETS: MAY 7-JUNE 7
LITERACY&LANG ASSEM   C I  452  3 CREDITS
Freereq: 378 OR EQUIVALENT
6584005  1 MTWRF 9:00-10:15
MEETS: MAY 4-JULY 5
Note: TUTORING 9-10:15 A.M. JUNE 11-28 (READING CLINIC) ARRANGED REPRESENTS ONLINE WORK
LITRCY INTEGR Tech   C I  456  3 CREDITS
Freereq: C I 280S; ENGL 219 OR LING 219;
ENGL 511 OR LING 511; ENGL 220 OR LING 220; FULL ADMISSION TO THE UNIVERSITY TEACHER EDUCATION PROGRAM.
Satisfactory-Fail only.
3257005  1 MTWRF 12:30-4:30
MEETS: MAY 1-JUNE 7
EXP II:PRI RDG&LANG   C I  468A  1 CREDIT
Freereq: FULL ADMISSION TO THE UNIVERSITY TEACHER EDUCATION PROGRAM.
Note: COURSE RESTRICTED TO EL ED MAJORS WITH FULL OR TENTATIVE ADMISSION TO THE UNIVERSITY TEACHER EDUCATION PROGRAM. TAKE CONCURRENTLY WITH 378, 449, 468B.
Department permission required 1st week.
3265005  1 MTWRF 7:30-12:30
MEETS: JUNE 8-JULY 6
EXP II:RDG&LANG 4-6   C I  468B  1 CREDIT
Freereq: FULL ADMISSION TO THE UNIVERSITY TEACHER EDUCATION PROGRAM.
Note: RESTRICTED TO EL ED MAJORS WITH FULL OR TENTATIVE ADMISSION TO THE UNIVERSITY TEACHER EDUCATION PROGRAM. MUST BE TAKEN CONCURRENTLY WITH 449, 378, 468B, 377.
Department permission required 1st week.
3266005  1 MTWRF 7:30-12:30
MEETS: JUNE 8-JULY 6
EXP II:MATH PRIMARY   C I  468C  1 CREDIT
Freereq: FULL ADMISSION TO THE UNIVERSITY TEACHER EDUCATION PROGRAM.
Note: COURSE RESTRICTED TO EL ED MAJORS WITH FULL OR TENTATIVE ADMISSION TO THE UNIVERSITY TEACHER EDUCATION PROGRAM. MUST BE TAKEN CONCURRENTLY WITH 449, 378, 468B, 377.
Department permission required 1st week.
3267005  1 MTWRF 7:30-12:30
MEETS: JUNE 8-JULY 6
EXP II:READ ENDORSE   C I  468R  1 CREDIT
Freereq: FULL ADMISSION TO THE UNIVERSITY TEACHER EDUCATION PROGRAM; PERMISSION OF SCHOOL OF EDUCATION REQUIRED; CONCURRENT ENROLLMENT IN C I 378
Note: RESTRICTED TO STUDENTS WITH FULL OR TENTATIVE ADMISSION TO THE UNIVERSITY TEACHER EDUCATION PROGRAM.
Department permission required 1st week.
4300005  1 MTWRF 7:30-12:30
MEETS: JUNE 1-JULY 6
Note: Professional support, field trips $/or travel fee $55.00
EXPERIENCE III: ESL   C I  480S  2 CREDITS
Freereq: C I 280S; ENGL 219 OR LING 219;
ENGL 511 OR LING 511; ENGL 220 OR LING 220; FULL ADMISSION TO THE UNIVERSITY TEACHER EDUCATION PROGRAM.
Satisfactory-Fail only.
7955005  1 ARRANGED
MEETS: MAY 7-JUNE 15
Note: Professional support, field trips $/or travel fee $55.00
SUPVS TUTOR READING   C I  488  3 CREDITS
Freereq: CONCURRENT ENROLLMENT IN OR COMPLETION OF ONE COURSE IN CORRECTIVE READING; DIAGNOSIS AND CORRECTION OF READING PROBLEMS
9461005  1 MTWRF 9:00-10:15
MEETS: MAY 4-JULY 5
Note: THE EXPERIENCE PORTION OF THE COURSE - 9:00-10:15 - WILL MEET JUNE 5-22
Materials and equipment use fee $25.00
INDEP STY MUSIC ED   C I  490A VAR. CREDITS
Freereq: GPA OF 2.5 OR MORE FOR PRECEDING SEMESTER
Note: Instructor permission required 1st week.
******** SEE DEPT FOR REFERENCE NUMBERS
INDEP ST PRIN EDUC   C I  490D 1-3 CREDITS
Freereq: GPA OF 2.5 OR MORE FOR PRECEDING SEMESTER
******** SEE DEPT FOR REFERENCE NUMBERS
IND STY METHOD TCHGS   C I  490E 1-3 CREDITS
Freereq: GPA OF 2.5 OR MORE FOR PRECEDING SEMESTER
******** SEE DEPT FOR REFERENCE NUMBERS
IND STY ED PSYCH   C I  490F 1-3 CREDITS
Freereq: GPA OF 2.5 OR MORE FOR PRECEDING SEMESTER
******** SEE DEPT FOR REFERENCE NUMBERS
IND STU DIGITL LRNG   C I  490H 1-3 CREDITS
Freereq: GPA OF 2.5 OR MORE FOR PRECEDING SEMESTER
******** SEE DEPT FOR REFERENCE NUMBERS
IND DEP STUDY HONORS   C I  490I 1-3 CREDITS
Freereq: GPA OF 2.5 OR MORE FOR PRECEDING SEMESTER
Note: COURSE RESTRICTED TO NON-HONORS PROGRAM STUDENTS ONLY
******** SEE DEPT FOR REFERENCE NUMBERS
IND STU MULTICUL ED   C I  490J 1-3 CREDITS
Freereq: GPA OF 2.5 OR MORE FOR PRECEDING SEMESTER
******** SEE DEPT FOR REFERENCE NUMBERS
IND STU HIST/SOC SC   C I  490K 1-3 CREDITS
Freereq: GPA OF 2.5 OR MORE FOR PRECEDING SEMESTER
******** SEE DEPT FOR REFERENCE NUMBERS
IND STU LITERACY ED   C I  490L 1-3 CREDITS
Freereq: GPA OF 2.5 OR MORE FOR PRECEDING SEMESTER
******** SEE DEPT FOR REFERENCE NUMBERS
IND DEP STUDY HONORS   C I  490M 1-3 CREDITS
Freereq: GPA OF 2.5 OR MORE FOR PRECEDING SEMESTER
******** SEE DEPT FOR REFERENCE NUMBERS
IND STU WORLD LANGU   C I  490N 1-3 CREDITS
Freereq: GPA OF 2.5 OR MORE FOR PRECEDING SEMESTER
******** SEE DEPT FOR REFERENCE NUMBERS
IND STU FOUND EDUC   C I  490O 1-3 CREDITS
Freereq: GPA OF 2.5 OR MORE FOR PRECEDING SEMESTER
******** SEE DEPT FOR REFERENCE NUMBERS
<table>
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<th>Course Code</th>
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<th>Credits</th>
<th>Description</th>
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<tbody>
<tr>
<td>CRTV COMP CURRICULUM</td>
<td>C I 599A</td>
<td>1-3</td>
<td>Prereq: 9 Graduate Credits in Education</td>
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<td>CRTV COMP CURRICULUM</td>
<td>C I 599B</td>
<td>1-3</td>
<td>Prereq: 9 Graduate Credits in Education</td>
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<td>CRTV COMP CURRICULUM</td>
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<td>Prereq: 9 Graduate Credits in Education</td>
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<td>1-3</td>
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<td>1-3</td>
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<td>C I 599G</td>
<td>1-3</td>
<td>Prereq: 9 Graduate Credits in Education</td>
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<td>C I 599H</td>
<td>1-3</td>
<td>Prereq: 9 Graduate Credits in Education</td>
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<td>C I 599I</td>
<td>1-3</td>
<td>Prereq: 9 Graduate Credits in Education</td>
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<td>C I 599J</td>
<td>1-3</td>
<td>Prereq: 9 Graduate Credits in Education</td>
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<td>C I 599K</td>
<td>1-3</td>
<td>Prereq: 9 Graduate Credits in Education</td>
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<td>1-3</td>
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<td>1-3</td>
<td>Prereq: 9 Graduate Credits in Education</td>
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<td>C I 599P</td>
<td>1-3</td>
<td>Prereq: 9 Graduate Credits in Education</td>
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<td>CRTV COMP CURRICULUM</td>
<td>C I 599Q</td>
<td>1-3</td>
<td>Prereq: 9 Graduate Credits in Education</td>
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<td>1-3</td>
<td>Prereq: 9 Graduate Credits in Education</td>
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<td>C I 599S</td>
<td>1-3</td>
<td>Prereq: 9 Graduate Credits in Education</td>
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RESEARCH              EEB   699   VAR.  CREDITS

SPECIAL TOPICS        EEB   590    1- 3 CREDITS

MEETS: MAY 14-JULY 6

INTERDIS DSN STUDIO   DSN S 546    4- 6 CREDITS

INDEPENDENT STUDY DANCE 490A  1- 3 CREDITS

Note: Instructor permission required 1st week.

INDEPENDENT STUDY DANCE 490H  1- 3 CREDITS

Note: Instructor permission required 1st week.

HONORS INDEPENDENT STUDY DANCE 490H  1- 3 CREDITS

Note: Instructor permission required 1st week.

RESEARCH              EEOB  699   VAR.  CREDITS

SPECIAL TOPICS ECOLOGY  EEOB  590A  1- 3 CREDITS

Note: Instructor permission required 1st week.

Note: COURSE ONLY OFFERED FOR 6 CREDITS SUMMER 2018

COLLEGE OF DESIGN AND PERMISSION OF INSTRUCTOR

Prereq: GRADUATE OR SENIOR STANDING IN THE

CHAIR ON REQ’D FORM PRIOR TO SEMESTER OF ENROLLMENT

Prereq: WRITTEN APPROVAL OF INSTRUCTOR AND DEPT

CHAIR ON REQ’D FORM PRIOR TO SEMESTER OF ENROLLMENT

Prereq: WRITTEN APPROVAL OF INSTRUCTOR AND DEPT

CHAIR ON REQ’D FORM PRIOR TO SEMESTER OF ENROLLMENT

RESTRICTED TO JUNIORS AND SENIORS ONLY.

THE COLLEGE OF DESIGN AND PERMISSION OF INSTRUCTOR

Satisfactory-Fail Only.

Note: Instructor permission required 1st week.

Note: Instructor permission required 1st week.

Note: Instructor permission required 1st week.

Section info: http://www.econ.iastate.edu/programs
/course/defaultcourseinfo.asp

Prereq: 6 CR IN DANCE, PERMISSION OF COORDINATOR

Prereq: 6 CR IN DANCE, PERMISSION OF COORDINATOR

Prereq: 6 CR IN DANCE, PERMISSION OF COORDINATOR

Note: Instructor permission required 1st week.

Note: Instructor permission required 1st week.

Note: Instructor permission required 1st week.

Syllabus: http://www.econ.iastate.edu/programs
/course/defaultcourseinfo.asp

Syllabus: http://www.econ.iastate.edu/programs
/course/defaultcourseinfo.asp

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/course/defaultcourseinfo.asp

More than 9 credits of ECON 490 toward graduation.

Las college students may apply no more than 6 credits of ECON 490 toward graduation.

Las college students may apply no more than 6 credits of ECON 490 toward graduation.

Prereq: 6 CR IN DANCE, PERMISSION OF COORDINATOR

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Section info: http://www.econ.iastate.edu/programs
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/course/defaultcourseinfo.asp

Section info: http://www.econ.iastate.edu/programs
/course/defaultcourseinfo.asp

ECONOMICS

PRINCIPAL ECONOMICS ECON 102  3 CREDITS

Prereq: ECON 101 RECOMMENDED

Section info: http://www.econ.iastate.edu/programs
/course/defaultcourseinfo.asp

Prereq: ECON 101 RECOMMENDED

Course delivery is www

Note: Section XW is off campus

Note: Section XV is off campus

COURSE ONLY OFFERED FOR 3 CREDITS SUMMER 2018

Course delivery is www

Note: Section XW is off campus

Note: Section XV is off campus

Section info: http://www.econ.iastate.edu/programs
/course/defaultcourseinfo.asp

Section info: http://www.econ.iastate.edu/programs
/course/defaultcourseinfo.asp

Section info: http://www.econ.iastate.edu/programs
/course/defaultcourseinfo.asp

Prereq: PERMISSION OF THE DEPT COOPERATIVE

EDUCATION COORDINATOR; SOPHOMORE CLASSIFICATION

Note: Instructor permission required.

Note: Instructor permission required.

More than 9 credits of ECON 490 toward graduation.

Las college students may apply no more than 6 credits of ECON 490 toward graduation.

Las college students may apply no more than 6 credits of ECON 490 toward graduation.

Prereq: JR/SR CLASSIFICATION, 14 CREDITS IN ECON

Note: COLLEGE OF AG STUDENTS MAY APPLY NO MORE THAN 6 CREDITS OF ECON 490 TOWARD GRADUATION. LAS COLLEGE STUDENTS MAY APPLY NO MORE THAN 9 CREDITS OF ECON 490 TOWARD GRADUATION.

Satisfactory-Fail Only.

Satisfactory-Fail Only.

Satisfactory-Fail Only.

Section info: http://www.econ.iastate.edu/programs
/course/defaultcourseinfo.asp

Section info: http://www.econ.iastate.edu/programs
/course/defaultcourseinfo.asp

Section info: http://www.econ.iastate.edu/programs
/course/defaultcourseinfo.asp


Prereq: 12 CREDITS IN ECON

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Prereq: 12 CREDITS IN ECON

Section info: http://www.econ.iastate.edu/programs/course/defaultcourseinfo.asp

Section info: http://www.econ.iastate.edu/programs/course/defaultcourseinfo.asp

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More than 9 credits of ECON 490 toward graduation.

Las college students may apply no more than 6 credits of ECON 490 toward graduation.

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Prereq: JR/SR CLASSIFICATION, 14 CREDITS IN ECON

Note: COLLEGE OF AG STUDENTS MAY APPLY NO MORE THAN 6 CREDITS OF ECON 490 TOWARD GRADUATION. LAS COLLEGE STUDENTS MAY APPLY NO MORE THAN 9 CREDITS OF ECON 490 TOWARD GRADUATION.

Satisfactory-Fail Only.

Satisfactory-Fail Only.

Satisfactory-Fail Only.

Section info: http://www.econ.iastate.edu/programs/course/defaultcourseinfo.asp

Section info: http://www.econ.iastate.edu/programs/course/defaultcourseinfo.asp

Section info: http://www.econ.iastate.edu/programs/course/defaultcourseinfo.asp

ECOLOGY, EVOLUTION & ORGANISMAL BIOLOGY

SPECIAL TOPICS EEB  590    1- 3 CREDITS

Note:板块分类和课程信息

Research EEB  699    VAR.  CREDITS

Note:板块分类和课程信息

SPCL TOPICS ECOLOGY  EEOB  590A  1- 3 CREDITS

Note:板块分类和课程信息
ECONOMICS (CONTINUED)

COOPERATIVE EDUC ECON 498 R CREDIT
Prereq: PERMISSION OF THE DEPT COOPERATIVE EDUCATION COORDINATOR; SENIOR CLASSIFICATION
Note: Permission of advisor required.
4836005 ARRANGED
MEETS: MAY 14-AUG 3

SPECIAL TOPICS ECON 590 1-5 CREDITS
Satisfactory-Fail Only.
******* SEE DEPT FOR REFERENCE NUMBERS

ADVANCED TOPICS ECON 690 1-5 CREDITS
Satisfactory-Fail Only.
******* SEE DEPT FOR REFERENCE NUMBERS

WORKSHOP ECON 693 3 CREDITS
Satisfactory-Fail Only.
8649005 ARRANGED
MEETS: MAY 14-AUG 3

RESEARCH ECON 699 VAR. CREDITS
Satisfactory-Fail Only.
******* SEE DEPT FOR REFERENCE NUMBERS

EDUCATIONAL ADMINISTRATION

ADV SPECIAL TOPICS EDADM 690 1-3 CREDITS
Prereq: 9 CREDITS IN EDUCATIONAL ADMINISTRATION
******* 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

ELECTRICAL ENGINEERING

ELECTRIC CIRCUITS E E 201 4 CREDITS
Prereq: CR OR ENROLLMENT IN MAT 267 AND PHYS 222
Note: CREDIT FOR EITHER E E 201 OR E E 442, BUT NOT BOTH, MAY BE APPLIED
TOWARD GRADUATION
2120005 1 MTRFW 1:20-2:20
MN 2:30-3:30
MEETS: MAY 14-JULY 6
Note: Materials fee $60.00

ELECTRON CIRCTS&SYS E E 230 4 CREDITS
Prereq: E E 201, MAT 267, PHYS 222
4639005 1 MTRFW 11:00-12:00
MN 8:00-11:00
MEETS: MAY 14-JULY 6
Note: Materials fee $50.00
4639010 2 MTRFW 11:00-12:00
TR 8:00-9:00
MEETS: MAY 14-JULY 6
Note: Materials fee $50.00

SUMMER INTERNSHIP E E 396 R CREDIT
Prereq: PERMISSION OF DEPARTMENT AND ENGINEERING CAREER SERVICES
Satisfactory-Fail Only.
******* SEE DEPT FOR REFERENCE NUMBERS

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

INDEPENDENT STUDY E E 490 R CREDIT
Prereq: SENIOR CLASSIFICATION IN ELECTRICAL ENGR
Note: Instructor permission required 1st week.
******* SEE DEPT FOR REFERENCE NUMBERS

INDEP STUDY HONORS E E 490H R CREDIT
Prereq: SENIOR CLASSIFICATION IN ELECTRICAL ENGR; MEMBERSHIP IN UNIV HONORS PROGRAM
Note: COURSE RESTRICTED TO HONORS PROGRAM STUDENTS ONLY
Instructor permission required 1st week.
******* SEE DEPT FOR REFERENCE NUMBERS

ELECTRICAL ENGINEERING (CONTINUED)

SPL TOP ELECTC HONORS E E 590E 1-5 CREDITS
******* SEE DEPT FOR REFERENCE NUMBERS

SPL TOP ELECTC PWR E E 590F 1-5 CREDITS
******* SEE DEPT FOR REFERENCE NUMBERS

SPL TOP EL DEVICE&GR D E E 590H 1-5 CREDITS
******* SEE DEPT FOR REFERENCE NUMBERS

SPL TOP SIGNAL PROC E E 590I 1-6 CREDITS
******* SEE DEPT FOR REFERENCE NUMBERS

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

ENGINEERING

SUMMER INTERNSHIP ENGR 396 R CREDIT
Prereq: PERMISSION OF DEPARTMENT AND ENGINEERING CAREER SERVICES
******* SEE DEPT FOR REFERENCE NUMBERS

ENGINEERING MECHANICS

ENGINEERING STATICS E M 274 3 CREDITS
Prereq: PHYS 221, CREDIT OR ENROLLMENT IN MATH 166
Note: 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
3004005 1 MTRFW 8:40-9:40
MEETS: MAY 14-JULY 6

MECHAN OF MATERIALS E M 324 3 CREDITS
Prereq: E M 274
Note: 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
3007005 1 MTRFW 9:50-10:50
MEETS: MAY 14-JULY 6

ENGINEERING DYNAMICS E M 345 3 CREDITS
Prereq: E M 274, CR OR ENROLLMENT IN MATH 266 OR
MAT 267
3010005 1 MTRFW 12:10-1:10
MEETS: MAY 14-JULY 6
3010600 XR ARRANGED
MEETS: MAY 14-JULY 6
Note: LIMITED TO DEGREE-SEEKING UNDERGRADUATES
MAJORING IN THE COLLEGE OF ENGINEERING.
ENGRS WILL NEED DEPARTMENTAL PERMISSION.
Section XR is off campus
Course delivery is W W

INDEPENDENT STUDY E M 490 R CREDIT
Prereq: PERMISSION OF INSTRUCTOR
******* SEE DEPT FOR REFERENCE NUMBERS

SPL TOP CIRCUITS & SYS E M 590B 1-4 CREDITS
******* SEE DEPT FOR REFERENCE NUMBERS

SPL TOP ENGR PROJ E M 590C 1-6 CREDITS
******* SEE DEPT FOR REFERENCE NUMBERS

SPL TOP ENGR DESIGN E M 590D 1-6 CREDITS
******* 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
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<td>CRITCL THINK&amp;COMMIC ENGL 150 3 CREDITS</td>
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<tr>
<td>Prereq: CONCURRENT ENROLLMENT IN LIB 160 IS RECOMMENDED.</td>
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<td>Note: EACH SECTION WILL MEET TWO DAYS IN A COMPUTER LAB. CONCURRENT ENROLLMENT IN LIB 160 IS RECOMMENDED.</td>
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<td>3298005 A MWF 8:40-9:40</td>
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<td>MEETS: JUNE 11-AUG 3</td>
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<td>MEETS: JUNE 11-AUG 3</td>
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<td>MEETS: JUNE 11-AUG 3</td>
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<td>WRTI, ORAL, EL COMPOS ENGL 250 3 CREDITS</td>
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<td>Prereq: ENGL 150 OR EXEMPTION FROM ENGL 150 IS RECOMMENDED.</td>
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<td>BUSINESS COMMUNIC ENGL 302 3 CREDITS</td>
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<td>Prereq: ENGL 250, JUNIOR CLASSIFICATION</td>
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<td>Note: COURSE NOT OPEN TO FRESHMEN, SOPHOMORES, AND GRADUATE STUDENTS. EACH SECTION WILL MEET TWO DAYS IN A COMPUTER LAB</td>
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<td>3314650 XM ARRANGED</td>
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<td>3314645 XN ARRANGED</td>
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<td>MEETS: JUNE 11-AUG 3</td>
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INDEPENDENT STUDY RHETORIC ENGL 490C 3 CREDITS
Prereq: ENGL 250, JUNIOR CLASSIFICATION
Note: Course restricted to sophomores and above.

3316005 A MWRF 9:50-10:50
MEETS: JUNE 11-AUG 3

PROPOSAL/PREP WRITING ENGL 309 3 CREDITS
Prereq: ENGL 250, JUNIOR CLASSIFICATION

8089600 XV ARRANGED
MEETS: MAY 14-JULY 6
Note: Section restricted to juniors and seniors.
Section XV is off campus
Course delivery is WWW

8089600 XW ARRANGED
MEETS: MAY 14-JULY 6
Note: Section restricted to juniors and seniors.
Section XW is off campus
Course delivery is WWW

TECHNICAL COMMUNICATIONS ENGL 314 3 CREDITS
Prereq: ENGL 250, JUNIOR CLASSIFICATION
Note: Course restricted to juniors and above.

3356005 1 MWF 11:00-12:00
TR 11:00-12:00
MEETS: MAY 14-JULY 6

3356010 2 MWF 11:00-12:00
WF 11:00-12:00
MEETS: JUNE 11-AUG 3

3356620 XS ARRANGED
MEETS: JUNE 11-AUG 3
Note: Section XS is off campus
Course delivery is WWW

CR WRITING WORKSHOPS ENGL 404 3 CREDITS
Prereq: ENGL 304

3353005 A MTWRF 9:50-10:50
MEETS: JUNE 11-AUG 3

INTERN BUS/PUBLIC RELATIONS ENGL 487 1-3 CREDITS
Prereq: JUNIOR CLASSIFICATION
9 CR IN ENGL 362, ENGL 309, ENGL 313, ENGL 314, ENGL 415 (PREFERRED), ENGL 416, OR ENGL 447.
Note: Department permission required.

9099005 1 ARRANGED
MEETS: MAY 14-AUG 3

INDEPENDENT STUDY LITERATURE ENGL 490A 3 CREDITS
Prereq: 9 CR IN ENGL BEYOND ENGL 250
Note: More than 9 credits of ENGL 490 may be applied toward graduation
Department permission required.

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

INDEPENDENT STUDY LINGUISTICS ENGL 490B 3 CREDITS
Prereq: 9 CR IN ENGL BEYOND ENGL 250
Note: More than 9 credits of ENGL 490 may be applied toward graduation
Department permission required.

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

INDEPENDENT STUDY RHETORIC ENGL 490C 3 CREDITS
Prereq: 9 CR IN ENGL BEYOND ENGL 250
Note: More than 9 credits of ENGL 490 may be applied toward graduation
Department permission required.

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

INDEPENDENT STUDY HONORS ENGL 490H 3 CREDITS
Prereq: 9 CR IN ENGL BEYOND ENGL 250
Note: No more than 9 credits of ENGL 490 may be applied toward graduation
Department permission required.

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

INDEPENDENT STUDY INSTRUCTIONAL METHODS ENGL 587 1-3 CREDITS
Prereq: GRADUATE CLASSIFICATION OR
6 CREDITS IN LITERATURE AT 300 LEVEL OR ABOVE
MEETS: JUNE 12-28
Note: Instructor permission required.

8229005 A ARRANGED
MEETS: MAY 14-AUG 3
Note: Instructor permission required.

INTERN BUS/PUBLIC RELATIONS ENGL 587 1-3 CREDITS
Prereq: ENGL 507 PLUS AGRD CR IN BUSINESS & TECHNICAL WRITING OR COMPOSITION & RHETORIC,
INSTRUCTOR PERMISSION. LIMITED TO MASTER'S & DOCTORAL CANDIDATES IN FIELD OF RHETORIC AND PRO COMMUNICATION.
Note: Instructor permission required.

3425005 A ARRANGED
MEETS: MAY 14-AUG 3

PRACTICAL LITERATURE ENGL 589 1-3 CREDITS
Prereq: ENGL 500 AND PERMISSION OF INSTRUCTOR
MEETS: MAY 14-AUG 3
Note: Instructor permission required.

SPL TOP LITERATURE ENGL 590 1-3 CREDITS
Prereq: PERMISSION OF THE DIRECTOR OF GRADUATE
EDUC ACCORDING TO GUIDELINES AVAILABLE IN DEPT OFFICE

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

SPL TOP TESL/LINGUISTICS ENGL 590 1-3 CREDITS
Prereq: PERMISSION OF THE DIRECTOR OF GRADUATE
EDUC ACCORDING TO GUIDELINES AVAILABLE IN DEPT OFFICE

******** SEE DEPT FOR REFERENCE NUMBERS
### ENGLISH (CONTINUED)

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<th>Course</th>
<th>Department</th>
<th>Credits</th>
<th>Prerequisites</th>
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<tr>
<td>SPL TOP RHETOR&amp;COMP ENGL 590C VAR. CREDITS</td>
<td>ENGL</td>
<td>3 CREDITS</td>
<td>Prereq: PERMISSION OF THE DIRECTOR OF GRADUATE EDUC ACCORDING TO GUIDELINES AVAILABLE IN DEPARTMENT</td>
</tr>
<tr>
<td>SPL TOP RHE&amp;PRO COMM ENGL 590E VAR. CREDITS</td>
<td>ENGL</td>
<td>3 CREDITS</td>
<td>Prereq: PERMISSION OF THE DIRECTOR OF GRADUATE EDUC ACCORDING TO GUIDELINES AVAILABLE IN DEPARTMENT</td>
</tr>
<tr>
<td>SPL TOP CREATV WRT ENGL 590F VAR. CREDITS</td>
<td>ENGL</td>
<td>3 CREDITS</td>
<td>Prereq: PERMISSION OF THE DIRECTOR OF GRADUATE EDUC ACCORDING TO GUIDELINES AVAILABLE IN DEPARTMENT</td>
</tr>
<tr>
<td>SPL TP APP LING&amp;TEC ENGL 590G VAR. CREDITS</td>
<td>ENGL</td>
<td>3 CREDITS</td>
<td>Prereq: PERMISSION OF THE DIRECTOR OF GRADUATE EDUC ACCORDING TO GUIDELINES AVAILABLE IN DEPARTMENT</td>
</tr>
</tbody>
</table>

### ENTOLOGY

<table>
<thead>
<tr>
<th>Course</th>
<th>Department</th>
<th>Credits</th>
<th>Prerequisites</th>
</tr>
</thead>
<tbody>
<tr>
<td>INTRO TO INSECTS ENT 201</td>
<td>ENGL</td>
<td>1 CREDIT</td>
<td>W ARRANGED MEETS: MAY 14-JUNE 15 Note: Course delivery is WWW Section info: <a href="http://www.ent.iastate.edu/dept/courses/">http://www.ent.iastate.edu/dept/courses/</a></td>
</tr>
<tr>
<td>IND STU RESCH/WK ENT 490E</td>
<td>ENGL</td>
<td>1-3 CREDITS</td>
<td>Prereq: 15 CR IN BIOLOGICAL SCIENCES, JUNIOR OR SENIOR CLASSIFICATION. FOR STUDENTS REGISTERING TO BE UNDERGRADUATE LABORATORY ASSISTANTS. Note: NO MORE THAN 6 CR OF 490 MAY BE USED TOWARD GRADUATION Instructor permission required 1st week.</td>
</tr>
<tr>
<td>SP TOP CHEM ECOLOGY ENT 590B</td>
<td>ENGL</td>
<td>1-3 CREDITS</td>
<td>Prereq: 15 CREDITS IN BIOLOGICAL SCIENCES</td>
</tr>
<tr>
<td>SP TOP ECO&amp;PEST MGT ENT 590C</td>
<td>ENGL</td>
<td>1-3 CREDITS</td>
<td>Prereq: 15 CREDITS IN BIOLOGICAL SCIENCES</td>
</tr>
<tr>
<td>SP TOP ECOLOGY ENT 590D</td>
<td>ENGL</td>
<td>1-3 CREDITS</td>
<td>Prereq: 15 CREDITS IN BIOLOGICAL SCIENCES</td>
</tr>
<tr>
<td>SP TOP EVOL&amp;SYSTMAT ENT 590E</td>
<td>ENGL</td>
<td>1-3 CREDITS</td>
<td>Prereq: 15 CREDITS IN BIOLOGICAL SCIENCES</td>
</tr>
<tr>
<td>SPP TOP RSRCH TOPCS ENT 590F</td>
<td>ENGL</td>
<td>1-3 CREDITS</td>
<td>Prereq: 15 CREDITS IN BIOLOGICAL SCIENCES</td>
</tr>
<tr>
<td>SPP TOP MEDICAL&amp;VET ENT 590G</td>
<td>ENGL</td>
<td>1-3 CREDITS</td>
<td>Prereq: 15 CREDITS IN BIOLOGICAL SCIENCES</td>
</tr>
<tr>
<td>SPP TOP MOLECULAR ENT 590H</td>
<td>ENGL</td>
<td>1-3 CREDITS</td>
<td>Prereq: 15 CREDITS IN BIOLOGICAL SCIENCES</td>
</tr>
<tr>
<td>SPP TOP TCHNG EXPER ENT 590I</td>
<td>ENGL</td>
<td>1-3 CREDITS</td>
<td>Prereq: 15 CREDITS IN BIOLOGICAL SCIENCES</td>
</tr>
<tr>
<td>SPP TOP EXTENS INTRN ENT 590N</td>
<td>ENGL</td>
<td>1-3 CREDITS</td>
<td>Prereq: 15 CREDITS IN BIOLOGICAL SCIENCES</td>
</tr>
<tr>
<td>SPP TOP POPUL GENET ENT 590O</td>
<td>ENGL</td>
<td>1-3 CREDITS</td>
<td>Prereq: 15 CREDITS IN BIOLOGICAL SCIENCES</td>
</tr>
<tr>
<td>SEMINAR ENT 600</td>
<td>ENGL</td>
<td>1 CREDIT</td>
<td>A M 3:40-4:50 MEETS: MAY 14-AUG 3 Section info: <a href="http://www.ent.iastate.edu/dept/courses/">http://www.ent.iastate.edu/dept/courses/</a></td>
</tr>
</tbody>
</table>

### ENVIRONMENTAL SCIENCE

<table>
<thead>
<tr>
<th>Course</th>
<th>Department</th>
<th>Credits</th>
<th>Prerequisites</th>
</tr>
</thead>
<tbody>
<tr>
<td>ECOLG ENSCI 312</td>
<td>ENSCI</td>
<td>4 CREDITS</td>
<td>Prereq: BIOC 211L AND BIOC 212L 4996005 A MTWR 9:10-11:10 W 12:10-3:00 MEETS: MAY 14-JULY 6 Note: Materials, field trips &amp; travel fee $60.00</td>
</tr>
<tr>
<td>ENVIRH INTRO SCI ENV S 310</td>
<td>ENSCI</td>
<td>3 CREDITS</td>
<td>Prereq: GRADUATE CLASSIFICATION, PERMISSION OF MAJOR PROFESSOR Satisfactory-Fail Only.</td>
</tr>
<tr>
<td>ENVRNTRL ROADMTH ENV S 333</td>
<td>ENSCI</td>
<td>3 CREDITS</td>
<td>Prereq: PERMISSION OF MAJOR PROF IN ENVIRONMENTAL SCIENCE FACULTY Satisfactory-Fail Only.</td>
</tr>
</tbody>
</table>

### ENVIRONMENTAL STUDIES

<table>
<thead>
<tr>
<th>Course</th>
<th>Department</th>
<th>Credits</th>
<th>Prerequisites</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENVRNTNL BACTERIOL ENV S 300</td>
<td>ENSCI</td>
<td>3 CREDITS</td>
<td>Prereq: PERMISSION OF THE ENV S COORDINATOR Satisfactory-Fail Only.</td>
</tr>
</tbody>
</table>

Note: Section XE is off campus Course delivery is WWW Note: Section XW is off campus Course delivery is WWW Note: Section XW is off campus
EVENT MANAGEMENT

INDEPENDENT STUDY: EVENT 490B VARI. 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

INDEPENDENT STUDY: EVENT 490C VARI. 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

INDEPENDENT STUDY: EVENT 490D VARI. CREDITS
PreReq: No more than 9 credits of Event 290 and Event 490 may be applied toward graduation.
******** See Dept. for Reference Numbers

EXCHANGE PROGRAM

EXCHANGE PROGRAM

FAMILY & CONSUMER SCIENCES ED & STUDIES

SHRT CRS: APPAR CNST
FCEDS 301K 3 CREDITS
PreReq: 6 Credits in Family and Consumer Science
Services Center

INDEPENDENT STUDY: GENERAL
FCEDS 490G VARI. CREDITS
PreReq: Departmental Approval
******** See Dept. for Reference Numbers

SUPPLEMENTAL PROGRAM

SUPPLEMENTAL PROGRAM

FINANCE

PRINCIPLES OF FINANCE
FIN 301 3 CREDITS
PreReq: ACCT 284, ECON 101, STAT 226
Note: Course not open to P Bus Majors and Graduate Students

3690095
A1 MTWF 7:30-9:30
MEETS: MAY 14-JUNE 8
Note: Section A1 restricted to acct, AG B, AN S, BUS S, BUS U, BUSSEC, DS Y, ENTSP, FIN, MGMT, MIS, MRT, SCV UNDERGRAD MAJORS

3690105
A2 MTWF 7:30-9:30
MEETS: MAY 14-JUNE 8
Note: Section A2 for majors other than acct, AG B, AN S, BUS S, BUS U, BUSSEC, DS Y, ENTSP, FIN, MGMT, MIS, MRT, P BUS, SCV

3690155
B1 MTWF 9:50-11:50
MEETS: JUNE 9-AUG 3
Note: Section B1 restricted to acct, AG B, AN S, BUS S, BUS U, BUSSEC, DS Y, ENTSP, FIN, MGMT, MIS, MRT, SCV UNDERGRAD MAJORS

3690205
B2 MTWF 9:50-11:50
MEETS: JULY 9-AUG 3
Note: Section B2 for majors other than acct, AG B, AN S, BUS S, BUS U, BUSSEC, DS Y, ENTSP, FIN, MGMT, MIS, MRT, SCV UNDERGRAD MAJORS

3690605
XW ARRANGED
JENSEN T
Note: Section XW is off campus
Course delivery is WWW

CORPORATE FINANCE
FIN 310 3 CREDITS
PreReq: FIN 301
Note: Course not open to P Bus Majors and Graduate Students

3691005
A1 MTWF 9:50-11:50
MEETS: MAY 14-JUNE 8
Note: Section A1 restricted to fin majors only

3691010
A2 MTWF 9:50-11:50
MEETS: MAY 14-JUNE 8
Note: Section A2 restricted to acct, BUS S, BUS U, BUSSEC, ENTSP, MGMT, MIS, MRT, SCV UNDERGRAD MAJORS ONLY

FINANCE (CONTINUED)

INVESTMENTS
FIN 320 3 CREDITS
PreReq: FIN 301
Note: Course not open to P Bus Majors and Graduate Students

3692005
A1 MTWF 7:30-9:30
MEETS: JUNE 11-JULY 6
Note: Section A1 restricted to fin majors only

3692010
A2 MTWF 7:30-9:30
MEETS: JUNE 11-JULY 6
Note: Sec A2 restricted to acct, BUS S, BUS U, BUSSEC, ENTSP, MGMT, MIS, MRT, SCV UNDERGRAD MAJORS ONLY

FINANCIAL MARKETS & INSTITUTIONS
FIN 330 3 CREDITS
PreReq: FIN 301
Note: Course not open to P Bus Majors and Graduate Students

6829005
A MTWF 12:10-2:10
MEETS: MAY 14-JUNE 8

REAL ESTATE PRINCIPLES
FIN 371 3 CREDITS
PreReq: ECON 101
Note: Course not open to P Bus Majors and Graduate Students

3690005
A1 MTWF 9:50-11:50
MEETS: JUNE 11-JULY 6
Note: Section A1 restricted to fin majors only

3690100
A2 MTWF 9:50-11:50
MEETS: JUNE 11-JULY 6
Note: Sec A2 restricted to acct, BUS S, BUS U, BUSSEC, ENTSP, MGMT, MIS, MRT, SCV UNDERGRAD MAJORS ONLY

INDEPENDENT STUDY
FIN 490 1-3 CREDITS
PreReq: FIN 301, STAT 326 and Permission of Instructor
Note: Process approved add slips in 10 enrollment
Instructor permission required.
******** See Dept. for Reference Numbers

BANKING INTERNSHIP
FIN 499A 1-3 CREDITS
PreReq: GPA 2.5; Permission of Internship Coordinator; STAT 326
Satisfactory-Fail Only.

9403005
ARRANGED
MEETS: MAY 14-AUG 3
Note: Department permission required.

INSURANCE INTERNSHIP
FIN 499B 1-3 CREDITS
PreReq: FIN 361; STAT 326; GPA 2.5; Permission of Internship Coordinator
Satisfactory-Fail Only.

9555005
ARRANGED
MEETS: MAY 14-AUG 3
Note: Department permission required.

INTERNSHIP IN REAL ESTATE
FIN 499C 1-3 CREDITS
PreReq: FIN 301 plus 3 Addl Credits in Finance; STAT 326; GPA 2.5; Permission of Internship Coordinator
Satisfactory-Fail Only.

3098005
ARRANGED
MEETS: MAY 14-AUG 3
Note: Department permission required.

INTERNSHIPS: CORPORATE
FIN 499E 1-3 CREDITS
PreReq: FIN 310, STAT 326, GPA 2.5; Permission of Internship Coordinator
Satisfactory-Fail Only.

2736005
ARRANGED
MEETS: MAY 14-AUG 3
Note: Department permission required.

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 HS 101 3 CREDITS
PreReq: High School Biology and Chemistry or 3 Credits Each of Biology and Chemistry

3659005
1 ARRANGED
BOYLSTON T
MEETS: MAY 14-JULY 6
Note: Course delivery is WWW

INTRO HUMAN NUTRITION
FS HS 167 3 CREDITS
PreReq: High School Biology or 3 CR of Biology

3600005
1 ARRANGED
KUEBISER T
MEETS: MAY 14-AUG 3
Note: Course delivery is WWW
FOOD SCIENCE & HUMAN NUTRITION (CONTINUED)

NUTRI ACTIV LIFESTYLE FS HN 265 3 CREDITS
Prereq: FS HN 167 OR FS HN 264 OR CREDIT OR ENROLLMENT IN RMB 301
6232005 ARRANGED
MEETS: JUNE 11-AGO 3
Note: Course delivery is WW

FOOD CHEMISTRY FS HN 311 3 CREDITS
Prereq: CHEM 231 AND CHEM 232L OR CHEM 331
AND CHEM 311L; CREDIT OR ENROLLMENT IN RMB 301
3669005 1 ARRANGED
BOYDSTON T
MEETS: MAY 14-AGO 3
Note: Course delivery is WW

MED TERMNOL FOR PROFS FS HN 367 1 CREDIT
Prereq: 3 CREDITS IN FOOD SCIENCE COURSEWORK AT 200 LEVEL OR ABOVE
3679005 1 ARRANGED
BREHM-STECHER B
MEETS: MAY 14-JULY 6
Note: Course delivery is WW

IND STUDY DIETETICS FS HN 490A 1-6 CREDITS
Prereq: PERMISSION OF INSTRUCTOR
Note: No more than 6 CREDITS OF 490 MAY BE APPLIED TOWARD GRADUATION
******* SEE DEPT FOR REFERENCE NUMBERS

INDEP STUDY FOOD SCI FS HN 490B 1-6 CREDITS
Prereq: PERMISSION OF INSTRUCTOR
Note: No more than 6 CREDITS OF 490 MAY BE APPLIED TOWARD GRADUATION
******* SEE DEPT FOR REFERENCE NUMBERS

INDEP STUDY NUTRITION FS HN 490C 1-6 CREDITS
Prereq: PERMISSION OF INSTRUCTOR
Note: No more than 6 CREDITS OF 490 MAY BE APPLIED TOWARD GRADUATION
******* SEE DEPT FOR REFERENCE NUMBERS

INDEP STUDY INT'L EXP FS HN 490D 1-6 CREDITS
Prereq: PERMISSION OF INSTRUCTOR
Note: No more than 6 CREDITS OF 490 MAY BE APPLIED TOWARD GRADUATION
******* SEE DEPT FOR REFERENCE NUMBERS

IND STUDY HONORS FS HN 490H 1-6 CREDITS
Prereq: PERMISSION OF INSTRUCTOR, MEMBERSHIP IN UNIVERSITY HONORS PROGRAM
Note: No more than 6 CREDITS OF 490 MAY BE APPLIED TOWARD GRADUATION. RESTRICTED TO HONORS PROGRAM STUDENTS ONLY
******* SEE DEPT FOR REFERENCE NUMBERS

SUPR WORK DIETETICS FS HN 491A 1-4 CREDITS
Prereq: ADVANCE APPROVAL OF INSTRUCTOR & ADVISER
Note: No more than 6 CREDITS OF FS HN 491A,B,C,D MAY BE APPLIED TOWARD GRADUATION
Satisfactory-Fail Only.
******* SEE DEPT FOR REFERENCE NUMBERS

SUPR WORK FOOD SCI FS HN 491B 1-4 CREDITS
Prereq: ADVANCE APPROVAL OF INSTRUCTOR & ADVISER
Note: No more than 6 CREDITS OF FS HN 491A,B,C,D 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 6 CREDITS OF FS HN 491A,B,C,D MAY BE APPLIED TOWARD GRADUATION
Satisfactory-Fail Only.
******* SEE DEPT FOR REFERENCE NUMBERS

SUPR WORK CULINARY FS HN 491D 1-4 CREDITS
Prereq: ADVANCE APPROVAL OF INSTRUCTOR & ADVISER
Note: No more than 6 CREDITS OF FS HN 491A,B,C,D MAY BE APPLIED TOWARD GRADUATION
Satisfactory-Fail Only.
******* SEE DEPT FOR REFERENCE NUMBERS

TRAVEL - INTERNATNL FS HN 496A 1-4 CREDITS
Prereq: PERMISSION OF INSTRUCTOR
Note: Meets international perspectives regent
6295810 CN ARRANGED
LAMSAL B
MEETS: MAY 14-JUNE 2
Note: SEC CN TAUGHT IN DALIAN, DANDONG, NANCHANG, BEIJING- CHINA. FOOD PRODUCTION & PROCESSING IN CHINA. STUDY ABROAD SUMMER 2018
Study Abroad Administrative Fee Applies

6295800 FR ARRANGED
ROGENTRATER K
MEETS: MAY 20-JUNE 2
Note: SEC FS TAUGHT IN FRANCE, PARIS AREA, TITLE: CATHEDRAL, CASTLES, CULTURE & CUISINE- SAFE & NUTRITIOUS FOOD IN FRANCE. STUDY ABROAD SUMMER 2018. OFFERED FOR 2 CREDITS
Study Abroad Administrative Fee Applies

6295805 IT ARRANGED
SVENDSEN L
MEETS: MAY 12-27
Note: SEC IT TAUGHT IN ITALY- ROME, TUSCANY, FLORANCE, FISA & PARMA. TOPIC: FOR THE LOVE OF ITALY & FOOD: MEDITERRANEAN DIET TOUR. STUDY ABROAD SUMMER 2018. OFFERED FOR 3 CREDITS
Study Abroad Administrative Fee Applies

FOOD SCIENCE & HUMAN NUTRITION (CONTINUED)

TRAVEL - INTERNATNL FS HN 496A 1-4 CREDITS
ITALY & FOOD: MEDITERRANEAN DIET TOUR. STUDY ABROAD SUMMER 2018. OFFERED FOR 2 CREDITS
Study Abroad Administrative Fee Applies

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

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

TRAVEL - INTERNATNL FS HN 596A 1-4 CREDITS
Prereq: INSTRUCTOR PERMISSION
Note: Meets international perspectives regent
6306810 CN ARRANGED
LAMSAL B
MEETS: MAY 14-JUNE 2
Note: SEC CN TAUGHT IN DALIAN, DANDONG, NANCHANG, BEIJING- CHINA. FOOD PRODUCTION & PROCESSING IN CHINA. STUDY ABROAD SUMMER 2018
Study Abroad Administrative Fee Applies

6306800 FR ARRANGED
MEETS: MAY 20-JUNE 2
Note: SEC FR TAUGHT IN FRANCE, PARIS AREA, TITLE: CATHEDRAL, CASTLES, CULTURE & CUISINE- SAFE & NUTRITIOUS FOOD IN FRANCE. STUDY ABROAD SUMMER 2018. OFFERED FOR 3 CREDITS
Study Abroad Administrative Fee Applies

6306805 IT ARRANGED
MEETS: MAY 12-27
Note: SEC IT TAUGHT IN ITALY- ROME, TUSCANY, FLORENCE, FISA & PARMA. TOPIC: FOR THE LOVE OF ITALY & FOOD: MEDITERRANEAN DIET TOUR. STUDY ABROAD SUMMER 2018. OFFERED FOR 3 CREDITS
Study Abroad Administrative Fee Applies

CREATIVE COMPONENT FS HN 599 VAR. CREDITS
******* SEE DEPT FOR REFERENCE NUMBERS

SEMINAR FS HN 681 1 CREDIT
3648005 ARRANGED
MEETS: MAY 14-AUG 3

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

RESRCH FOOD SCI&TEC FS HN 699 VAR. CREDITS
******* SEE DEPT FOR REFERENCE NUMBERS

FORESTRY

SPL PROB LEADERSHIP FOR 290A 1-4 CREDITS
Prereq: PROSH OR SOOF CLASSIF, INSTRUCTOR FERMISH
******* SEE DEPT FOR REFERENCE NUMBERS

SPL PROB ECOYSYS MGT FOR 290B 1-4 CREDITS
Prereq: PROSH OR SOOF CLASSIF, INSTRUCTOR FERMISH
******* SEE DEPT FOR REFERENCE NUMBERS

SPL PRB RESRC CNSRV FOR 290C 1-4 CREDITS
Prereq: PROSH OR SOOF CLASSIF, INSTRUCTOR FERMISH
******* SEE DEPT FOR REFERENCE NUMBERS

SPL PROB URBCOMMUN FOR 290D 1-4 CREDITS
Prereq: PROSH OR SOOF CLASSIF, INSTRUCTOR FERMISH
******* SEE DEPT FOR REFERENCE NUMBERS

SPL PROB WOOD SCIEN FOR 290E 1-4 CREDITS
Prereq: PROSH OR SOOF CLASSIF, INSTRUCTOR FERMISH
******* SEE DEPT FOR REFERENCE NUMBERS

CR COMP FOR BIOLOGY FOR 599A 1-12 CREDITS
Prereq: INSTRUCTOR PERMISSION
Note: Sec it proposed for 1st week
******* SEE DEPT FOR REFERENCE NUMBERS

CR COMP FOR BIOLOGY FOR 599B 1-12 CREDITS
Prereq: INSTRUCTOR PERMISSION
Note: Sec it proposed for 1st week
******* SEE DEPT FOR REFERENCE NUMBERS
FOR MGT & ADMIN RESEARCH FOR 699D 1-12 CREDITS

FOR ECONOMICS RESEARCH FOR 699C 1-12 CREDITS

FOR NATURAL RESOURCES RESEARCH FOR 699A 1-12 CREDITS

SPECIAL TOPICS IN ORGANIC CHEMISTRY FOR 599B 1-12 CREDITS

CR COMP PO & REC ECON FOR 599C 1-12 CREDITS

Note: Instructor permission required 1st week.

CR COMP FOR MGT/ADMM FOR 599D 1-12 CREDITS

Note: Instructor permission required 1st week.

CRTV COMP WOOD SCI FOR 599E 1-12 CREDITS

Note: Instructor permission required 1st week.

FOREST BIOLOGY RESEARCH FOR 699A 1-12 CREDITS

SEE DEPT FOR REFERENCE NUMBERS

FOR BIOMETRICS RESEARCH FOR 699B 1-12 CREDITS

Note: Instructor permission required 1st week.

FOR ECONOMICS RESEARCH FOR 699C 1-12 CREDITS

Note: Instructor permission required 1st week.

WOOD SCIENCE RESEARCH FOR 699E 1-12 CREDITS

Note: Instructor permission required 1st week.

RSRC PLANT PHYSIOLOGY FOR 699F 1-12 CREDITS

SEE DEPT FOR REFERENCE NUMBERS

FRENCH

FRNCH STUDY IN ENGLISH FRNCH 370 3-4 CREDITS

Prereq: FOR FOURTH CREDIT - 6 CREDITS IN FRENCH AT 300 LEVEL

Note: Meets international perspectives regent

793600 XV ARRANGED DEININGER M

MEETS: MAY 14-JULY 6

Note: SECTION XV IS OFFERED FOR 4 CREDITS.

Course delivery is WWW

793605 XV ARRANGED DEININGER M

MEETS: MAY 14-JULY 6

Section XV is off campus

Course delivery is WWW

FR FILM STUDY IN ENGLISH FRNCH 378 3-4 CREDITS

Prereq: FOR FOURTH CREDIT - 6 CREDITS IN FRENCH AT 300 LEVEL

Note: Meets international perspectives regent

6267600 XV ARRANGED WEBER-FEVE S

MEETS: JULY 9-AUG 3

Note: SECTION XV IS OFFERED FOR 4 CREDITS.

Course delivery is WWW

6267605 XV ARRANGED WEBER-FEVE S

MEETS: JULY 9-AUG 3

Section XV is off campus

Course delivery is WWW

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

SPL TOP LANG PEDAGY FRNCH 590C 2-4 CREDITS

Prereq: INSTRUCTOR PERMISSION; 6 CR 400-LEVEL FRNCH

2393005 ARRANGED MEETS: JUNE 11-AUG 3

GENETICS

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 311/301 AND 311/301L, AGRON 320

9559005 1 ARRANGED 8:40-9:40 MEETS: MAY 14-JULY 6

INDEPENDENT STUDY GEN 490 1-5 CREDITS

Prereq: GEN 313, JUNIOR OR SENIOR CLASSIFICATION, PERMISSION OF INSTRUCTOR

Note: GENETICS MAJORS MAY APPLY NO MORE THAN 9 CREDITS OF 490 (INCLUDING GEN 490) TOWARD GRADUATION

SEE DEPT FOR REFERENCE NUMBERS

LAB 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 490U OR 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 SENMNR 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 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 RESRCH 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 GCDB 590 VAR. CREDITS

SEE DEPT FOR REFERENCE NUMBERS

GENETICS, DEVELOPMENT & CELL BIOL

SPECIAL TOPICS GCDB 590 VAR. CREDITS

Prereq: PERMISSION OF INSTRUCTOR

Note: COURSE ONLY OFFERED FOR 1-5 CREDITS SUMMER 2018

SEE DEPT FOR REFERENCE NUMBERS

RESEARCH GENETICS GCDB 699 VAR. CREDITS

Satisfactory-Fail Only.

SEE DEPT FOR REFERENCE NUMBERS

GEOLOGY

ENVIRONMENTAL GEOLOGY GEOG 101 3 CREDITS

7996600 XV ARRANGED ANKERSTJERNE S

MEETS: MAY 14-AUG 3

Note: Section XV is off campus

Course delivery is WWW

INDEPENDENT STUDY GEOG 290 1-3 CREDITS

Prereq: PERMISSION OF INSTRUCTOR

SEE DEPT FOR REFERENCE NUMBERS

Satisfactory-Fail Only.

SUMMER FIELD STUDY GEOG 302 6 CREDITS

Prereq: GEOG 102, GEOG 356, GEOG 368

3881005 1 ARRANGED MEETS: MAY 19-JUNE 29

Note: Instructor permission required.

Equipment use and field trips & travel fee $2,250.00

Tuition Category: Camp fee

FLD MTHD HYDROGEOG GEOG 409 3 CREDITS

Prereq: GEOG 402 OR ENGR 402 OR GEOG 411 OR ENGR 411 OR C 471

7671005 MTWRF 8:00-5:00 MEETS: MAY 7-18

Note: Equipment use and field trips & travel fee $300.00
GEOLOGY (CONTINUED)

INDEPENDENT STUDY GEOL 490 1-3 CREDITS
Prereq: 6 CR IN GEOLOGY & PERMISSION OF INSTRUCTOR
Note: NO MORE THAN 9 CREDITS OF GEO 490 MAY BE APPLIED TOWARD GRADUATION
******* SEE DEPT FOR REFERENCE NUMBERS

FIELD METHODS HYDROGEOLOGY GEOL 509 3 CREDITS
Prereq: GEOL 402 OR ENSC 402 OR GEOL 411 OR
ENSC 411 OR C E 473
9169005 MTWRF 8:00-5:00
MEETS: MAY 7-18
Note: Equipment use and field trips & travel fee $300.00

SPECIAL TOPICS GEOLOGY GEOL 590A 1-3 CREDITS
Prereq: PERMISSION OF INSTRUCTOR
******* SEE DEPT FOR REFERENCE NUMBERS

SPECIAL TOPICS STRATIGRAPHY GEOL 590B 1-3 CREDITS
Prereq: PERMISSION OF INSTRUCTOR
******* SEE DEPT FOR REFERENCE NUMBERS

SPECIAL TOPICS SEDIMENTATION GEOL 590C 1-3 CREDITS
Prereq: PERMISSION OF INSTRUCTOR
******* SEE DEPT FOR REFERENCE NUMBERS

SPECIAL TOPICS PALEONTOLOGY GEOL 590D 1-3 CREDITS
Prereq: PERMISSION OF INSTRUCTOR
******* SEE DEPT FOR REFERENCE NUMBERS

SPECIAL TOPICS PETROLOGY GEOL 590E 1-3 CREDITS
Prereq: PERMISSION OF INSTRUCTOR
******* SEE DEPT FOR REFERENCE NUMBERS

SPECIAL TOPICS EARTH SCI GEOL 590F 1-3 CREDITS
Prereq: PERMISSION OF INSTRUCTOR
******* SEE DEPT FOR REFERENCE NUMBERS

SPECIAL TOPICS HYDROGEOLOGY GEOL 590H 1-3 CREDITS
Prereq: PERMISSION OF INSTRUCTOR
******* SEE DEPT FOR REFERENCE NUMBERS

SPECIAL TOPICS MINERALOGY GEOL 590L 1-3 CREDITS
Prereq: PERMISSION OF INSTRUCTOR
******* SEE DEPT FOR REFERENCE NUMBERS

SPECIAL TOPICS TECTONICS GEOL 590M 1-3 CREDITS
Prereq: PERMISSION OF INSTRUCTOR
******* SEE DEPT FOR REFERENCE NUMBERS

SPECIAL TOPICS PETROLOGY GEOL 590N 1-3 CREDITS
Prereq: PERMISSION OF INSTRUCTOR
******* SEE DEPT FOR REFERENCE NUMBERS

SPECIAL TOPICS HYDROGEOLOGY GEOL 590O 1-3 CREDITS
Prereq: PERMISSION OF INSTRUCTOR
******* SEE DEPT FOR REFERENCE NUMBERS

SPECIAL TOPICS TECTONICS GEOL 590P 1-3 CREDITS
Prereq: PERMISSION OF INSTRUCTOR
******* SEE DEPT FOR REFERENCE NUMBERS

SPECIAL TOPICS GEOCHEMISTRY GEOL 590Q 1-3 CREDITS
Prereq: PERMISSION OF INSTRUCTOR
******* SEE DEPT FOR REFERENCE NUMBERS

SPECIAL TOPICS GEOLOGY GEOL 590R 1-3 CREDITS
Prereq: PERMISSION OF INSTRUCTOR
******* SEE DEPT FOR REFERENCE NUMBERS

SPECIAL TOPICS PETROLOGY GEOL 590S 1-3 CREDITS
Prereq: PERMISSION OF INSTRUCTOR
******* SEE DEPT FOR REFERENCE NUMBERS

SPECIAL TOPICS EARTH SCIENCE GEOL 590T 1-3 CREDITS
Prereq: PERMISSION OF INSTRUCTOR
******* SEE DEPT FOR REFERENCE NUMBERS

SPECIAL TOPICS HYDROGEOLOGY GEOL 590U 1-3 CREDITS
Prereq: PERMISSION OF INSTRUCTOR
******* SEE DEPT FOR REFERENCE NUMBERS

SPECIAL TOPICS GEOCHEMISTRY GEOL 590V 1-3 CREDITS
Prereq: PERMISSION OF INSTRUCTOR
******* SEE DEPT FOR REFERENCE NUMBERS

SPECIAL TOPICS PETROLOGY GEOL 590W 1-3 CREDITS
Prereq: PERMISSION OF INSTRUCTOR
******* SEE DEPT FOR REFERENCE NUMBERS

SPECIAL TOPICS EARTH SCIENCE GEOL 590X 1-3 CREDITS
Prereq: PERMISSION OF INSTRUCTOR
******* SEE DEPT FOR REFERENCE NUMBERS

GERMAN

HOLOCAUST TEXT, IMAG GER 371 3-4 CREDITS
Prereq: SOPHOMORE CLASSIFICATION. FOR 4TH CREDIT, 6 CREDITS IN GERMAN AT THE 300 LEVEL.
Note: Meets international perspectives reqmt
3764600 XV ARRANGED CARTER W
MEETS: MAY 14-JULY 6
Note: SECTION XV WILL BE FOR 4 CREDITS.
Course delivery is WWW
3764605 XVW ARRANGED CARTER W
MEETS: MAY 14-JULY 6
Note: Section XVW is off campus

GERONTOLOGY

GERONTOLOGICAL SEMGERON 466 1 CREDIT
Prereq: 9 CR IN CORE COURSES FOR THE GERON MINOR & APPROVAL OF GERON UNDERGRAD COORDINATOR
7869005 ARRANGED MEETS: MAY 14-JULY 6
GERONTOLOGICAL PRACTICUM GERON 467 3-6 CREDITS
Prereq: GERON 466, ADVANCE RESERVATION
87870005 ARRANGED MEETS: MAY 14-AUG 3

SPECIAL TOPICS GERON 590 1-9 CREDITS
******* SEE DEPT FOR REFERENCE NUMBERS

INTERNSHIP GERON 591 1-9 CREDITS
981077 PM ARRANGED MEETS: MAY 14-AUG 3

CREATIVE COMPONENT GERON 599 1-9 CREDITS
9830005 ARRANGED MEETS: MAY 14-AUG 3

RESEARCH GERON 699 1-9 CREDITS
******* SEE DEPT FOR REFERENCE NUMBERS

GLOBAL RESOURCE SYSTEMS

APPRENTICESHIP GLOBE 221 R CREDIT
6652005 ARRANGED MEETS: MAY 14-AUG 3
GLOBAL RESOURCE SYSTEMS (CONTINUED)

INDEPENDENT STUDY GLOBE 290 1-2 CREDITS
Prereq: PERMISSION OF INSTRUCTOR, APPROVAL BY THE GLOBAL RESOURCE SYSTEMS FACULTY COORDINATOR
******** SEE DEPT FOR REFERENCE NUMBERS

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
Meets international perspectives reqmt
8676005 ARRANGED
MEETS: MAY 14-AUG 3

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
8684005 ARRANGED
MEETS: MAY 14-AUG 3
Note: Instructor permission required.

COOPERATIVE EDUCATION 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 ARRANGED
MEETS: MAY 14-AUG 3

SENIOR PROJECT GLOBE 401 3 CREDITS
Prereq: SENIOR CLASSIFICATION IN GLOBE
6799005 ARRANGED
MEETS: MAY 14-AUG 3

SENIOR PROJ HONORS GLOBE 401H 3 CREDITS
8914005 ARRANGED
MEETS: MAY 14-AUG 3

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 ST DY ENTREPRENR GLOBE 490E 1-4 CREDITS
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.
8687005 ARRANGED
MEETS: MAY 14-AUG 3

SENIOR PROJ HONORS GLOBE 401H 3 CREDITS
8914005 ARRANGED
MEETS: MAY 14-AUG 3

PRACTICAL TRAINING GR ST 697 1-4 CREDITS
Prereq: INSTRUCTOR PERMISSION; 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
Satisfactory-Fail Only.
8122005 ARRANGED
MEETS: MAY 14-AUG 3

PREP 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
8117005 ARRANGED
MEETS: MAY 14-AUG 3

PREP REG: GRAD ASST GR ST 681C 1 CREDIT
Prereq: CREDIT IN GR ST 681B MAY NOT BE APPLIED TOWARD GRADUATION
8117005 ARRANGED
MEETS: MAY 14-AUG 3

GRAPHIC DESIGN

GRAPH DESIGN ARTGR 476 3 CREDITS
Prereq: ARTGR 370, ARTGR 371, ARTGR 480
1889005 MF 8:40-12:00
MEETS: MAY 14-JULY 6

GRAPH DESIGN ARTGR 491 3 CREDITS
Prereq: BACHELOR'S DEGREE IN GRAPHIC DESIGN, OR ARTGR 494, PERMISSION OF INSTRUCTOR
7440005 ARRANGED
MEETS: MAY 14-AUG 3

PRACTICAL TRAINING GR ST 681C 1 CREDIT
Prereq: INSTRUCTOR PERMISSION; APPROVAL BY THE GLOBAL RESOURCE SYSTEMS FACULTY COORDINATOR
Note: CREDIT IN GR ST 681C MAY NOT BE APPLIED TOWARD GRADUATION
7440005 ARRANGED
MEETS: MAY 14-AUG 3

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

GRAPHIC DESIGN IN EURO ARTGR 495 3 CREDITS
Prereq: ARTGR 494, PERMISSION OF INSTRUCTOR
1821800 DE ARRANGED
MEETS: JUNE 11-JULY 3
Note: SEC DE TAUGHT IN PRAGUE, CZECH REPUBLIC, DRESDEN & BERLIN, GERMANY, THE HAGUE, THE NETHERLANDS. TOPIC: GRAPHIC DESIGN IN EUROPE. STUDY ABROAD SUMMER 2018. OFFERED FOR 3 CREDITS

SPL TOPCS THRY,CRT ARTGR 509A 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
******** SEE DEPT FOR REFERENCE NUMBERS

GRAPHIC DESIGN IN EUR ARTGR 595 3 CREDITS
Prereq: ARTGR 494, PERMISSION OF INSTRUCTOR
1910005 TR 9:40-12:20
MEETS: MAY 14-JULY 6

CREATIVE COMPONENT ARTGR 599 VAR. CREDITS
******** SEE DEPT FOR REFERENCE NUMBERS
GRAPHIC DESIGN

ADVANCED TOPICS  ARTGR 690 V A R. CREDITS
Prereq: MFA CLASSIFICATION, INSTRUCTOR PERMISSION
Note: Instructor permission required 1st week.
*******  SEE DEPT FOR REFERENCE NUMBERS

RESEARCH - THESIS  ARTGR 699 V A R. CREDITS
*******  SEE DEPT FOR REFERENCE NUMBERS

HEALTH STUDIES

HUMAN DISEASES  H S 350 3 CREDITS
Prereq: H S 110 AND BIOL 255, BIOL 256
4080005  MTTRF 7:30-9:30
MEETS: MAY 14-JUNE 8

FLD EXP HLTH PROMO  H S 485 8-16 CREDITS
Prereq: ALL REQUIRED H S COURSES, PERMISSION OF COORDINATOR
Note: Instructor permission required.
Satisfactory-Fail Only.
4095005  ARRANGED
MEETS: MAY 14-AUG 3

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

HIGHER EDUCATION

STUDENTS AMER HG ED  HG ED 578 3 CREDITS
Prereq: ADMISSION TO HIGHER EDUCATION PROGRAM
7348005  1 RF 1:00-1:50
MEETS: MAY 17-JUNE 29

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

SPL TOP INTNL HG ED  HG ED 590D 1-4 CREDITS
*******  SEE DEPT FOR REFERENCE NUMBERS

SP TOP FEDERSTAT AFF  HG ED 590E 1-4 CREDITS
Prereq: 9 CREDITS IN EDUCATION
*******  SEE DEPT FOR REFERENCE NUMBERS

SP TOP LAW IN HG ED  HG ED 590F 1-4 CREDITS
*******  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

CREATIVE COMPONENT  HG ED 599 V A R. CREDITS
*******  SEE DEPT FOR REFERENCE NUMBERS

ADV SPECIAL TOPICS  HG ED 690 1-4 CREDITS
Prereq: 9 CREDITS IN EDUCATION
*******  SEE DEPT FOR REFERENCE NUMBERS

RESEARCH  HG ED 699 V A R. CREDITS
Prereq: 9 CREDITS IN EDUCATION
*******  SEE DEPT FOR REFERENCE NUMBERS

HISTORICAL, PHILOSOPHICAL & COMP ED

SPLC TOPC COMPAR ED  H P C 590C 1-5 CREDITS
Prereq: 9 CREDITS IN EDUCATION
*******  SEE DEPT FOR REFERENCE NUMBERS

CREATIVE COMPONENT  H P C 599 1-3 CREDITS
*******  SEE DEPT FOR REFERENCE NUMBERS

ADV SPECIAL TOPICS  H P C 690 1-3 CREDITS
*******  SEE DEPT FOR REFERENCE NUMBERS

RESEARCH  H P C 699 V A R. CREDITS
*******  SEE DEPT FOR REFERENCE NUMBERS

HISTORY

INTRO WESTERN CIV I  HIST 201 3 CREDITS
Note: Meets international perspectives reqmt
4150005  MTTRF 9:50-11:10
MEETS: JUNE 11-JULY 6

SURVEY U. S. HIST II  HIST 222 3 CREDITS
4156005  MTTRF 9:50-11:50
MEETS: MAY 14-JUNE 8

HISTORY OF IOWA  HIST 370 3 CREDITS
Prereq: SOPHOMORE CLASSIFICATION
Note: COURSE RESTRICTED TO SOPHOMORES AND ABOVE
4222600  XM ARRANGED  BREMER J
MEETS: MAY 14-JUNE 8
Note: Section XM is off campus
Course delivery is WM

CIV RIGHTS & ETH PWR  HIST 473 3 CREDITS
Prereq: SOPHOMORE CLASSIFICATION
Note: COURSE RESTRICTED TO SOPHOMORES AND ABOVE
Meets U.S. diversity reqmt
6813600  XM ARRANGED  BEHNKEN B
MEETS: JUNE 11-JULY 6
Note: Section XM is off campus
Course delivery is WM

INDEPENDENT STUDY  HIST 490 1-3 CREDITS
Prereq: 9 CREDITS IN HISTORY, PERMISSION OF DEPARTMENT CHAIR
Note: COURSE NOT OPEN TO FRESHMEN, 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

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

HORTICULTURE

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 GRADUATION. 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  ARRANGED
MEETS: MAY 14-AUG 3

IND ST GREENHS CROP  HORT 490A V A R. CREDITS
Prereq: JUNIOR OR SENIOR CLASSIFICATION IN HORTICULTURE OR PERMISSION OF INSTRUCTOR
Note: NO MORE THAN 4 CREDITS OF HORT 490 MAY BE APPLIED TOWARD THE HORTICULTURAL SCIENCES COURSE REQUIREMENTS. ADDITIONAL 2 CREDITS OF HORT 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 V A R. CREDITS
Prereq: JUNIOR OR SENIOR CLASSIFICATION IN HORTICULTURE OR PERMISSION OF INSTRUCTOR
Note: NO MORE THAN 4 CREDITS OF HORT 490 MAY BE APPLIED TOWARD THE HORTICULTURAL SCIENCES COURSE REQUIREMENTS. ADDITIONAL 2 CREDITS OF HORT 490 FROM OUTSIDE HORTICULTURE MAY BE USED TOWARD THE TOTAL OF 129 CREDITS REQUIRED FOR GRADUATION.
*******  SEE DEPT FOR REFERENCE NUMBERS

IND STDY TURFFGRASS  HORT 490C V A R. CREDITS
Prereq: JUNIOR OR SENIOR CLASSIFICATION IN HORTICULTURE OR PERMISSION OF INSTRUCTOR
Note: NO MORE THAN 4 CREDITS OF HORT 490 MAY BE APPLIED TOWARD THE HORTICULTURAL SCIENCES COURSE REQUIREMENTS. ADDITIONAL 2 CREDITS OF HORT 490 FROM OUTSIDE HORTICULTURE MAY BE USED TOWARD THE TOTAL OF 129 CREDITS REQUIRED FOR GRADUATION.
*******  SEE DEPT FOR REFERENCE NUMBERS
HORTICULTURE

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

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

IND STU ENTREPRENR HORT 490J VAR. CREDITS
Prereq: PERMISSION OF INSTRUCTOR
MEETS: MAY 7-JULY 13
Note: VIRGIN ISLANDS

SERVICE LEARN DOMESTC HORT 494B VAR. CREDITS
Prereq: PERMISSION OF INSTRUCTOR

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

ADVANCED TOPICS HORT 690 VAR. CREDITS
4348005 ARRANGED
MEETS: MAY 14-AUG 3

RSRC GREENHSE CROP HORT 699A VAR. CREDITS
******* SEE DEPT FOR REFERENCE NUMBERS

RSRC 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

RSRC CROSS-COMMODT HORT 699F VAR. CREDITS
******* SEE DEPT FOR REFERENCE NUMBERS

RSRC LANDSCAP HORT HORT 699G VAR. CREDITS
******* SEE DEPT FOR REFERENCE NUMBERS

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HOSPITALITY MANAGEMENT

IND ST HOSPITALITY 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

IND STU FOODSRVC OF 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 HONORS PROGRAM STUDENTS 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

HOSPITALITY MGT SCHOLAR HSP M 505 1 CREDIT
3423005 1 TMWRF 8:00-5:00, ARRANGED
MEETS: JUNE 5-AUG 3
Note: CAMPUS MEETINGS JUNE 5-6 ONLY

CURR ISS HSPLYT MGT HSP M 506 1 CREDIT
3458005 1 9:00-5:00, ARRANGED
MEETS: JUNE 3-AUG 3
Note: CAMPUS MEETINGS JUNE 23-24 ONLY. THE SUNDAY MEETING IS ALSO 8:00-5:00.

SP TOP HOSPITLTY 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 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

PROFESSIONAL WRITING HSP M 604 2 CREDITS
Prereq: ENROLLMENT IN PH.D. PROGRAM
8484005 1 ARRANGED
MEETS: JUNE 3-AUG 3

ADV HOSP FINANC MGT HSP M 633 3 CREDITS
Prereq: HSP M 433; ENROLLMENT IN PH.D. PROGRAM
4397005 MTWS 8:00-5:00
ARRANGED
MEETS: JUNE 15-19
Note: ARRANGED REPRESENTS THE SUNDAY 8:00-5:00 MEETING

SEM MARKTG THOUGHTS HSP M 640 3 CREDITS
Prereq: HSP M 540; STAT 401; ENROLLMENT IN PH.D. PROGRAM
5331005 WRF 8:00-5:00
ARRANGED
MEETS: JUNE 27-JULY 1
Note: ARRANGED REPRESENTS THE SUNDAY 8:00-5:00 MEETING

ADV LODGING OPERATN HSP M 652 3 CREDITS
Prereq: ENROLLMENT IN PH.D. PROGRAM
3497005 MRFS 8:00-5:00
ARRANGED
MEETS: JUNE 7-11
Note: ARRANGED REPRESENTS THE SUNDAY 8:00-5:00 MEETING

ANALY OF RSRC FDSV HSP M 680 3 CREDITS
Prereq: ENROLLMENT IN PH.D. PROGRAM
3498005 1 MTRFS 8:00-5:00
ARRANGED
MEETS: JUNE 3-AUG 3
Note: THE SCHEDULED MEETINGS (8:00-5:00) WILL BE POSTPONED TO MONDAY JUNE 4-8

ADV TOP HSPTLY MGT HSP M 690B VAR. CREDITS
Prereq: ENROLLMENT IN PH.D. PROGRAM; SUBMISSION OF APPLICATION TO DEPARTMENT
******* SEE DEPT FOR REFERENCE NUMBERS

ADV TOPIC LODGING HSP M 690D VAR. CREDITS
Prereq: ENROLLMENT IN PH.D. PROGRAM; SUBMISSION OF APPLICATION TO DEPARTMENT
******* SEE DEPT FOR REFERENCE NUMBERS
HOSPITALITY MANAGEMENT (CONTINUED)

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

SPECIAL TOPICS
HCI 590 VAR. CREDITS
******* SEE DEPT FOR REFERENCE NUMBERS

HCI VISUAL DESIGN
HCI 595 3 CREDITS
8623005 TR 9:30-12:50 CANNIFFE B
MEETS: MAY 14-JUNE 22
8623600 XW ARRANGED CANNIFFE B
Note: Section XW is off campus
Course delivery is WMW

CREATIVE COMPONENT
HCI 599 3 CREDITS
Satisfactory-Fail Only.
******* SEE DEPT FOR REFERENCE NUMBERS

HCI INTERNSHIP
HCI 697 R CREDIT
Prereq: GRAD CLASSIFICATION, PERMISSION OF DIRECTOR, CREDITS IN GRADUATE ECONOMICS
******* SEE DEPT FOR REFERENCE NUMBERS

RESEARCH
HCI 699 VAR. CREDITS
Satisfactory-Fail Only.
******* SEE DEPT FOR REFERENCE NUMBERS

HUMAN DEVELOPMENT & FAMILY STUDIES

FIELD EXPERIENCES
HD FS 317 1-6 CREDITS
Prereq: 3 CREDITS IN HD FS
Satisfactory-Fail Only.
******* SEE DEPT FOR REFERENCE NUMBERS

INDEPENDENT STUDY
HD FS 490 VAR. CREDITS
Prereq: 6 CREDITS IN HD FS
Satisfactory-Fail Only.
******* SEE DEPT FOR REFERENCE NUMBERS

INDEPENDENT STUDY HONORS
HD FS 490H VAR. CREDITS
Prereq: 6 CR IN HD FS, MEMBERSHIP IN 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 3.0 GPA, RESERVATION REQUIRED 1 SEMESTER BEFORE PLACEMENT
******* 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

INT'L STUDY GROUP ST
HD FS 581C 1-12 CREDITS
Prereq: PERMISSION BY APPLICATION
5804800 CL ARRANGED PETERSON C
MEETS: MAY 7-19
Note: SEC CL TAUGHT IN SANTIAGO, CHILE & SURROUNDING AREAS. TOPIC: CHILE: HUMAN SERVICES & EDUCATION TOUR. STUDY ABOARD SUMMER 2018. OFFERED FOR 2 CREDITS
Study Abroad Administrative Fee Applies
5804805 DK ARRANGED HILLMAN A
MEETS: MAY 19-JUNE 9
Note: SEC DK TAUGHT IN DENMARK. TOPIC: LESSONS FROM DENMARK: EXPLORING LIFE-SATISFACTION, HAPPINESS, & NYOE IN THE HAPPIEST NATION ON EARTH. STUDY ABOARD SUMMER 2018. OFFERED FOR 3 CREDITS
Study Abroad Administrative Fee Applies

SP TOP HUMAN, FAMILY
HD FS 590I VAR. CREDITS
Prereq: PERMISSION OF INSTRUCTOR
******* SEE DEPT FOR REFERENCE NUMBERS

INTERN HUM, FAM
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 TOP HUMAN, FAMILY
HD FS 690I VAR. CREDITS
Prereq: INSTR PERMISSION, ENROLLMENT IN PH.D. PROG
******* SEE DEPT FOR REFERENCE NUMBERS

HUMAN DEVELOPMENT & FAMILY STUDIES (CONTINUED)

COLLEG TCH INTERNSHIP
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 INTERNSHIP
HD FS 691D VAR. CREDITS
Satisfactory-Fail Only.
******* SEE DEPT FOR REFERENCE NUMBERS

RES HUM DEV & FAM SU
HD FS 699I VAR. CREDITS
Satisfactory-Fail Only.
******* SEE DEPT FOR REFERENCE NUMBERS

IMMUNOLOGY

RESEARCH
IMBIO 699 VAR. CREDITS
******* SEE DEPT FOR REFERENCE NUMBERS

INDUSTRIAL DESIGN

INDUS DSN INTERNSHIP
IND D 397 6 CREDITS
Prereq: IND D 202, 18 CR IN INDUSTRIAL DESIGN, PERMISSION OF INSTRUCTOR
6164005 ARRANGED MEETS: MAY 14-AUG 3

SPECIAL TOPICS
IND D 590 3 CREDITS
Prereq: COMPLETION OF INDUSTRIAL DESIGN STUDY OR PERMISSION OF INSTRUCTOR
******* SEE DEPT FOR REFERENCE NUMBERS

SPECIAL PROJECTS
IND D 592 VAR. CREDITS
Prereq: COMPLETION OF INDUSTRIAL DESIGN STUDY OR PERMISSION OF INSTRUCTOR
4181005 A MWF 8:30-12:00 MEETS: MAY 14-JULY 6
Note: SECTION A OFFERED FOR 3 CREDITS
4181010 B MTWRF 1:10-5:00 MEETS: MAY 14-JULY 6
Note: SECTION B OFFERED FOR 6 CREDITS

INTERNSHIP
IND D 697 R CREDIT
Prereq: COMPLETION OF INDUSTRIAL DESIGN STUDY OR PERMISSION OF INSTRUCTOR
9463005 ARRANGED MEETS: MAY 14-AUG 3

THESIS
IND D 699 6 CREDITS
2151005 ARRANGED MEETS: MAY 14-AUG 3

INDUSTRIAL ENGINEERING

ENGR ECONOMIC ANALY
I E 305 3 CREDITS
Prereq: MATH 166
4425005 W 9:10-10:50, ARRANGED MEETS: MAY 14-JULY 6

SUMMER INTERNSHIP
I E 396 R CREDIT
Prereq: PERMISSION OF DEPARTMENT AND ENGINEERING CAREER SERVICES
Satisfactory-Fail Only.
******* SEE DEPT FOR REFERENCE NUMBERS

COOPERATIVE EDUCATN
I E 399 R CREDIT
Prereq: PERMISSION OF DEPARTMENT AND ENGINEERING CAREER SERVICES
Satisfactory-Fail Only.
******* SEE DEPT FOR REFERENCE NUMBERS

MANUFACT SYSTM ENGR
I E 448 3 CREDITS
Prereq: I E 248, I E 105
6090005 MTWRF 8:40-9:40 MEETS: MAY 14-JULY 6

INDEPENDENT STUDY
I E 490 1-5 CREDITS
Prereq: SR CLASSIFICATION, PERMISSION OF INSTRUCTOR
Satisfactory-Fail Only.
******* SEE DEPT FOR REFERENCE NUMBERS

INDEPENDENT STUDY
I E 490H 1-5 CREDITS
Prereq: SR CLASSIFICATION, PERMISSION OF INSTRUCTOR
UNIV HONORS PROGRAM MEMBERSHIP
Note: COURSE RESTRICTED TO HONORS PROGRAM STUDENTS ONLY
Satisfactory-Fail Only.
******* SEE DEPT FOR REFERENCE NUMBERS
INDUSTRIAL ENGINEERING  (CONTINUED)

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

ADVANCED TOPICS  I E  690  1- 3 CREDITS  Prereq: PERMISSION OF INSTRUCTOR

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

ENGINEER INTERNSHIP  I E  697  R CREDIT  Prereq: PERMISSION OF DEPARTMENT
Note: Department permission required.
Satisfactory-Fail Only.

7999005  ARRANGED  MEETS: MAY 14-AUG 3

RESEARCH  I E  699  VAR. CREDITS  Satisfactory-Fail Only.

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

INDEP STUDY METALS    ARTIS 490G    1- 6 CREDITS

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

INDEP STUDY DRAWING   ARTIS 490D   1- 6 CREDITS

INDEP STUDY TEXTILES   ARTIS 490E   1- 6 CREDITS

INDEP STUDY HONORS    ARTIS 490H   1- 6 CREDITS

INDEP STUDY MIXED MEDIA   ARTIS 490M   1- 6 CREDITS

INDEP STUDY COMPUTER A&D   ARTIS 490C   1- 6 CREDITS

INDEP STUDY CERAMICS   ARTIS 490B   1- 6 CREDITS

INDEP STUDY PAINTING   ARTIS 490I   1- 6 CREDITS

INDEP STUDY PHOTOGRAPHY   ARTIS 490J   1- 6 CREDITS

INDEP STUDY PRINTMAKING  ARTIS 490K  1- 6 CREDITS

INDEP STUDY FURNITURE  ARTIS 490L  1- 6 CREDITS

INDEP STUDY DRAWING  ARTIS 490D  1- 6 CREDITS

INDEP STUDY METALS  ARTIS 490G  1- 6 CREDITS

INTEGRATED STUDIO ARTS

STUDIO ABROAD:GHANA ARTIS 363  3 CREDITS  Prereq: ARTIS 362
Note: Meets international perspectives reqmt.

5070800  GH ARRANGED  MARTIN C  MEETS: MAY 10-31
Note: SEC OR TAUGHT IN GHANA. TOPIC: GHANA: DEVELOPING PERSPECTIVE. STUDY ABROAD SUMMER 2018.
Study Abroad Administrative Fee Applies

TOPICS STUDIO ART  ARTIS 482  1- 3 CREDITS  Prereq: PERMISSION OF INSTRUCTOR
Note: COURSE ONLY OFFERED FOR 1 CREDIT SUMMER 2018

1855005  MTRWF 9:00-4:00  MEETS: JULY 16-20
Note: TOPIC: INTRODUCTION TO ENCAUSTIC PAINTING

INDEPENDENT STUDY 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

INDEPENDENT STUDY COMPUTER A&D ARTIS 490C  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

INDEPENDENT STUDY DRAWING ARTIS 490D  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

INDEPENDENT STUDY 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.

Materials and equipment use fee $35.00

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

INDEPENDENT STUDY ILLUSTRATION ARTIS 490F  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

INDEPENDENT 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.

Materials, field trips /or travel fee $70.00

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

INTEGRATED STUDIO ARTS  (CONTINUED)

INDEPENDENT STUDY HONORS ARTIS 490H  1- 6 CREDITS  Prereq: WRITTEN APPROVAL OF INSTR AND DEPT CHAIR
ON REQ'D FORM IN ADVANCE OF SEMESTER OF ENROLLMENT.
MEMBERSHIP IN UNIVERSITY HONORS PROGRAM.
Note: COURSE RESTRICTED TO HONORS PROGRAM STUDENTS ONLY

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

INDEPENDENT STUDY DRAWING ARTIS 490D  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

INDEPENDENT STUDY 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.

Materials and equipment use fee $35.00

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

INDEPENDENT STUDY ILLUSTRATION ARTIS 490F  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

INDEPENDENT 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

INTEGRATED STUDIO ARTS

TOPICS STUDIO ART  ARTIS 582  1- 3 CREDITS  Prereq: PERMISSION OF INSTRUCTOR
Note: COURSE ONLY OFFERED FOR 1 CREDIT SUMMER 2018

1870005  MTRWF 9:00-4:00  MEETS: JULY 16-20
Note: TOPIC: INTRODUCTION TO ENCAUSTIC PAINTING

SPL TOPICS CERAMICS ARTIS 590B VAR. CREDITS  Prereq: BACHELOR'S DEGREE IN ART AND/OR DSGN,
OR EVIDENCE OF SATISFACTORY EQUIV IN SPECIALIZED AREA. 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

SPL TOPICS DRAWING ARTIS 590C VAR. CREDITS  Prereq: BACHELOR'S DEGREE IN ART AND/OR DSGN,
OR EVIDENCE OF SATISFACTORY EQUIV IN SPECIALIZED AREA. 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

SPL TOPICS TEXTILES ARTIS 590D VAR. CREDITS  Prereq: BACHELOR'S DEGREE IN ART AND/OR DSGN,
OR EVIDENCE OF SATISFACTORY EQUIV IN SPECIALIZED AREA. 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

SPL TOPICS ILLUSTRATION ARTIS 590F VAR. CREDITS  Prereq: BACHELOR'S DEGREE IN ART AND/OR DSGN,
OR EVIDENCE OF SATISFACTORY EQUIV IN SPECIALIZED AREA. 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

SPL TOPICS PAINTING ARTIS 590G VAR. CREDITS  Prereq: BACHELOR'S DEGREE IN ART AND/OR DSGN,
OR EVIDENCE OF SATISFACTORY EQUIV IN SPECIALIZED AREA. 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
I \********     SEE DEPT FOR REFERENCE NUMBERS
RESEARCH: THESIS-EXH ARTIS 699B VAR. CREDITS
********     SEE DEPT FOR REFERENCE NUMBERS
RESEARCH: THESIS ARTIS 699A VAR. CREDITS
*******     SEE DEPT FOR REFERENCE NUMBERS
SPL TOP MIXED MEDIA ARTIS 590M VAR. CREDITS
*******     SEE DEPT FOR REFERENCE NUMBERS
SPL TOPS FURNITUR ARTIS 590L VAR. CREDITS
*******     SEE DEPT FOR REFERENCE NUMBERS
SPECIAL TOPICS ARTIS 590J VAR. CREDITS
*******     SEE DEPT FOR REFERENCE NUMBERS
SPL TOP PHOTOGRAPHY ARTIS 590J VAR. CREDITS
*******     SEE DEPT FOR REFERENCE NUMBERS
SPL TOP PRINTMAKING ARTIS 590J VAR. CREDITS
*******     SEE DEPT FOR REFERENCE NUMBERS
STUDY ABROAD HUMANIT INTST 395B 1-4 CREDITS
Note: COURSE ONLY OFFERED FOR 3 CREDITS SUMMER 2018
Instructor permission required.
7828001 FR ARRANGED TAOUBE J
MEETS: MAY 4-25
Note: SEC FR TAUGHT IN PARIS, FRANCE. CATHEDRALS OF
MEDIEVAL FRANCE. STUDY ABROAD SUMMER 2018. OFFERED
FOR 3 CREDITS.
Study Abroad Administrative Fee Applies
7828005 IT ARRANGED LANGENBER C
MEETS: MAY 11-JUNE 3
Note: SEC IT TAUGHT IN AQUILEIAM, DEINO, TRIESTE, ITALY
TOPIC: TRUTH AND THE MEANING OF PLACE. STUDY ABROAD
SUMMER 2018. OFFERED FOR 3 CREDITS.
Study Abroad Administrative Fee Applies
7828028 SP ARRANGED LADNER E
MEETS: MAY 9-30
Note: SEC SP TAUGHT IN SPAIN & FRANCE. FINDING YOU:
LEADERSHIP ON THE CAMINO DE SANTIAGO. STUDY ABROAD
SUMMER 2018. OFFERED FOR 3 CREDITS.
Study Abroad Administrative Fee Applies
STUDY ABROAD HUMANIT INTST 395B 1-4 CREDITS
Note: COURSE ONLY OFFERED FOR 3 CREDITS SUMMER 2018
Instructor permission required.
7828001 FR ARRANGED TAOUBE J
MEETS: MAY 4-25
Note: SEC FR TAUGHT IN PARIS, FRANCE. CATHEDRALS OF
MEDIEVAL FRANCE. STUDY ABROAD SUMMER 2018. OFFERED
FOR 3 CREDITS.
Study Abroad Administrative Fee Applies
7828005 IT ARRANGED LANGENBER C
MEETS: MAY 11-JUNE 3
Note: SEC IT TAUGHT IN AQUILEIAM, DEINO, TRIESTE, ITALY
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Study Abroad Administrative Fee Applies
7828028 SP ARRANGED LADNER E
MEETS: MAY 9-30
Note: SEC SP TAUGHT IN SPAIN & FRANCE. FINDING YOU:
LEADERSHIP ON THE CAMINO DE SANTIAGO. STUDY ABROAD
SUMMER 2018. OFFERED FOR 3 CREDITS.
Study Abroad Administrative Fee Applies
STUDY ABROAD HUMANIT INTST 395B 1-4 CREDITS
Note: COURSE ONLY OFFERED FOR 3 CREDITS SUMMER 2018
Instructor permission required.
7828001 FR ARRANGED TAOUBE J
MEETS: MAY 4-25
Note: SEC FR TAUGHT IN PARIS, FRANCE. CATHEDRALS OF
MEDIEVAL FRANCE. STUDY ABROAD SUMMER 2018. OFFERED
FOR 3 CREDITS.
Study Abroad Administrative Fee Applies
7828005 IT ARRANGED LANGENBER C
MEETS: MAY 11-JUNE 3
Note: SEC IT TAUGHT IN AQUILEIAM, DEINO, TRIESTE, ITALY
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Study Abroad Administrative Fee Applies
7828028 SP ARRANGED LADNER E
MEETS: MAY 9-30
Note: SEC SP TAUGHT IN SPAIN & FRANCE. FINDING YOU:
LEADERSHIP ON THE CAMINO DE SANTIAGO. STUDY ABROAD
SUMMER 2018. OFFERED FOR 3 CREDITS.
Study Abroad Administrative Fee Applies
STUDY ABROAD HUMANIT INTST 395B 1-4 CREDITS
Note: COURSE ONLY OFFERED FOR 3 CREDITS SUMMER 2018
Instructor permission required.
7828001 FR ARRANGED TAOUBE J
MEETS: MAY 4-25
Note: SEC FR TAUGHT IN PARIS, FRANCE. CATHEDRALS OF
MEDIEVAL FRANCE. STUDY ABROAD SUMMER 2018. OFFERED
FOR 3 CREDITS.
Study Abroad Administrative Fee Applies
7828005 IT ARRANGED LANGENBER C
MEETS: MAY 11-JUNE 3
Note: SEC IT TAUGHT IN AQUILEIAM, DEINO, TRIESTE, ITALY
TOPIC: TRUTH AND THE MEANING OF PLACE. STUDY ABROAD
SUMMER 2018. OFFERED FOR 3 CREDITS.
Study Abroad Administrative Fee Applies
7828028 SP ARRANGED LADNER E
MEETS: MAY 9-30
Note: SEC SP TAUGHT IN SPAIN & FRANCE. FINDING YOU:
LEADERSHIP ON THE CAMINO DE SANTIAGO. STUDY ABROAD
SUMMER 2018. OFFERED FOR 3 CREDITS.
Study Abroad Administrative Fee Applies
JOURNALISM & MASS COMMUNICATION (CONTINUED)

SPL TOP PRO SPECIALZ JL MC 590B VAR. CREDITS
Prereq: PERMISSION OF INSTRUCTOR
****** SEE DEPT FOR REFERENCE NUMBERS

SPLC TOP RSrch MTHD JL MC 590C VAR. CREDITS
Prereq: PERMISSION OF INSTRUCTOR
****** SEE DEPT FOR REFERENCE NUMBERS

SP TOP TECHN&STYLE JL MC 590D VAR. CREDITS
Prereq: PERMISSION OF INSTRUCTOR
****** SEE DEPT FOR REFERENCE NUMBERS

SP TOP SPLZ COMMUN JL MC 590E VAR. CREDITS
Prereq: PERMISSION OF INSTRUCTOR
****** SEE DEPT FOR REFERENCE NUMBERS

KINEIOLOGY

GOLF
KIN 135 1 CREDIT
Satisfactory-Fail Only.
5670005 1 MTWF 8:40-9:40
MEETS: MAY 14-JUNE 28
Note: Materials and equipment use fee $50.00

INDEPENDENT STUDY
KIN 290 1 CREDIT
Note: Instructor permission required.
****** SEE DEPT FOR REFERENCE NUMBERS

COACH THY&ADMIN ISS
KIN 315 3 CREDITS
5372005 1 MTWF 8:00-5:00
ARRANGED
MEETS: MAY 14-18

BIOMECHANICS
KIN 355 3 CREDITS
5752005 1 MTWR 9:50-11:05
MEETS: MAY 14-JULY 6

PHYSIOLOGY EXERCISE
KIN 359 3 CREDITS
7190005 MTWRF 7:30-9:30
MEETS: MAY 14-JUNE 22

EXERCISE PSYCHOLOGY
KIN 366 3 CREDITS
7190005 MTWRF 7:30-9:30
MEETS: MAY 14-JUN 6

MOTOR CNTRL LIFESP
KIN 372 3 CREDITS
9623005 MTWR 9:50-11:05
MEETS: MAY 14-JUNE 22

INTERNSH FITNSS MGT
KIN 485A 1-6 CREDITS
5772005 ARANGED
MEETS: MAY 14-AUG 3
Note: Instructor permission required.

IND STUDY EXER&SPORT
KIN 490A 1-3 CREDITS
Prereq: 6 CREDITS FROM KIN ADVANCED CORE AND
PERMISSION OF COORDINATOR
****** SEE DEPT FOR REFERENCE NUMBERS

COMM TECH&SOC CHANG
JL MC 574 3 CREDITS
Prereq: GRADUATE CLASSIFICATION OR PERMISSION
OF INSTRUCTOR
Note: Meets international perspectives reqmt
4736600 XW ARRANGED
MEETS: MAY 14-JUNE 22
Section XW is off campus
Course delivery is WWW

SP TOP MEDIA STUDIE JL MC 590A VAR. CREDITS
Prereq: PERMISSION OF INSTRUCTOR
****** SEE DEPT FOR REFERENCE NUMBERS
LANDSCAPE ARCHITECTURE

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 STU 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 STUDY HONORS L A 490H 1-6 CREDITS
Prereq: INSTR & DEPT CHAIR APPROVAL ON REQ'D FORM
Note: COURSE RESTRICTED TO HONORS PROGRAM STUDENTS ONLY
Instructor permission required 1st week.
******* SEE DEPT FOR REFERENCE NUMBERS

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

TOPIC INTERDISCPLIN L A 578I 2-3 CREDITS
Note: COURSE ONLY OFFERED FOR 3 CREDITS SUMMER 2018
4226005 ARRANGED
MEETS: JUNE 11-Aug 3
Note: Course delivery is WW

TOPIC COMPUTER APP L A 578K 2-3 CREDITS
Prereq: SENIOR OR GRADUATE STANDING
Note: COURSE ONLY OFFERED FOR 3 CREDITS SUMMER 2018
4250005 MWF 8:40-10:50
MEETS: JUNE 11-Aug 3

THESIS, CRTV CMP, TUT L A 580 1-4 CREDITS
Prereq: PERMISSION OF MAJOR PROFESSOR
Instructor permission required 1st week.
******* SEE DEPT FOR REFERENCE NUMBERS

IND STU LAND DSGN 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 STU PLNTNG DSGN 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
<table>
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<tr>
<th>Course Code</th>
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<td>SPL TOP URBAN DESIGN</td>
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<td>LA 590G</td>
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<td>1-6</td>
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<td>1-3</td>
<td>Freshman or Sophomore Classification, Permission of Instructor</td>
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**LINGUISTICS**

**SPL TOPL TEST/LINGUI ART VAR. CREDITS**
Prereq: PERMISSION OF THE GRADUATE STUDIES COMMITTEE.
According to guidelines available in the department.

**SPL TP APP LINGUISTIC ART VAR. CREDITS**
Prereq: PERMISSION OF THE GRADUATE STUDIES COMMITTEE.
According to guidelines available in the department.

**MANAGEMENT**

**MANAGMNT ORGznATIONS**
Prereq: ECON 101 or ECON 102.
Note: Course not open to P Bus Majors. Graduate Students. See 1200 CERDIIN for permission to add.

**SPL**
**MGT 370**
3 credits

**SPL**
**MGT 371**
3 credits

**SPL**
**MGT 372**
3 credits

**MEETS:** JUNE 11-JULY 6

**MEETS:** MAY 14-JUNE 22

**MEETS:** MAY 14-JUNE 8

**MEETS:** JUNE 11-JULY 6

**MEETS:** MAY 14-JUNE 8

**MEETS:** JUNE 11-JULY 6

**MEETS:** MAY 14-JUNE 8

**MANAGEMENT INFORMATION SYSTEMS**

**FUND CPTR PROGRAMMING**
Prereq: CCRN 113 or BUSAD 150

**MGT 301**
3 credits

**MEETS:** JUNE 11-JULY 6

**MEETS:** MAY 14-JUNE 22

**MEETS:** MAY 14-JUNE 8

**MEETS:** JUNE 11-AUG 3

**MGT 301**
3 credits

**MEETS:** JUNE 11-JULY 6

**MEETS:** MAY 14-JUNE 8

**MEETS:** JUNE 11-AUG 3
MATERIALS ENGINEERING

INDEPENDENT STUDY MAT E 490C VAR. CREDITS

Prereq: PERMISSION OF DEPARTMENT

***** SEE DEPT FOR REFERENCE NUMBERS

HONORS INDEPENDENT STUDY MAT E 490H VAR. CREDITS

Prereq: PERMISSION OF DEPARTMENT

***** SEE DEPT FOR REFERENCE NUMBERS

INDEPENDENT STUDY-RESEARCH MAT E 490R VAR. CREDITS

Prereq: PERMISSION OF DEPARTMENT

***** SEE DEPT FOR REFERENCE NUMBERS

MATERIALS SCIENCE & ENGINEERING

SCAVANGER MICROSCPY M S E 552 3 CREDITS

Prereq: PHYS 222

5092600 XE ARRANGED

CHUMBLEY S

MEETS: MAY 14-AUG 3

Note: Section XE is off campus

Course delivery is WNM

SPECIAL TOPICS M S E 590 VAR. CREDITS

Prereq: PERMISSION OF INSTRUCTOR

***** SEE DEPT FOR REFERENCE NUMBERS

ADVANCED TOPICS MATRHC SC M S E 690 VAR. CREDITS

Prereq: PERMISSION OF DEPARTMENT

***** SEE DEPT FOR REFERENCE NUMBERS

ENGINEERING INTERNSHIP M S E 697 R CREDIT

Prereq: PERMISSION OF DEPARTMENT, GRAD CLASS FCN

Satisfactory - Fail Only.

4307005 ARRANGED

MEETS: MAY 14-AUG 3

RESEARCH M S E 699 VAR. CREDITS

***** SEE DEPT FOR REFERENCE NUMBERS

MATHEMATICS

INTRO TO PROBABILITY MATH 104 3 CREDITS

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.

5128600 XW ARRANGED

MEETS: JUNE 11-AUG 3

Note: Section XW is off campus

College Algebra MATH 140 3 CREDITS

Assessment, 2 years of high school algebra, 1 year of high school geometry.

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 general education requirements for graduation.

5132005 A MTWF 9:50-10:50

MEETS: JUNE 11-AUG 3

5132010 B MTWF 11:00-12:00

MEETS: MAY 14-JULY 6

5132600 XW ARRANGED

MEETS: JUNE 11-AUG 3

Note: Section XW is off campus

Prep for Calculus MATH 143 4 CREDITS

Assessment, 2 years of high school algebra; 1 year of high school geometry or Math 30.

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 MTWF 8:40-10:00

MEETS: JUNE 11-AUG 3

Applied Trigonometry MATH 145 3 CREDITS

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. Credit for only one of the following courses may be applied toward graduation: Math 143, Math 145, Math 145.

Students in the LAS College may not apply Math 145 toward general education requirements.

9173005 MTWF 8:40-9:40

MEETS: MAY 14-JULY 6

Disc Mathematics 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: Credit for either Math 104 or Math 150, but not both, may be applied toward graduation. Credits earned in Math 150 cannot be applied toward graduation by Math Majors.

5135005 A MTWF 9:50-10:50

MEETS: JUNE 11-AUG 3

5135010 B MTWF 11:00-12:00

MEETS: MAY 14-JULY 6

Bus & Social Sciences Calculus 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 181-182. Credits earned in Math 151 cannot be applied toward graduation by Math Majors. 6 credits of Math 151, 181, 165 (or 166) may be applied toward graduation if no other calculus has been taken.

5136005 A MTWF 9:50-10:50

5136010 B MTWF 12:10-1:10

MEETS: JUNE 11-AUG 3

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 Math 145.

Note: Only one of the following courses/sequences of courses may be applied toward graduation: Math 151, Math 160, Math 165-166, Math 181-182.

5138005 A MTWF 8:40-10:00

MEETS: MAY 14-JULY 6

5138010 B MTWF 8:40-10:00

MEETS: JUNE 11-AUG 3

5138015 C MTWF 8:40-10:00

MEETS: MAY 14-JULY 6

5138600 XW ARRANGED

MEETS: JUNE 11-AUG 3

Note: Section XW is off campus

Course delivery is WNM

Calculus II MATH 166 4 CREDITS

Prereq: Grade of C- or better in Math 165 or high math placement score.

Note: Only one of the following courses/sequences of courses may be applied toward graduation: Math 151, Math 160, Math 165-166, Math 181-182. 6 credits of Math 151, Math 181, Math 165 (or 166) may be applied toward graduation if no other calculus has been taken.

5139005 A MTWF 11:00-12:20

MEETS: MAY 14-JULY 6

5139015 B MTWF 11:00-12:20

MEETS: JUNE 11-AUG 3

5139020 C MTWF 11:00-12:20

MEETS: MAY 14-JULY 6

5139600 XW ARRANGED

MEETS: JUNE 11-AUG 3

Note: Section XW is off campus

Course delivery is WNM

Matrices/Linear Algebra 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 A MTWF 8:40-9:40

MEETS: MAY 14-JULY 6

Calculus III MATH 265 4 CREDITS

Prereq: Grade of C- or better in Math 166 or Math 160.

5151005 A MTWF 9:50-11:10

MEETS: MAY 14-JULY 6

5151015 B MTWF 9:50-11:10

MEETS: JUNE 11-AUG 3

5151600 XW ARRANGED

MEETS: JUNE 11-AUG 3

Note: Section XW is off campus

Course delivery is WNM

Elementary Differential Equations MATH 266 3 CREDITS

Prereq: Grade of C- or better in Math 166 or Math 160.

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 269, Math 269X.

5152005 A MTWF 12:10-1:30

MEETS: MAY 14-JUNE 22

5152010 B MTWF 12:10-1:30

MEETS: JUNE 14-JUNE 22

5152015 C MTWF 12:10-1:30

MEETS: JUNE 11-JULY 20
### MATHEMATICS (CONTINUED)

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<th>Credits</th>
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<tr>
<td>DIFF EQ &amp; TRANSFORMS MATH 267</td>
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<td>Prereq: Grade of C- or better in MATH 166 or MATH 168</td>
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<td>Note: Credit for either MATH 267 or the MATH 266,268</td>
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<td>SYSTEMS OF DIFF EQ MATH 269</td>
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<td>Prereq: Familiarity with ordinary differential equations of first</td>
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<td>and second order, permission of department.</td>
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<td>Prereq: Permission of instructor.</td>
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<td>INDEPENDENT STUDY HONORS MATH 290H</td>
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<td>Prereq: Membership in UNIV HONORS PROGRAM, permission of instructor</td>
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<td>Note: Department permission required.</td>
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<td>COOPERATIVE EDUC MATH 398</td>
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<td>Prereq: Permission of the Department Cooperative Education</td>
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<td>ANALYSIS I MATH 414</td>
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<td>Prereq: Grade of C- or better in MATH 201</td>
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<td>UNDERGRAD THESIS MATH 491</td>
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<td>Prereq: Course only offered for 3 credits summer 2018</td>
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<td>ED SMNR GEOM &amp; DISCREET MATH 540B</td>
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<td>Prereq: Enrollment in the Master of School Mathematics Program or</td>
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<td>DISCRETE MATH &amp; APP MATH 547</td>
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<td>Prereq: Enrollment in Master of School Math Program</td>
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<td>7642005 MEETS: JUNE 11-JULY 27</td>
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<td>INTERMED GEOMETRY MATH 549</td>
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<td>Prereq: MATH 435 or equivalent and enrollment in the Master of</td>
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<td>School Mathematics Program</td>
</tr>
<tr>
<td>9600005 MTWRF 9:40-11:00</td>
<td></td>
<td>MEETS: JUNE 11-JULY 27</td>
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</table>

### MATHEMATICS (CONTINUED)

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>INDEPENDENT STUDY MATH 590 VAR. CREDITS</td>
<td>*</td>
<td>SEE DEPT FOR REFERENCE NUMBERS</td>
</tr>
<tr>
<td>CREATIV COMPONENT MATH 599 VAR. CREDITS</td>
<td>*</td>
<td>SEE DEPT FOR REFERENCE NUMBERS</td>
</tr>
<tr>
<td>SEMINAR MATH 610 VAR. CREDITS</td>
<td></td>
<td>Note: Course only offered for 2 credits summer 2018</td>
</tr>
<tr>
<td>5231005 LH ARRANGED MEETS: JUNE 11-AUG 3</td>
<td></td>
<td></td>
</tr>
<tr>
<td>RESEARCH MATH 699 VAR. CREDITS</td>
<td>*</td>
<td>SEE DEPT FOR REFERENCE NUMBERS</td>
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</table>

### MECHANICAL ENGINEERING

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
<th>Notes</th>
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</thead>
<tbody>
<tr>
<td>ENGR THERMODYNMS I M E 231</td>
<td>3</td>
<td>Prereq: M E 270, E M 324, MAT 273, M E 324L</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Note: Credit for either M E 231 or M E 330, but not both, may apply</td>
</tr>
<tr>
<td></td>
<td></td>
<td>toward graduation.</td>
</tr>
<tr>
<td>4878005 A MTWRF 7:30-8:15</td>
<td></td>
<td>MEETS: MAY 14-JUNE 22</td>
</tr>
<tr>
<td>MFG ENGINEERING LAB M E 324L</td>
<td>1</td>
<td>Prereq: M E 270, E M 273</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Note: Course restricted to M E, A E majors only</td>
</tr>
<tr>
<td>4270005 1 TR 1:20-3:45</td>
<td></td>
<td>MEETS: MAY 14-JUNE 22</td>
</tr>
<tr>
<td>MEC COMPONENT DSGN M E 325</td>
<td>3</td>
<td>Prereq: M E 170, E M 324, STAT 305</td>
</tr>
<tr>
<td>6287005 A MTWRF 7:30-8:15</td>
<td></td>
<td>MEETS: MAY 14-JUNE 22</td>
</tr>
<tr>
<td>ENGR THERMODYNMS II M E 332</td>
<td>3</td>
<td>Prereq: M E 231</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Note: Course restricted to M E majors only</td>
</tr>
<tr>
<td>4878005 1 T R 12:10-1:30</td>
<td></td>
<td>MEETS: JUNE 15-AUG 3</td>
</tr>
<tr>
<td>4878600 XE ARRANGED MEETS: JUNE 11-AUG 3</td>
<td></td>
<td></td>
</tr>
<tr>
<td>FLUID FLOW M E 335</td>
<td>4</td>
<td>Prereq: E M 345, MATH 266 or MATH 267, credit or enrollment in M E 332</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Note: Course restricted to M E majors only</td>
</tr>
<tr>
<td>5703005 1 MTWRF 11:00-12:20</td>
<td></td>
<td>TR 2:30-4:55</td>
</tr>
<tr>
<td></td>
<td></td>
<td>MEETS: MAY 14-JUNE 22</td>
</tr>
<tr>
<td>5703010 2 MTWRF 11:00-12:20</td>
<td></td>
<td>WF 2:30-4:55</td>
</tr>
<tr>
<td></td>
<td></td>
<td>MEETS: MAY 14-JUNE 22</td>
</tr>
<tr>
<td>5703015 3 MTWRF 11:00-12:20</td>
<td></td>
<td>MW 8:00-10:25</td>
</tr>
<tr>
<td></td>
<td></td>
<td>MEETS: MAY 14-JUNE 22</td>
</tr>
<tr>
<td>ENGINEERING DYNAMICS M E 345</td>
<td>3</td>
<td>Prereq: M E 345</td>
</tr>
<tr>
<td>9967600 XE ARRANGED MEETS: MAY 14-JULY 6</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Note: Limited to degree-seeking undergraduates majoring in the college of engineering.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>CREDITS WILL USE DEPARTMENTAL PERMISSION. Section XE is off campus.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Course delivery is WWW</td>
<td></td>
<td></td>
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</table>
### MECHANICAL ENGINEERING (CONTINUED)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
<th>Prerequisites</th>
</tr>
</thead>
<tbody>
<tr>
<td>E E 442, Starr 305</td>
<td>ENGRNG MEASUREMTS M E 370</td>
<td>3</td>
<td>Course Restricted to M E Majors Only</td>
</tr>
<tr>
<td>4881005</td>
<td>1 MTWR 9:50-10:50</td>
<td>MEETS: May 14-June 22</td>
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<tr>
<td>6310005</td>
<td>1 MTWR 12:10-1:30</td>
<td>MEETS: May 14-June 22</td>
<td></td>
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<tr>
<td>6310010</td>
<td>2 MTWR 12:10-1:30</td>
<td>TR 2:30-4:45</td>
<td></td>
</tr>
<tr>
<td>6310015</td>
<td>3 MTWR 12:10-1:30</td>
<td>TR 5:00-7:25PM</td>
<td></td>
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</tbody>
</table>

**Summer Internship M E 396 R Credit**

*Prereq: Permission of Engineering Career Services*

**Research M E 699 Var. Credits**

*Prereq: Senior Classification*

### MECHANICAL ENGINEERING (CONTINUED)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
<th>Prerequisites</th>
</tr>
</thead>
<tbody>
<tr>
<td>M E 690Q Var. Credits</td>
<td>ADV TOP LIT INVESTG M E 690Q</td>
<td>4</td>
<td>Permission of Department and Engineering</td>
</tr>
<tr>
<td>M E 690O Var. Credits</td>
<td>ADV TOP ENGR COMPUT M E 690O</td>
<td>4</td>
<td>Permission of Department and Engineering</td>
</tr>
<tr>
<td>M E 690P Var. Credits</td>
<td>ADV TOP LIT INVESTG M E 690P</td>
<td>4</td>
<td>Permission of Department and Engineering</td>
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</table>

### MINEING

<table>
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<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
<th>Prerequisites</th>
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</thead>
<tbody>
<tr>
<td>M E 590Z</td>
<td>SPL TP SIMUL&amp;VISUAL M E 590Z</td>
<td>1-8</td>
<td>Permission of Department and Engineering</td>
</tr>
<tr>
<td>M E 590W</td>
<td>SPL TP DS&amp;MFG INNOV M E 590W</td>
<td>1-8</td>
<td>Permission of Department and Engineering</td>
</tr>
<tr>
<td>M E 590V</td>
<td>SPL TP CL ENRGY TC M E 590V</td>
<td>1-8</td>
<td>Permission of Department and Engineering</td>
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</table>

### METEOROLOGY

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
<th>Prerequisites</th>
</tr>
</thead>
<tbody>
<tr>
<td>MTEOR 206</td>
<td>INTRO WEATHER&amp;CLIMT MTEOR 206</td>
<td>3</td>
<td>Permission of Department and Engineering</td>
</tr>
<tr>
<td>MTEOR 321</td>
<td>COOPERATIVE EDUCA CN MTEOR 321</td>
<td>1-2</td>
<td>Permission of Department and Engineering</td>
</tr>
<tr>
<td>MTEOR 321</td>
<td>INDEP STUDY HONORS M E 490H</td>
<td>1-6</td>
<td>Senior Classification</td>
</tr>
<tr>
<td>MTEOR 490A</td>
<td>INDEP STUDY PHYSICAL MTEOR 490A</td>
<td>1-3</td>
<td>Senior Classification</td>
</tr>
<tr>
<td>MTEOR 490B</td>
<td>INDEP STUDY DYNAMIC MTEOR 490B</td>
<td>1-3</td>
<td>Senior Classification</td>
</tr>
<tr>
<td>MTEOR 490C</td>
<td>INDEP STUDY SYNOPTIC MTEOR 490C</td>
<td>1-3</td>
<td>Senior Classification</td>
</tr>
<tr>
<td>MTEOR 490D</td>
<td>INDEP STUDY INSTRUMENTN MTEOR 490D</td>
<td>1-3</td>
<td>Senior Classification</td>
</tr>
</tbody>
</table>

**Summer Internship MTEOR 490F 1-3 Credits**

*Prereq: Permission of Department and Engineering*
MICROBIOLOGY

BIOL MICROORGANISMS MICRO 302  3 CREDITS
Prereq: BIOL 211, CREDIT OR ENROLLMT IN BIOL 212; ONE SEMESTER OF CHEMISTRY
1426005  A ARRANGED
MEETS: MAY 14-JULY 6
Note: Course delivery is WWW

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 USED TOWARD THE TOTAL OF 12 CREDITS REQUIRED FOR GRADUATION
*******  SEE DEPT FOR REFERENCE NUMBERS
<table>
<thead>
<tr>
<th>Course Title</th>
<th>CRN</th>
<th>Credits</th>
<th>Prerequisites</th>
</tr>
</thead>
<tbody>
<tr>
<td>Applied Music Piano Music 118B 1-2 CREDITS</td>
<td></td>
<td></td>
<td>Prereq: AUDITION, PERMISSION OF INSTRUCTOR</td>
</tr>
<tr>
<td>Applied Music Strings Music 118D 1-2 CREDITS</td>
<td></td>
<td></td>
<td>Prereq: AUDITION, PERMISSION OF INSTRUCTOR</td>
</tr>
<tr>
<td>Applied Music Woodwind Music 118F 1-2 CREDITS</td>
<td></td>
<td></td>
<td>Prereq: AUDITION, PERMISSION OF INSTRUCTOR</td>
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<tr>
<td>Applied Music Carillon Music 119E 1-3 CREDITS</td>
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<td>Prereq: AUDITION, PERMISSION OF INSTRUCTOR</td>
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<tr>
<td>Applied Music Woodwind Music 119F 1-3 CREDITS</td>
<td></td>
<td></td>
<td>Prereq: AUDITION, PERMISSION OF INSTRUCTOR</td>
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<tr>
<td>Applied Music Brass Music 119G 1-3 CREDITS</td>
<td></td>
<td></td>
<td>Prereq: AUDITION, PERMISSION OF INSTRUCTOR</td>
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<tr>
<td>Applied Music Piano Music 219B 1-3 CREDITS</td>
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<td>Prereq: AUDITION, PERMISSION OF INSTRUCTOR</td>
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<tr>
<td>Applied Music Strings Music 219D 1-3 CREDITS</td>
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<td>Prereq: AUDITION, PERMISSION OF INSTRUCTOR</td>
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<tr>
<td>Applied Music Carillon Music 219E 1-3 CREDITS</td>
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<td></td>
<td>Prereq: AUDITION, PERMISSION OF INSTRUCTOR</td>
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<tr>
<td>Applied Music Woodwind Music 219F 1-3 CREDITS</td>
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<td></td>
<td>Prereq: AUDITION, PERMISSION OF INSTRUCTOR</td>
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<tr>
<td>Applied Music Brass Music 219G 1-3 CREDITS</td>
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<td></td>
<td>Prereq: AUDITION, PERMISSION OF INSTRUCTOR</td>
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<tr>
<td>Special Prob Education Music 290A VAR. CREDITS</td>
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<td></td>
<td>Prereq: PERMISSION OF INSTRUCTOR; 12 CREDITS IN MUSIC, APPROVAL OF DEPARTMENT CHAIR</td>
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</tbody>
</table>
MUSIC (CONTINUED)

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 MIXED MUSIC 321J 1 CREDIT
Prereq: ADVANCED PROFICIENCY AND PERFORMING
ABILITY, PERMISSION OF INSTRUCTOR.
******* SEE DEPT FOR REFERENCE NUMBERS

LIT & PEDAGOGY VOICE MUSIC 415A 1- 4 CREDITS
Prereq: PERMISSION OF INSTRUCTOR.
LIT & PEDAGOGY PIANO MUSIC 415B 1- 4 CREDITS
Prereq: PERMISSION OF INSTRUCTOR.
LIT & PEDAG STRINGS MUSIC 415D 1- 4 CREDITS
Prereq: PERMISSION OF INSTRUCTOR.
LIT & PEDAG WOODWIND MUSIC 415F 1- 4 CREDITS
Prereq: PERMISSION OF INSTRUCTOR.

APPLIED MUSIC VICE MUSIC 419A 1- 3 CREDITS
Prereq: AUDITION, INST FERMN, MUSIC MAJORS ONLY
Note: COURSE ONLY OFFERED FOR 1-2 CREDITS SUMMER 2018
******* SEE DEPT FOR REFERENCE NUMBERS

APPLIED MUSIC PIANO MUSIC 419B 1- 3 CREDITS
Prereq: AUDITION, INST FERMN, MUSIC MAJORS ONLY
Note: COURSE ONLY OFFERED FOR 1-2 CREDITS SUMMER 2018
Applied Music fee $150.00-$190.00
******* SEE DEPT FOR REFERENCE NUMBERS

APPLIED MUSIC CARILLON MUSIC 419E 1- 3 CREDITS
Prereq: AUDITION, INST FERMN, MUSIC MAJORS ONLY
Note: COURSE ONLY OFFERED FOR 1-2 CREDITS SUMMER 2018
Applied Music fee $150.00-$190.00
******* SEE DEPT FOR REFERENCE NUMBERS

APPLIED MUSIC WOODWIND MUSIC 419F 1- 3 CREDITS
Prereq: AUDITION, INST FERMN, MUSIC MAJORS ONLY
Note: COURSE ONLY OFFERED FOR 1-2 CREDITS SUMMER 2018
Applied Music fee $150.00-$190.00
******* SEE DEPT FOR REFERENCE NUMBERS

APPLIED MUSIC BRASS MUSIC 419G 1- 3 CREDITS
Prereq: AUDITION, INST FERMN, MUSIC MAJORS ONLY
Note: COURSE ONLY OFFERED FOR 1-2 CREDITS SUMMER 2018
Applied Music fee $150.00-$190.00
******* SEE DEPT FOR REFERENCE NUMBERS

INDEPENDENT STUDY MUSIC 490A VAR. CREDITS
Prereq: PERMISSION OF DEPARTMENT MENTOR.
Note: Instructor permission required 1st week.
******* SEE DEPT FOR REFERENCE NUMBERS

INDEPENDENT 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

INDEPENDENT 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

NATURAL RESOURCE ECOLOGY AND MGMT

INTERNSHIP NREM 303 1- 3 CREDITS
Prereq: PERMISSION OF DEPARTMENT MENTOR,
SOLOMOR STANDING.
******* SEE DEPT FOR REFERENCE NUMBERS

IND STDY ANIMAL ECO NREM 490A 1- 4 CREDITS
Prereq: JR OR SR CLASSIFICATION, INSTRUCTOR PERMISSION
Note: Instructor permission required 1st week.
******* SEE DEPT FOR REFERENCE NUMBERS

IND STDY FORESTRY NREM 490B 1- 4 CREDITS
Prereq: JR OR SR CLASSIFICATION, INSTRUCTOR PERMISSION
Note: Instructor permission required 1st week.
******* SEE DEPT FOR REFERENCE NUMBERS

IND STDY STUDY HONORS NREM 490H VAR. CREDITS
Prereq: PERMISSION OF DEPARTMENT CHAIR.
Note: Instructor permission required 1st week.
******* SEE DEPT FOR REFERENCE NUMBERS

UG INDEPENDENT STUDY IA LL NREM 490I 1- 4 CREDITS
Prereq: JR OR SR CLASSIFICATION AND PERMISSION OF
INSTRUCTOR.
Note: Permission of Lakeside Lab Office required
http://www.continuelearn.uiowa.edu/lakesidelab
MEETS: MAY 14-JUNE 8
8987005 1 ARRANGED
8987010 2 ARRANGED
Note: Tuition Category: Iowa Lakeside Lab
NATURAL RESOURCE ECOLOGY AND MGMT  (CONTINUED)

DOMESTIC TRAVEL  NREM 496B  1- 5 CREDITS
Prereq: PERMISSION OF INSTRUCTOR
MEETS: JUNE 11-15
Note: SECTION 1 OFFERED FOR 3 CREDITS. TOPIC: WILDLIFE POPULATION METHODS, MEETS IN MONTANA. ROUND TRIP TRANSPORTATION FROM AMES TO CAMP. Instructor permission required.
Materials, field trips &/or travel fee $300.00-$1,200.00
2597005  1 ARRANGED  RENZT M
MEETS: JUNE 9-14
Note: IN AN NREM MAJOR, PERMISSION OF INSTRUCTOR
2597010  2 ARRANGED  WOLTER P
MEETS: JUNE 9-24
Note: SECTION 2 OFFERED FOR 2 CREDITS. TOPIC: FOREST FIRE MONITORING. MEETS IN MONTANA. ROUND TRIP TRANSPORTATION FROM AMES TO CAMP.
Instructor permission required.
Materials, field trips &/or travel fee $300.00-$1,200.00
2597015  3 ARRANGED  SCHILZET J
MEETS: JULY 7-15
Note: SECTION 3 OFFERED FOR 2 CREDITS. TOPIC: WILDLIFE POPULATION MANAGEMENT, MEETS IN MONTANA. ROUND TRIP TRANSPORTATION FROM AMES TO CAMP.
Instructor permission required.
Materials, field trips &/or travel fee $300.00-$1,200.00
2597020  4 ARRANGED  MAY 26-JUNE 10
Note: SECTION 4 OFFERED FOR 2 CREDITS. TOPIC: WILDLIFE POPULATION MANAGEMENT, MEETS IN MONTANA. ROUND TRIP TRANSPORTATION FROM AMES TO CAMP.
Instructor permission required.
Materials, field trips &/or travel fee $300.00-$1,200.00
2597025  5 ARRANGED  AUG 6-24
Note: SECTION 5 OFFERED FOR 2 CREDITS. TOPIC: ENDANGERED SPECIES MANAGEMENT, MEETS IN MONTANA. ROUND TRIP TRANSPORTATION FROM AMES TO CAMP.
Instructor permission required.
Materials, field trips &/or travel fee $300.00-$1,200.00
SPL TOPICS 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
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
TEACHING PRACTICUM  NREM 698  1 CREDIT
Satisfactory-Fail Only.
****** SEE DEPT FOR REFERENCE NUMBERS
RESEARCH  NREM 699  1-12 CREDITS
Note: COURSE ONLY OFFERED FOR 1-9 CREDITS SUMMER 2018
****** SEE DEPT FOR REFERENCE NUMBERS
NEUROSCIENCE
RESEARCH  NEURO 699  VAR. CREDITS
****** SEE DEPT FOR REFERENCE NUMBERS
NUCLEAR ENGINEERING
NUCLR RAD THRY&ENGR  NUC E 401  3 CREDITS
Prereq: FYS 222, MAT 266 OR MAT 267
7741600  XE ARRANGED  MAXWELL G
Note: Section XE is off campus
Course delivery is WWW
INDEPENDENT STUDY  NUC E 490  1- 3 CREDITS
Prereq: JUNIOR CLASSIFICATION
****** SEE DEPT FOR REFERENCE NUMBERS
NUTRITIONAL SCIENCES
SHORT COURSE  NUTRS 505  1 CREDIT
Prereq: PERMISSION OF INSTRUCTOR
7836005  1 MTWRF 10:00-12:00
MEETS: JUNE 11-15
NUTRITIONAL SCIENCES  (CONTINUED)
RESEARCH NUTRITNL SCI NUTRS 699  VAR. CREDITS
Satisfactory-Fail Only.
****** SEE DEPT FOR REFERENCE NUMBERS
ORGANIZATION FOR TROPICAL STUDIES
ECO TROPICAL BIOGY OTS 510  8 CREDITS
2597005  ARRANGED
Note: IF A STUDENT ENROLLED IN 111 FOR SPRING 2018
GENERAL PHYSICS PHYS 111  5 CREDITS
Prereq: 1 AND 1/2 YRS OF HS ALGEBRA, 1 YR OF GEOMETRY, 1 SEMESTER TRIGONOMETRY
If a student enrolled in 111 for spring 2018
Note: If a student enrolled in 111 for spring 2018
REGISTER FOR 111 FOR SUMMER 2018 BEFORE SPRING 2018
ENDS, THE SUMMER TERM ENROLLMENT WILL BE DROPPED FROM THE STUDENT’S SCHEDULE
5857005  1 MTWRF 12:10-1:10
WRF 9:50-10:50
MN 7:30-9:30
MEETS: JUNE 11-Aug 3
Note: Materials and professional support fee $90.00
5854010  2 MTWRF 12:10-1:10
WRF 11:00-12:00
MN 1:20-3:20
MEETS: JUNE 11-Aug 3
Note: Materials and professional support fee $90.00
PERFORMING ARTS
PERFORM ARTS SEMINAR PERF 401  2 CREDITS
3790005  ARRANGED
MEETS: MAY 14-JULY 6
PHILOSOPHY
MORAL THEOR&PRCTICE PHIL 230  3 CREDITS
5827005  A MTWRF 9:00-11:50
Note: COURSE ONLY OFFERED FOR 1-9 CREDITS SUMMER 2018
PHILOSOPHY OF LAW PHIL 332  3 CREDITS
Prereq: PHIL 201 OR PHIL 230
Note: Instructor permission required 1st week.
5836005  A MTWRF 8:40-10:40
MEETS: MAY 14-JUNE 8
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
INDEP STUDY HONORS PHIL 490H 1- 4 CREDITS
Prereq: 6 CREDITS IN PHIL, PERMISSION OF INSTRUCTOR
Note: COURSE RESTRICTED TO HONORS PROGRAM STUDENTS ONLY.
3891005  ARRANGED
MEETS: MAY 14-AUG 3
SPL TOPC HISTORY P PHIL 590A  2- 4 CREDITS
Prereq: INSTRUCTOR PERMISSION, 9 CR IN PHIL
5850005  ARRANGED
MEETS: MAY 14-AUG 3
SPL TOP ICIP&METAPH PHIL 590B  2- 4 CREDITS
Prereq: INSTRUCTOR PERMISSION, 9 CR IN PHIL
5851005  ARRANGED
MEETS: MAY 14-AUG 3
SPL TOP VALUE THRY PHIL 590C  2- 4 CREDITS
Prereq: INSTRUCTOR PERMISSION, 9 CR IN PHIL
Note: Instructor permission required.
5852005  ARRANGED
MEETS: MAY 14-AUG 3
SPL TOP LOGIC&SCI PHIL 590D  2- 4 CREDITS
Prereq: INSTRUCTOR PERMISSION
5853005  ARRANGED
MEETS: MAY 14-AUG 3
TCBS BIOETH ICWSHP PHIL 593  2 CREDITS
8900005  MTWRF 9:00-10:50
MEETS: JUNE 11-14
### Undergraduate Research (PHYS 450L)
- **Credits:** 1-6
- **Meeting Details:** JUNE 11-AUG 3
- **Note:** Materials and professional support fee $90.00

### Undergraduate Research (PHYS 450)
- **Credits:** 1-6
- **Meeting Details:** JUNE 11-AUG 3
- **Note:** Materials and professional support fee $90.00

### General Physics (PHYS 112)
- **Credits:** 5
- **Meeting Details:** JUNE 11-AUG 3
- **Note:** Prerequisites: PHYS 111, PERMISSION OF INSTRUCTOR

### General Physics (PHYS 111)
- **Credits:** 5
- **Meeting Details:** JUNE 11-AUG 3
- **Note:** Prerequisites: PHYS 111, PERMISSION OF INSTRUCTOR

### Intraclass Physics I (PHYS 221)
- **Credits:** 5
- **Meeting Details:** JUNE 11-AUG 3
- **Note:** Prerequisites: PHYS 311, PERMISSION OF INSTRUCTOR

### Intraclass Physics II (PHYS 222)
- **Credits:** 5
- **Meeting Details:** JUNE 11-AUG 3
- **Note:** Prerequisites: PHYS 221 or PHYS 241, MATH 166

### Independent Study (PHYS 490)
- **Credits:** 1-4
- **Meeting Details:** JUNE 11-AUG 3
- **Note:** Instructor permission required 1st week.

### Cooperative Education (PHYS 498)
- **Credits:** R
- **Meeting Details:** JUNE 11-AUG 3

### Independent Study Honors (PHYS 490H)
- **Credits:** 1-4
- **Meeting Details:** JUNE 11-AUG 3
- **Note:** No more than 9 credits of PHYS 490 may be applied toward graduation.

### Special Topics (PL P 590)
- **Credits:** 1-3
- **Meeting Details:** JUNE 11-AUG 3
- **Note:** Instructor permission required 1st week.

### Honors Independent Study (PHYS 490)
- **Credits:** 1-4
- **Meeting Details:** JUNE 11-AUG 3
- **Note:** No more than 9 credits of PHYS 490 may be applied toward graduation.

### Political Science
- **Intraclass Govt & Pol (POL S 215)
- **Credits:** 3
- **Meeting Details:** JUNE 11-AUG 3
- **Note:** Section WM is off campus

### U.S. Foreign Policy (POL S 358)
- **Credits:** 3
- **Meeting Details:** MAY 14-JUNE 22

### Creative Component (PHYS 599)
- **Credits:** 1-4
- **Meeting Details:** JUNE 11-AUG 3
- **Note:** No more than 9 credits of PHYS 599 may be applied toward graduation.

### Political Science
- **Intraclass Govt & Pol (POL S 215)
- **Credits:** 3
- **Meeting Details:** JUNE 11-AUG 3
- **Note:** Section WM is off campus

---

### Plant Biology
- **Research (PLBIO 699)
- **Credits:** 1-3
- **Meeting Details:** JUNE 11-AUG 3
- **Note:** Instructor permission required.

---

### Plant Pathology
- **Independent Study (PL P 490A)
- **Credits:** 1-3
- **Meeting Details:** JUNE 11-AUG 3
- **Note:** No more than 6 credits of PL P 490 may be applied toward the total of 12 credits required for graduation.

---

### Honors Independent Study (PL P 490)
- **Credits:** 1-4
- **Meeting Details:** JUNE 11-AUG 3
- **Note:** No more than 9 credits of PL P 490 may be applied toward the total of 12 credits required for graduation. Course restricted to honors program students only.

---

### General Physics
- **Credits:** 5
- **Meeting Details:** JUNE 11-AUG 3
- **Note:** Prerequisites: PHYS 112 or PHYS 222

---

### General Physics
- **Credits:** 5
- **Meeting Details:** JUNE 11-AUG 3
- **Note:** Prerequisites: PHYS 112 or PHYS 222

---

### Field Plant Pathology (PL P 691)
- **Credits:** 2
- **Meeting Details:** JUNE 11-AUG 3
- **Note:** Prerequisites: PHYS 112 or PHYS 222

---

### Thesis/Diss Research (PL P 699)
- **Credits:** 1-4
- **Meeting Details:** JUNE 11-AUG 3
- **Note:** No more than 9 credits of PHYS 490 may be applied toward graduation.

---

### Geological Scies
- **Credits:** 5
- **Meeting Details:** JUNE 11-AUG 3
- **Note:** Section WM is off campus

---

### U.S. Foreign Policy (POL S 358)
- **Credits:** 3
- **Meeting Details:** MAY 14-JUNE 22
- **Note:** Section WM is off campus

---

### General Physics
- **Credits:** 5
- **Meeting Details:** JUNE 11-AUG 3
- **Note:** Prerequisites: PHYS 112 or PHYS 222

---

### General Physics
- **Credits:** 5
- **Meeting Details:** JUNE 11-AUG 3
- **Note:** Prerequisites: PHYS 112 or PHYS 222
### Political Science (Continued)

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<tr>
<td>ENVRN POLIT&amp;POLICI POL S 383</td>
<td>3 CREDITS</td>
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<tr>
<td>WOEN IN POLITICS POL S 385</td>
<td>3 CREDITS</td>
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<td>5983600 WR WRITING POL S 395</td>
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### Psychology

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<td>INTRO TO PSYCHOLOGY PSYCH 101</td>
<td>3 CREDITS</td>
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<tr>
<td>ACAD LEARNING SKILLS PSYCH 131</td>
<td>1 CREDIT</td>
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**Note:** Instructor permission required for all courses. Please check the undergraduate study section of the catalog for details.
<table>
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<tr>
<td>PSY 230</td>
<td>Developmental Psychology</td>
<td>3</td>
<td>PSY 101</td>
<td>Satisfactory-Fail Only.</td>
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<tr>
<td>PSY 492A</td>
<td>Field Practicum: Human Services</td>
<td>3</td>
<td>PSY 12</td>
<td>Satisfactory-Fail Only.</td>
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<td>PSY 492B</td>
<td>Field Practicum: I/O</td>
<td>3</td>
<td>PSY 12</td>
<td>Satisfactory-Fail Only.</td>
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<td>PSY 493</td>
<td>Research Practicum</td>
<td>3</td>
<td>PSY 12</td>
<td>Satisfactory-Fail Only.</td>
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<td>PSY 494</td>
<td>Independent Study</td>
<td>3</td>
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<td>PSY 495</td>
<td>Research Methods</td>
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<td>Brain &amp; Behavior</td>
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<td>PSY 497</td>
<td>Drugs &amp; Behavior</td>
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<td>3</td>
<td>PSY 12</td>
<td>Satisfactory-Fail Only.</td>
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<td>Research</td>
<td>1-3</td>
<td>PSY 12</td>
<td>Satisfactory-Fail Only.</td>
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<td>PSY 590A</td>
<td>Special Topics in Social Psychology</td>
<td>Var.</td>
<td>PSY 12</td>
<td>Satisfactory-Fail Only.</td>
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<td>PSY 590B</td>
<td>Special Topics in Cognitive Psychology</td>
<td>Var.</td>
<td>PSY 12</td>
<td>Satisfactory-Fail Only.</td>
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<td>PSY 590C</td>
<td>Special Topics in Counseling</td>
<td>Var.</td>
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**Public Relations**

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<tr>
<td>REL 205</td>
<td>Intro. World Religion</td>
<td>3</td>
<td>REL 101</td>
<td>Satisfactory-Fail Only.</td>
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<td>REL 206</td>
<td>Christian Theology</td>
<td>3</td>
<td>REL 120</td>
<td>Satisfactory-Fail Only.</td>
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<td>REL 207</td>
<td>Jewish Religion</td>
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<td>REL 120</td>
<td>Satisfactory-Fail Only.</td>
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<td>REL 208</td>
<td>World Religions</td>
<td>3</td>
<td>REL 120</td>
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**Religious Studies**

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<tr>
<td>REL 301</td>
<td>Introduction to Religions</td>
<td>3</td>
<td>REL 120</td>
<td>Satisfactory-Fail Only.</td>
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<td>REL 302</td>
<td>Advanced Topics in Religions</td>
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<td>REL 303</td>
<td>Philosophy of Religion</td>
<td>3</td>
<td>REL 120</td>
<td>Satisfactory-Fail Only.</td>
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<td>REL 304</td>
<td>Historical Theology</td>
<td>3</td>
<td>REL 120</td>
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<td>REL 305</td>
<td>Comparative Religions</td>
<td>3</td>
<td>REL 120</td>
<td>Satisfactory-Fail Only.</td>
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## Sociology (Continued)

### Sociology Problems
- **SOC 235** 3 CREDITS
  - **Prereq:** SOC 134
  - **Meetings:** JUNE 11-AUG 3
  - **Course Delivery:** WM

### Youth & Crime
- **SOC 241** 3 CREDITS
  - **Prereq:** SOC 134
  - **Meetings:** JUNE 11-AUG 3
  - **Course Delivery:** WM

### SOC Sci Rsrch MThDs
- **SOC 302** 3 CREDITS
  - **Prereq:** SOC 134; STAT 101; OR CONCURRENT ENROLLMENT IN STAT 101
  - **Meetings:** JULY 9-AUG 3
  - **Course Delivery:** WM

### Psychology: Soc Persp
- **SOC 305** 3 CREDITS
  - **Prereq:** SOC 134
  - **Meetings:** MAY 14-JUNE 6

### Politics & Society
- **SOC 333** 3 CREDITS
  - **Prereq:** A COURSE IN POLITICAL SCIENCE OR
  - **Sociology**
  - **Prereq:** SOC 134
  - **Meetings:** MAY 14-JUNE 6
  - **Course Delivery:** WM

### Deviant & Crime Behav
- **SOC 340** 3 CREDITS
  - **Prereq:** SOC 134 OR CJ ST 240
  - **Meetings:** JUNE 11-AUG 3
  - **Course Delivery:** WM

### Crime & Juvenile Justice
- **SOC 460** 3-12 CREDITS
  - **Prereq:** JR/SR CLASSIFICATION; PERMISSION OF THE CJ ST COORDINATOR; MAJOR OR MINOR IN CJ ST OR SOC
  - **Note:** NO MORE THAN 9 CREDITS OF SOC 460/JC ST 460 MAY BE APPLIED TOWARD GRADUATION.
  - **Course Delivery:** WM

### Religious Studies (Continued)

### Intro To Sociology
- **SOC 134** 3 CREDITS
  - **Note:** CREDIT FOR EITHER SOC 130 OR SOC 134, BUT NOT BOTH, MAY BE APPLIED TOWARD GRADUATION
  - **Prereq:** SOC 134
  - **Meetings:** MAY 14-JUNE 8
  - **Course Delivery:** WM

### Independent Study Honors Relig 490H
- **RELIG 490H** 1-3 CREDITS
  - **Note:** MEETS: MAY 14-JULY 6
  - **Course Delivery:** WM

### Independent Study
- **RELIG 490** 1-3 CREDITS
  - **Note:** See Dept for Reference Numbers
  - **Meetings:** MAY 14-JULY 6
  - **Course Delivery:** WM

---

## Research & Evaluation

### Special Topics
- **RESEV 590** 1-3 CREDITS
  - **Prereq:** Graduate Standing
  - **Meetings:** JUNE 11-JULY 6
  - **Course Delivery:** WM

### Supervised Field Experience
- **RESEV 591** 2-4 CREDITS
  - **Prereq:** Permission of Instructor
  - **Meetings:** JUNE 11-JULY 6
  - **Course Delivery:** WM

### Research
- **RESEV 699** Var. Credits
  - **Prereq:** Graduate Standing
  - **Meetings:** JUNE 11-JULY 6

---

## Russian

### Rus Stu Enlg Transl
- **RUS 370** 3 CREDITS
  - **Note:** Section XV is off campus

### Russia Today
- **RUS 375** 3 CREDITS
  - **Note:** Section XV is off campus

### 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.
  - **Course Delivery:** WM

---

## Sociology

### Intro To Sociology
- **SOC 134** 3 CREDITS
  - **Note:** CREDIT FOR EITHER SOC 130 OR SOC 134, BUT NOT BOTH, MAY BE APPLIED TOWARD GRADUATION
  - **Prereq:** SOC 134
  - **Meetings:** MAY 14-JUNE 8
  - **Course Delivery:** WM

---

### Independent Study
- **SOC 490** 1-3 CREDITS
  - **Note:** Section XV is off campus
  - **Course Delivery:** WM

---

## Sociology

### Intro To Sociology
- **SOC 134** 3 CREDITS
  - **Note:** CREDIT FOR EITHER SOC 130 OR SOC 134, BUT NOT BOTH, MAY BE APPLIED TOWARD GRADUATION
  - **Prereq:** SOC 134
  - **Meetings:** MAY 14-JUNE 8
  - **Course Delivery:** WM

### Independent Study
- **SOC 490** 1-3 CREDITS
  - **Note:** Section XV is off campus
  - **Course Delivery:** WM
LATIN AMERICA TODAY SPAN 324 3 CREDITS
Prereq: ONE SPAN COURSE AT THE 300 LEVEL
Note: Meets international perspectives reqmt
11000601 XW ARRANGED
RIZO E
MEETS: JUNE 25-AUG 3
Note: Section XW is off campus
Course delivery is WMM

STUDY ABROAD SPAN 395 1-10 CREDITS
Prereq: 2 YRS UNIV-LEVEL SPANISH OR EQUIVALENT
Note: Meets international perspectives reqmt
Department permission required.
6489025 R2 ARRANGED
MEETS: MAY 22-JULY 12
Note: SECTION R2 IS REGENTS STUDY ABROAD IN PERU.
OFFERED FOR 3 CREDITS.
Tuition Category: Regents Summer Study Abroad
6489030 R2 ARRANGED
MEETS: MAY 22-JULY 12
Note: SECTION R2 IS REGENTS STUDY ABROAD IN PERU.
OFFERED FOR 3 CREDITS.
Tuition Category: Regents Summer Study Abroad

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; PERMISSION OF ADVISER AND WORLD LANGUAGES AND CULTURES INTERNSHIP COORDINATOR
Note: COURSE ONLY OFFERED FOR 3 CREDITS SUMMER 2018.
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

SPL TOP SPANISH LIT SPAN 590A 1-4 CREDITS
Prereq: PERMISSION OF INSTRUCTOR; 6 CR 400-LEVEL SPAN
Note: COURSE ONLY OFFERED FOR 3 CREDITS SUMMER 2018
2572025 DB ARRANGED
MEETS: MAY 14-AUG 3
Note: Instructor permission required.

SPL TOP SPANISH LIT SPAN 590D 1-4 CREDITS
Prereq: PERMISSION OF INSTRUCTOR; 6 CR 400-LEVEL SPAN
Note: COURSE ONLY OFFERED FOR 3 CREDITS SUMMER 2018
5907025 P2 ARRANGED
MEETS: JULY 9-AUG 3

SPECIAL EDUCATION

INDEPENDENT STUDY SP ED 490 1-5 CREDITS
Prereq: 12 CR IN EL ED, PERMISSION OF DEPT CHAIR
Note: Department permission required 1st week.
****** SEE DEPT FOR REFERENCE NUMBERS

SPECIAL TOPICS SP ED 590 1-5 CREDITS
Prereq: 15 CRS IN EDUC
****** SEE DEPT FOR REFERENCE NUMBERS

SUPV FLD EXP BNV/DS SP ED 591K 1-6 CREDITS
Prereq: 15 GRAD CREDITS IN SPECIAL AREA;
ADMISSION TO GRAD PROGRAM IN SPECIAL EDUCATION
Note: COURSE RESTRICTED TO C I MAJORS ONLY
***** 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
****** SEE DEPT FOR REFERENCE NUMBERS

SPEECH COMMUNICATION

FUND PUBLIC SPEAKING SP CM 212 3 CREDITS
8643010 1 MTHR 8:40-10:40
MEETS: MAY 14-JUNE 8
Note: Materials and equipment use fee $25.00
8643015 2 MTHR 9:50-10:50
MEETS: MAY 14-JUNE 8
Note: Materials and equipment use fee $25.00
8643020 3 MTHR 11:00-1:00
MEETS: MAY 14-JUNE 8
Note: Materials and equipment use fee $25.00
8643025 4 MTHR 8:40-9:40
MEETS: MAY 14-JULY 6
Note: Materials and equipment use fee $25.00
8643030 5 MTHR 9:50-10:50
MEETS: MAY 14-JULY 6
Note: Materials and equipment use fee $25.00
8643035 6 MWF 11:10-11:50
MEETS: JUNE 11-AUG 3
Note: Materials and equipment use fee $25.00
STATISTICS

PRIN OF STATISTICS  STAT 101  4 CREDITS
Prereq: ONE AND A HALF YEARS OF R & S ALEGBRA
Note: CREDIT FOR ONLY ONE OF THE FOLLOWING MAY BE
APPLIED TOWARD GRADUATION: STAT 101, STAT 104,
STAT 105, STAT 201, STAT 226
6502005  A MTWRF 8:40-9:40
MT 9:50-11:50
MEETS: MAY 14-JULY 6
INTRO TO STATISTICS  STAT 104  3 CREDITS
Prereq: 1 & 1/2 YRS OF R & S ALEGBRA
Note: CREDIT FOR ONLY ONE OF THE FOLLOWING MAY BE
APPLIED TOWARD GRADUATION: STAT 101, STAT 104,
STAT 105, STAT 201, STAT 226
6503005  A MWF 8:40-9:40
TF 10:30-11:30
MEETS: MAY 14-JULY 6
INTRO STAT FOR ENGR  STAT 105  3 CREDITS
Prereq: MATH 165 (OR MATH 165H)
Note: CREDIT FOR EITHER STAT 105 OR STAT 305, BUT NOT
BOTH, MAY BE APPLIED TOWARD GRADUATION
6504600  XW ARRANGED
MEETS: MAY 14-JULY 6
Note: Section XW is off campus
Course delivery is WWW

INDEPENDENT STUDY  STAT 490  1-4 CREDITS
Prereq: Permission of Program Chair
Note: No credit in SP CM 490 may be applied toward the
minor. No credits in SP CM 490 may be applied toward the
minor.
6523005  MTWRF 11:00-12:50
MEETS: MAY 14-JULY 6
STAT THEORY FOR RES  STAT 447  4 CREDITS
Prereq: MATH 151 AND INSTR PERMISSN, OR MATH 265
Instructor permission required 1st week.
Note: Credit for only one of the following courses
may be applied toward graduation: STAT 301, STAT 326,
STAT 447. CREDIT FOR ONLY ONE OF THE FOLLOWING
courses may be applied toward graduation.
6514005  MTWRF 8:40-9:40
MR 9:50-11:50
MEETS: MAY 14-JULY 6
Note: Section for biological and physical sciences
instructor permission required 1st week.

SPECL TOPICS METHODS  STAT 590B  VAR. CREDITS
Prereq: 18 CREDITS IN STATISTICS
Note: CREDIT FOR EITHER STAT 105 OR STAT 305, BUT NOT
BOTH, MAY BE APPLIED TOWARD GRADUATION
6557005  ARRANGED
MEETS: MAY 14-AUG 3

STATISTICS (CONTINUED)

ENGINEERING STAT  STAT 305  3 CREDITS
Prereq: MATH 165 (OR MATH 165H)
Note: CREDIT FOR EITHER STAT 105 OR STAT 305, BUT NOT
BOTH, MAY BE APPLIED TOWARD GRADUATION
6509005  A MTWRF 9:50-10:50
MEETS: MAY 14-JULY 6
Note: Instructor permission required 1st week.

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 447. CREDIT FOR ONLY ONE OF THE FOLLOWING
courses may be applied toward graduation.
6510005  A MWF 8:40-9:40
TF 9:40-10:40
MEETS: MAY 14-JULY 6

PROBAB&STAT COM SCI  STAT 330  3 CREDITS
Prereq: MATH 166
Note: Instructor permission required 1st week.
7372005  A MTWRF 9:50-10:50
MEETS: MAY 14-JULY 6

COOPERATIVE EDUCATN  STAT 398  R CREDIT
Prereq: Permission of Department Chair
Note: Satisfactory-Fail Only.
1530005  ARRANGED
MEETS: MAY 14-AUG 3

STAT THEORY FOR RES  STAT 447  4 CREDITS
Prereq: MATH 151 AND INSTR PERMISSN, OR MATH 265
Note: Credit for either STAT/MATH 341 or STAT 447,
but not both, may be applied toward graduation.
6514005  MTWRF 8:40-9:40
MR 9:50-11:50
MEETS: MAY 14-JULY 6
Note: Section for biological and physical sciences
instructor permission required 1st week.

SUPPLY CHAIN MANAGEMENT

SPECL TOPICS METHODS  SCM 301  3 CREDITS
Prereq: ECON 101, STAT 226
1629005  A1 TR 12:10-2:10
ARRANGED
MEETS: MAY 14-JUNE 8
Note: Section A1 Restricted to acct, AG B, AG SO,
AGT, BUS S, BUS U, BUSEC, ENTSP, FIN, I TEC, MGMT, MIS, MGT,
MKT, MKT, P BUS, SCM. Section A2 is a hybrid course that will meet in a classroom

TECHNOLOGY SYSTEMS MANAGEMENT (CONTINUED)

IND STDY MANUFACTRG TSM 4901 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 OF 128 CREDITS REQUIRED FOR GRADUATION
Department permission required.

**** SEE DEPT FOR REFERENCE NUMBERS

IND STDY BIOSYS MGT TSM 4903 1-4 CREDITS
Prereq: JUNIOR OR SENIOR CLASSIF, INSTRUCTOR PERMISSION, COMPLETION OF INDEPENDENT STUDY CONTRACT AND APPROVAL BY DEPARTMENT
Note: PERMISSION OF DEPARTMENT REQUIRED TO ADD. PROCESS APPROVED ADD SLIP IN 10 ENROLLMENT SERVICES CENTER. NO MORE THAN 4 CREDITS OF TSM 490 MAY BE USED TOWARD THE TOTAL OF 128 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 OF 128 CREDITS REQUIRED FOR GRADUATION
Department permission required.

**** SEE DEPT FOR REFERENCE NUMBERS

SUSTAINABLE AGRICULTURE

SPECIAL TOPICS SUSAG 590 1-3 CREDITS
Prereq: GRADUATE CLASSIFICATION, PERMISSION

CREATIVE COMPONENT SUSAG 599 VAR. CREDITS

RESEARCH SUSAG 699 VAR. CREDITS

SUSTAINABLE ENVIRONMENTS

SPECIAL TOPICS TSM 590 1-3 CREDITS
Prereq: GRAD CLASSIFICATION, PERMISSION

SPL TOP OCCUP SAFET TSM 590D 1-4 CREDITS
Prereq: JUNIOR OR SENIOR CLASSIF, INSTRUCTOR PERMISSION, COMPLETION OF INDEPENDENT STUDY CONTRACT AND APPROVAL BY DEPARTMENT
Note: PERMISSION OF DEPARTMENT REQUIRED TO ADD. PROCESS APPROVED ADD SLIP IN 10 ENROLLMENT SERVICES CENTER. NO MORE THAN 4 CREDITS OF TSM 490 MAY BE USED TOWARD THE TOTAL OF 128 CREDITS REQUIRED FOR GRADUATION
Department permission required.

**** SEE DEPT FOR REFERENCE NUMBERS

STUDY ABROAD TSM 496 1-4 CREDITS
Prereq: PERMISSION OF INSTRUCTOR
Note: Meets international perspectives reqmtn

TECHNOLOGY INTERNSHIP TSM 397 3 CREDITS
Prereq: AT LEAST 45 CREDITS OF COURSEWORK, CLASSIFICATION IN AFT OR I TEC MAJOR, APPROVAL OF INTERNSHIP COORDINATOR
Satisfactory-Fail Only.

**** SEE DEPT FOR REFERENCE NUMBERS

WORK EXPRENCE TCHNL 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

**** SEE DEPT FOR REFERENCE NUMBERS

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: NO MORE THAN 4 CREDITS OF TSM 490 MAY BE USED TOWARD THE TOTAL OF 128 CREDITS REQUIRED FOR GRADUATION
Department permission required.

**** SEE DEPT FOR REFERENCE NUMBERS

CURIOSITY FAC ENGR TSM 567 3 CREDITS
Prereq: PERMISSION OF INSTRUCTOR
### TECHNOLOGY SYSTEMS MANAGEMENT

#### TECHNOLOGY INTERNSHIP
- **Course Code:** TSM 697
- **Credits:** 3
- **Prereq:** Permission of Major Professor and Approval by Department Chair, Grad Classification
- **Department:** Technology Systems Management
- **Notes:** Satisfactory-Fail Only. 4646005 Arranged. Meets: May 14-Aug 3.

#### DOCTORAL TEACH COMM
- **Course Code:** TSM 698
- **Credits:** 1
- **Prereq:** Permission of Instructor
- **Department:** Technology Systems Management
- **Notes:** Satisfactory-Fail Only. 1926005 Arranged. Meets: May 14-Aug 3.

### URBAN DESIGN

#### URBAN DESIGN
- **Course Code:** UTD 502
- **Credits:** 6
- **Prereq:** Graduate Standing, or Senior Classification with Instructor Permission
- **Department:** Urban Design
- **Notes:** Permission of Associate Provost for Undergraduate Programs Required. Process Approved Add Slip in 10 Enrl Sc.

### TOXICOLOGY

#### TOXICOLOGY SEMINAR
- **Course Code:** TOX 504
- **Credits:** 1
- **Prereq:** Permission of Instructor
- **Department:** Toxicology
- **Notes:** 7126005 Arranged. Meets: May 14-Aug 3.

#### CLIN & DIAGNOSIS TOXIC
- **Course Code:** TOX 546
- **Credits:** 3
- **Prereq:** D.V.M. Degree or VDPAM 526

### TRANSPORTATION

#### CREATING COMPONENT
- **Course Code:** TRANS 599
- **Credits:** 3
- **Prereq:** Pre-Enrollment Contract Required
- **Notes:** 4160005 Arranged. Meets: May 14-Aug 3.

### U.S. LATINO/A STUDIES

#### INTR U.S. LATINO ST
- **Course Code:** US 211
- **Credits:** 3
- **Prereq:** Note: Meets U.S. diversity reqmt
- **Notes:** 2890600 XW Arranged. Meets: May 14-June 8. Course delivery is WWM.

#### CIV RIGHTS & ETH PWR
- **Course Code:** US 473
- **Credits:** 3
- **Prereq:** Sophomore Classification
- **Notes:** Note: Meets U.S. diversity reqmt
- **Department:** U.S. Latino/A
- **Notes:** 3864600 XW Arranged. Meets: June 11-July 6. Course delivery is WWM.

### VET DIAGNOSTIC & PRODUCTION AN MED

#### PRECP: MD X AN MED
- **Course Code:** VDPAM 420A
- **Credits:** 6
- **Prereq:** Pre-Enrollment Contract Required
- **Notes:** 2070005 Arranged. Precep Prod An: Govt

#### PRECP: MD X AN MED
- **Course Code:** VDPAM 420B
- **Credits:** 6
- **Prereq:** Pre-Enrollment Contract Required
- **Notes:** 5207005 Arranged. Precep Prod An: Govt

#### FOOD AND ANIMAL MEDICS
- **Course Code:** VDPAM 477
- **Credits:** 2
- **Prereq:** Note: Course Restricted to VM 4 Students Only
- **Notes:** 8725005 MTWRF 8:00-5:00.

#### ANIM WELFARE CLINIC
- **Course Code:** VDPAM 451
- **Credits:** 2
- **Prereq:** Pre-Enrollment Contract Required
- **Notes:** 4334005 Arranged. Anim Welfare Clinic

#### THERIOGENOL: FD ANIM
- **Course Code:** VDPAM 471
- **Credits:** 2
- **Prereq:** Pre-Enrollment Contract Required
- **Notes:** 6694005 MTWRF 8:00-5:00.

#### FOOD ANIMAL MEDICS
- **Course Code:** VDPAM 476
- **Credits:** 2
- **Prereq:** Pre-Enrollment Contract Required
- **Notes:** 8725005 MTWRF 8:00-5:00.

#### FIRST-YR SEM I: APEX
- **Course Code:** U ST 101F
- **Credits:** 1
- **Prereq:** Acceptance/Participation in APEX Program
- **Notes:** Pre-Enrollment Contract Required Only

### UNIVERSITY STUDIES

#### INDEPENDENT STUDY
- **Course Code:** U ST 490 Var. Credits
- **Prereq:** Permission of the Associate Provost
- **Notes:** See Dept for Reference Numbers

#### THEATRE
- **Course Code:** THEATRE 110
- **Credits:** 3
- **Prereq:** Note: Meets U.S. diversity reqmt
- **Notes:** 11303005 MTWR 8:40-9:40.

#### ADVANCED THEATRE PRACTICUM
- **Course Code:** THEATRE 490
- **Credits:** 3
- **Prereq:** 9 Cr in Theatre Courses, Jr. Classification
- **Notes:** Special Topics Theatre 590 4-6 Credits. Research Theatre 699 1-6 Credits. MEETS: May 14-Aug 3. 4160005 Arranged. Creative Component Trans 599 1-3 Credits. Research Theatre 699 Var. Credits. MEETS: May 14-Aug 3.

#### INDEPENDENT STUDY
- **Course Code:** U ST 490
- **Credits:** Var.
- **Prereq:** Permission of the Associate Provost
- **Notes:** See Dept for Reference Numbers

#### THEATRE AND SOCIETY
- **Course Code:** THEATRE 110
- **Credits:** 3
- **Prereq:** Note: Meets U.S. diversity reqmt
- **Notes:** 11303005 MTWR 8:40-9:40.

#### ADVANCED THEATRE PRACTICUM
- **Course Code:** THEATRE 490
- **Credits:** 3
- **Prereq:** 9 Cr in Theatre Courses, Jr. Classification
- **Notes:** Special Topics Theatre 590 4-6 Credits. Research Theatre 699 1-6 Credits. MEETS: May 14-Aug 3. 4160005 Arranged. Creative Component Trans 599 1-3 Credits. Research Theatre 699 Var. Credits. MEETS: May 14-Aug 3.
**VETERINARY CLINICAL SCIENCES**

**ONCOLOGY**

V C S 409 2- 4 CREDITS
Prereq: FOURTH-YEAR CLASSIFICATION IN VET MED
Note: COURSE ONLY OFFERED FOR 2 CREDITS SUMMER 2018
9213005 MTRWF 8:00-5:00

**PRECEPTOR COMPAN, EQ**

V C S 419 2- 6 CREDITS
Prereq: FOURTH-YEAR CLASSIFICATION IN V MED,
PERMISSION OF DEPARTMENT CURRICULUM COMMITTEE
1664001 1 ARRANGED

**PRACTICUM**

V C S 420 R CREDIT
Prereq: FOURTH-YEAR CLASSIFICATION IN VET MED,
PERMISSION OF INSTRUCTOR
Satisfactory-Fail Only.
4546005 ARRANGED

**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 ARRANGED
Note: Permission of instructor required. Process Approved add slip in 2270A Vet Med.

**SM ANIML SHELTR MED**

V C S 437 2 CREDITS
Prereq: V C S 440, FOURTH-YEAR CLASSIFICATION IN V MED
7944005 MTRWF 8:00-5:00

**CANINE REHABILITATN**

V C S 441 2 CREDITS
Prereq: FOURTH-YEAR CLASSIFICATION IN VET MED
9234005 MTRWF 8:00-5:00

**CLINICAL NEUROLOGY**

V C S 446 2 CREDITS
Prereq: FOURTH-YEAR CLASSIFICATION IN VET MED
5112005 MTRWF 8:00-5:00

**CLINICL DERMATOLOGY**

V C S 452 2 CREDITS
Prereq: FOURTH-YEAR CLASSIFICATION IN VETERINARY MEDICINE.
MUST HAVE INSTRUCTOR PERMISION TO REPEAT
 THIS COURSE.
Note: COURSE RESTRICTED TO 4TH YEAR VET MED STUDENTS
1931005 MTRWF 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 4TH YEAR VET MED STUDENTS
6889005 MTRWF 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 4TH YEAR VET MED STUDENTS
6891005 MTRWF 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 4TH YEAR VET MED STUDENTS
6892005 MTRWF 8:00-5:00

**EQUINE MEDICINE**

V C S 457 2 CREDITS
Prereq: FOURTH-YEAR CLASSIFICATION IN V MED
Note: COURSE RESTRICTED TO 4TH YEAR VET MED STUDENTS
6894005 MTRWF 8:00-5:00

**EQUINE SURGERY**

V C S 458 2 CREDITS
Prereq: FOURTH-YEAR CLASSIFICATION IN V MED
Note: COURSE RESTRICTED TO 4TH YEAR VET MED STUDENTS
4050005 MTRWF 8:00-5:00

**SM AN OVERPOP OMAHA**

V C S 459A 2 CREDITS
Prereq: FOURTH-YEAR CLASSIFICATION IN V MED
1407001 MTRWF 8:00-5:00

**SM AN OVERPOP D.M.**

V C S 459B 2 CREDITS
Prereq: FOURTH-YEAR CLASSIFICATION IN V MED
4107001 MTRWF 8:00-5:00

**SM AN OVERPOP K.C.**

V C S 459C 2 CREDITS
Prereq: FOURTH-YEAR CLASSIFICATION IN V MED
4313015 ARRANGED

**SM AN OVERPOP BOULD**

V C S 459D 2 CREDITS
Prereq: FOURTH-YEAR CLASSIFICATION IN V MED
7337005 MTRWF 8:00-5:00

**SM AN OVERPOP ASHVL**

V C S 459E 2 CREDITS
Prereq: FOURTH-YEAR CLASSIFICATION IN V MED
7644005 MTRWF 8:00-5:00

**RADIOLOGY**

V C S 460 2 CREDITS
Prereq: FOURTH-YEAR CLASSIFICATION IN V MED
Note: COURSE RESTRICTED TO 4TH YEAR VET MED STUDENTS
6896005 MTRWF 8:00-5:00

**PRIMARY CARE**

V C S 463 2 CREDITS
Prereq: FOURTH-YEAR CLASSIFICATION IN V MED
Note: COURSE RESTRICTED TO 4TH YEAR VET MED STUDENTS
2322005 MTRWF 8:00-5:00

**EQUINE FIELD SERVIC**

V C S 464 2 CREDITS
Prereq: FOURTH-YEAR CLASSIFICATION IN V MED
Note: COURSE RESTRICTED TO 4TH YEAR VET MED STUDENTS
4247005 MTRWF 8:00-5:00

**FARRIER**

V C S 465 2 CREDITS
Prereq: FOURTH-YEAR CLASSIFICATION IN V MED
Note: COURSE RESTRICTED TO 4TH YEAR VET MED STUDENTS
7756005 MTRWF 8:00-5:00

**VET ANESTHESIOLOGY**

V C S 466 2 CREDITS
Prereq: FOURTH-YEAR CLASSIFICATION IN V MED
Note: COURSE RESTRICTED TO 4TH YEAR VET MED STUDENTS
6898005 MTRWF 8:00-5:00

**INTENSIVE CARE**

V C S 468 4 CREDITS
Prereq: FOURTH-YEAR CLASSIFICATION IN V MED
Note: COURSE RESTRICTED TO 4TH YEAR VET MED STUDENTS
6900005 MTRWF 8:00-5:00

**OPHTHALMOLOGY**

V C S 469 2 CREDITS
Prereq: FOURTH-YEAR CLASSIFICATION IN V MED
Note: COURSE RESTRICTED TO 4TH YEAR VET MED STUDENTS
6901005 MTRWF 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.

**SPECIAL TOPICS**

V C S 471S 2 CREDITS
Prereq: D.V.M. DEGREE OR V C S 456
Note: PERMISSION OF DEPARTMENT CHAIR.

**SM SMALL AN OVERPOP ASHVL**

V C S 471E 2 CREDITS
Prereq: D.V.M. DEGREE OR V C S 456
Note: PERMISSION OF DEPARTMENT CHAIR.

**SM SMALL AN OVERPOP BOULD**

V C S 471D 2 CREDITS
Prereq: D.V.M. DEGREE OR V C S 456
Note: PERMISSION OF DEPARTMENT CHAIR.

**SM SMALL AN OVERPOP OMAHA**

V C S 471A 2 CREDITS
Prereq: D.V.M. DEGREE OR V C S 456
Note: PERMISSION OF DEPARTMENT CHAIR.

**CLINICAL ANIMAL MED**

V C S 473 2 CREDITS
Prereq: D.V.M. DEGREE OR V C S 456
Note: PERMISSION OF DEPARTMENT CHAIR.

**ADV VET DIAGNOS LAB**

V C S 474 2 CREDITS
Prereq: D.V.M. DEGREE OR V C S 456
Note: PERMISSION OF DEPARTMENT CHAIR.

**EQUIPE ANIMAL MED II**

V C S 475 2 CREDITS
Prereq: D.V.M. DEGREE OR V C S 456
Note: PERMISSION OF DEPARTMENT CHAIR.

**CLINICAL ANIMAL MED III**

V C S 476 2 CREDITS
Prereq: D.V.M. DEGREE OR V C S 456
Note: PERMISSION OF DEPARTMENT CHAIR.

**CLINICAL ANIMAL MED IV**

V C S 477 2 CREDITS
Prereq: D.V.M. DEGREE OR V C S 456
Note: PERMISSION OF DEPARTMENT CHAIR.

**CLINICAL ANIMAL MED V**

V C S 478 2 CREDITS
Prereq: D.V.M. DEGREE OR V C S 456
Note: PERMISSION OF DEPARTMENT CHAIR.

**CLINICAL ANIMAL MED VI**

V C S 479 2 CREDITS
Prereq: D.V.M. DEGREE OR V C S 456
Note: PERMISSION OF DEPARTMENT CHAIR.

**CLINICAL ANIMAL MED VII**

V C S 480 2 CREDITS
Prereq: D.V.M. DEGREE OR V C S 456
Note: PERMISSION OF DEPARTMENT CHAIR.
VETERINARY CLINICAL SCIENCES (CONTINUED)

SML ANIM SURG ORTHO  V C S 473O  1 CREDIT
******  SEE DEPT FOR REFERENCE NUMBERS
SML ANIM SURG SOF TIS  V C S 473S  1 CREDIT
******  SEE DEPT FOR REFERENCE NUMBERS
VET CARDIOLOGY ROTAT  V C S 475  2 CREDITS
Prereq: FOURTH-YEAR CLASSIFICATION IN V MED
Note: Department permission required.
9128005  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
INTENSVCRTCL CARE  V C S 478  2 CREDITS
Prereq: FOURTH-YEAR CLASSIFICATION IN V MED
9816005  MTWRF 8:00-5:00
INDEPENDENT STUDY  V C S 490 VAR. CREDITS
Prereq: PERMISSION OF INSTRUCTOR
******  SEE DEPT FOR REFERENCE NUMBERS
INT'L PRECEPTORSHIP  V C S 496  1-12 CREDITS
Prereq: SECOND-YEAR CLASSIFICATION IN VET MED
Satisfactory-Fail Only.
6094005  ARRANGED
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 ANESTHESIO  V C S 590E  1-3 CREDITS
Prereq: PERMISSION OF INSTRUCTOR
Note: Instructor permission required.
******  SEE DEPT FOR REFERENCE NUMBERS
SPL TOP OPHTHALMOLGY  V C S 590F  1-3 CREDITS
Note: Instructor permission required.
******  SEE DEPT FOR REFERENCE NUMBERS
CREATIVE COMPONENT  V C S 599 VAR. CREDITS
Prereq: ENROLLMENT IN ADMISSIONS PROGRAM
******  SEE DEPT FOR REFERENCE NUMBERS
RESEARCH MEDICINE  V C S 699A VAR. CREDITS
******  SEE DEPT FOR REFERENCE NUMBERS
RESEARCH SURGERY  V C S 699B VAR. CREDITS
******  SEE DEPT FOR REFERENCE NUMBERS
RSCH ANESTHESIOLOGY  V C S 699E 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

PUBLIC HEALTH LAB  V MPM 486  2 CREDITS
Prereq: FOURTH-YEAR CLASSIFICATION IN V MED
6951005  MTWRF 8:00-12:00
MTWRF 2:00-5:00
INDEPENDENT STUDY  V MPM 490 VAR. CREDITS
Prereq: PERMISSION OF INSTRUCTOR AND DEPT CHAIR
Note: COURSE ONLY OFFERED FOR 1-5 CREDITS SUMMER 2018
Permission of instructor required. Process approved add slip in 2270A Vet Med.
******  SEE DEPT FOR REFERENCE NUMBERS
ZOO PRECEPTORSHIP  V MPM 494  1-8 CREDITS
******  SEE DEPT FOR REFERENCE NUMBERS

VETERINARY PATHOLOGY

NECROPSY LAB FRACRTM  V PTH 456  1 CREDIT
Prereq: FOURTH-YEAR CLASSIFICATION IN V MED
Note: COURSE RESTRICTED TO 4TH YEAR VET MED STUDENTS
7007005  MTWRF 1:10-5:00
S 10:00-11:50
Note: Materials and professional support fee $150.00
CLIN PATH LAB FRACRT  V PTH 457  1 CREDIT
Prereq: FOURTH-YEAR CLASSIFICATION IN V MED
Note: COURSE RESTRICTED TO 4TH YEAR VET MED STUDENTS
7008005  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
DIAGN PARASITOL LAB  V PTH 548  1-3 CREDITS
Prereq: 376 OR 376
9668005  ARRANGED
MEETS: MAY 14-AUG 3
CLIN PATHOLOGY LAB  V PTH 549  1 CREDIT
Prereq: 457, PERMISSION OF INSTRUCTOR
7037005  ARRANGED
MEETS: MAY 14-AUG 3
Note: Instructor permission required.
SURGICAL PATHOL LAB  V PTH 550  1-3 CREDITS
Prereq: 570 OR 571, PERMISSION OF INSTRUCTOR
Note: Instructor permission required.
7479005  ARRANGED
MEETS: MAY 14-AUG 3
POSTMORT PATHOL LAB  V PTH 551  1-3 CREDITS
Prereq: 542, PERMISSION OF INSTRUCTOR
7038005  MTWRF 1:10-5:00
S 10:00-11:50
MEETS: MAY 14-AUG 3
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 PARASIT  V PTH 599B VAR. CREDITS
******  SEE DEPT FOR REFERENCE NUMBERS
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  ARRANGED
MEETS: MAY 14-AUG 3
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<td>DIAG INTERP V PARAS V PTH 606B</td>
<td>R CREDIT</td>
<td>Prereq: PERMISSION OF INSTRUCTOR Note: Instructor permission required. MEETS: MAY 14-AUG 3</td>
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<td>DIAG INTERP VET TOX V PTH 606C</td>
<td>R CREDIT</td>
<td>Prereq: PERMISSION OF INSTRUCTOR Note: Instructor permission required. MEETS: MAY 14-AUG 3</td>
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<td>DIAG INTERP CLINPTH V PTH 606D</td>
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<td>HISTOPATH LAB ANIML V PTH 679</td>
<td>2 CREDITS</td>
<td>Prereq: V PTH 570 OR V PTH 571; PERMISSION OF INSTRUCTOR MEETS: MAY 14-JULY 6</td>
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<td>3061600</td>
<td>WOE WOMEN'S STUDIES</td>
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<td>3061600</td>
<td>SPECIAL TOPICS W S 590 VAR. CREDITS</td>
<td>SEE DEPT FOR REFERENCE NUMBERS</td>
<td></td>
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<tr>
<td>3061600</td>
<td>INDEPENDENT STUDY W S 490</td>
<td>1- 3 CREDITS</td>
<td>Prereq: ANY TWO COURSES IN W S 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</td>
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