Summer Session 2014

Session I: May 19 - July 11
Session II: June 16 - August 8
University Holidays: May 26, July 4

Registration Start Dates for Summer 2014
Veterinary Medicine students: Monday, March 24
Graduate students: Monday, March 24 - Wednesday, March 26
All seniors: Tuesday, March 25 - Monday, March 31
Projected juniors: Tuesday, April 1 - Monday, April 7
Projected sophomores: Tuesday, April 8 - Monday, April 14
Continuing freshmen: Tuesday, April 15 - Monday, April 21

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 Registrar's Student Scheduling Office, 10 Enrollment Services Center, 294-2331.

Fee Payment Deadlines
Fee payment deadlines for Summer 2014 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 2014, 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 Monday, April 28. 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 23. You can initiate registration for summer session I courses using AccessPlus Registration through Wednesday, May 21. 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.
University Calendar Summer 2014

May 18, Sun.  • Last day to cancel registration for full-12 week summer courses to avoid tuition assessment.

May 19, Mon.  • Class work begins, Session I courses.
  • Fee payment deadline for summer semester. First payment (minimum due) or payment in full.

May 21, Wed.  • 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.

May 23, Fri.  • 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 from Pass/Not Pass to grade without it counting toward the total allowable P/NP credits used for graduation.

June 2, Mon.  • University holiday—offices closed, classes recessed.

May 26, Mon.  • University holiday—offices closed, classes recessed.

May 30, 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.

June 2, Mon.  • Deadline for approval (with all signatures) of new experimental course forms for Fall 2014.
  • Preliminary room assignments for Fall 2014 distributed to departments from Room Scheduling.
  • Original course offerings for Spring 2015 distributed to departments.
  • Departments should begin approval process for new Spring 2015 experimental courses.

June 13, Fri.  • Last day to add/drop a course or withdraw without extenuating circumstances (Session I courses).

June 16, Mon.  • Class work begins, Session II courses.

June 18, Wed.  • Last day to add a Session II course without instructor's signature.
  • Last day to process adds or section changes for a Session II course through AccessPlus registration.
  • Fee payment deadline for summer. Second payment (minimum due).

June 20, Fri.  • Last day to process a schedule change without a fee or to drop 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.

June 25, Wed.  • Last day to change a Session II course from audit to credit basis.

May 26, Mon.  • Last day to elect to audit a course for Summer Session II. The instructor of the course must approve an audit.

June 27, Fri.  • Last day to graduate students to cancel graduation without being assessed a nonrefundable graduation fee.

July 4, Fri.  • University holiday—offices closed, classes recessed.

July 11, Fri.  • Last day to file a Designation of Repeated Course form for a summer course that is not an automatic designated repeat.

July 18, Fri.  • Fee payment deadline for summer. Second payment (minimum due).

July 20, Sun.  • Preliminary room assignments for Fall 2014, with changes, due back to Room Scheduling from departments.

July 22, Tues.  • Last day for graduate student to submit signed Submission Request Form for electronic thesis or dissertation.

July 26, Sat.  • Room assignments for Fall 2014 courses displayed on-line.

Aug. 8, Fri.  • Graduate College: last day to submit final electronic thesis/dissertation copy for Thesis Office review.

Aug. 13, Wed., 2:15 p.m.  • Final grades due on WebCT, Bb Learn or AccessPlus.

Aug. 14, Thurs.  • Grade reports available on AccessPlus.
Resources

Admissions  www.admissions.iastate.edu
General Information .................................................100 Enrollment Services Center ......................................................... (515)294-5836

College Student Services Offices
Agriculture and Life Sciences ................................................. 20 Curtiss .......................................................... 294-2766
Business ........................................................................... 1200 Gerdin .......................................................... 294-8430
Design ........................................................................ 297 College of Design ......................................................... 294-6983
Engineering ...................................................................... 202 Marston ......................................................... 294-3900
Graduate College .......................................................... 1137 Pearson ......................................................... 294-4531
Human Sciences............................................................. 0131 MacKay ......................................................... 294-6466
Liberal Arts and Sciences ............................................. 102 Carrie Chapman Catt Hall ......................................................... 294-1522
Veterinary Medicine .................................................. 2540 Veterinary Medicine ......................................................... 294-0772

Financial Aid Office  www.financialaid.iastate.edu
General Information .........................................................0210 Beardshear ......................................................... 294-2223

ISUCard Office  www.adp.iastate.edu/idcard/
ISUCard Office ............................................................0530 Beardshear ......................................................... 294-2727

Office of the Registrar  www.iastate.edu/~registrar/
Certifications ...............................................................214 Enrollment Services Center ......................................................... 294-1840
Degree Audits ............................................................210 Enrollment Services Center ......................................................... 294-0802
Fees & Tuition ..............................................................0460 Beardshear ......................................................... 294-1889
Graduation ....................................................................210 Enrollment Services Center ......................................................... 294-9372
Registrar’s Office Information ......................... 214 Enrollment Services Center ......................................................... 294-1840
Registration ....................................................................10 Enrollment Services Center ......................................................... 294-2331
Residency Status for Fees & Admission 214 Enrollment Services Center ......................................................... 294-0762 or 294-0767
Schedule Changes .........................................................10 Enrollment Services Center ......................................................... 294-2331
Student Records ..........................................................214 Enrollment Services Center ......................................................... 294-1840
Transcripts ....................................................................214 Enrollment Services Center ......................................................... 294-1840
Veterans Certification .................................................. 214 Enrollment Services Center ......................................................... 294-1840
Veterans Services Center ............................................3578 Memorial Union ......................................................... 294-9801

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

Student Answer Center  www.answer.iastate.edu/
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/.
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.

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.

Graduate Students

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.

Reentry forms are available through the ISU index under Reentering ISU or from the Office of the Registrar, Tuition and Fees area, 0460 Beardshear, at 515-294-1889, 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 Admissions, 100 Enrollment Services Center.

Reentering Students

New and Reentering Students

Questions about the registration process, contact:

Office of the Registrar’s Student Scheduling Office
10 Enrollment Services Center, 515-294-2331

College student services offices:

Agriculture and Life Sciences
20 Curtiss
294-2766

Business
1200 Gerdin
294-8430

Design
297 College of Design
294-6983

Engineering
202 Marston
294-9285

Graduate College
1137 Pearson
294-4531

Human Sciences
0131 MacKay
294-6466

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

Veterinary Medicine
2540 Vet Med
294-0772
International Students

All international students must complete the reentry form and a financial statement (for visa purposes) after an absence of one semester or more (not including summer term). International student reentry forms are available through the ISU index under Reentering ISU, International Students and Scholars or from the Tuition and Fees area at 0460 Beardshear Hall. Return all parts of the completed reentry form and related documentation to the Office of the Registrar well in advance of the beginning of the term for which reentry is desired. Degree-seeking Students who have attended another college 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, Tuition and Fees area, 0460 Beardshear Hall; or faxed to 515-294-6773 well in advance of the beginning of the term for which reentry is sought. The Office of the Registrar will process the form, or refer the reentry form to the college to which a student plans to return if the student (a) desires to change curriculum; (b) has a previous Iowa State University cumulative grade point average below 2.00 or had a last term average below 2.00; (c) was dropped from Iowa State for unsatisfactory academic progress or was not otherwise in good standing; or (d) since leaving Iowa State, has completed additional college study with less than a 2.00 grade point average. Once approved, they will receive a letter from the Office of the Registrar with information about registration.

How to Register

Reentering students should contact their adviser or departmental office to select courses and begin the registration process. New and reentering students are encouraged to register during the web registration period, and will be assigned registration start dates according to their year-in-school classification using the same general guidelines as currently enrolled students. Since courses begin to fill on the first day of the registration period, students should register as early as their start date and time allow.

Returning Students

Undergraduate and Nondegree 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, Tuition and Fees area, at 515-294-1889 or e-mail: reentry@iastate.edu to have their student record and address information updated prior to meeting with their adviser to discuss course selection. These students do not need to complete a reentry form.

Academically Dismissed

Returning students who have been academically dismissed should contact their college student services office regarding procedures for reinstatement. Students who want to change colleges should contact 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, Tuition and Fees area, 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 http://classes.iastate.edu/.
- Class Schedule Planner at http://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 Student Scheduling Office in 10 Enrollment Services Center for Summer 2014 full-12 week classes is Wednesday, May 21.

**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 10 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

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**AccessPlus Registration Tips**

- 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 Student Scheduling 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. A schedule change fee is assessed for adds, drops, and section changes during this period. 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. There is no schedule change fee for administrative schedule changes. Administrative drops do not count toward a student's ISU drop limit or appear as an X on the permanent record. The effective date of an administrative action is the date approved by the college student services office and/or college dean.

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 Student Scheduling Office, 10 Enrollment Services Center, 294-2331.

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

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

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

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

Each semester 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 2014 Fee Schedule

Tuition and fees are subject to change without notice. Enrollment is not complete until fees are paid. Tuition is charged at the per credit rate shown below. For more information, go to the ISU index under Fees.

Tuition & Fees Schedule Per Semester
In effect for Summer 2014. Subject to change without notice.

<table>
<thead>
<tr>
<th>Full Time Rates</th>
<th>Resident</th>
<th>Nonresident</th>
</tr>
</thead>
<tbody>
<tr>
<td>Undergraduate (12 or more credits)</td>
<td>$3,651.50</td>
<td>$9,707.50</td>
</tr>
<tr>
<td>Agricultural Systems Technology &amp; Industrial Technology, Junior &amp; Senior</td>
<td>$4,354.50</td>
<td>$10,407.50</td>
</tr>
<tr>
<td>Architecture, undergraduate</td>
<td>$3,851.50</td>
<td>$9,907.50</td>
</tr>
<tr>
<td>Business Juniors and Seniors (excludes Pre-Business)</td>
<td>$4,492.50</td>
<td>$10,529.50</td>
</tr>
<tr>
<td>Engineering Juniors and Seniors</td>
<td>$4,842.50</td>
<td>$10,833.50</td>
</tr>
<tr>
<td>Graduate (9 or more credits)</td>
<td>$4,182.50</td>
<td>$10,152.50</td>
</tr>
<tr>
<td>Architecture, Graduate</td>
<td>$4,382.50</td>
<td>$10,352.50</td>
</tr>
<tr>
<td>Engineering Graduate</td>
<td>$4,852.50</td>
<td>$10,842.50</td>
</tr>
<tr>
<td>Seed Technology &amp; Business</td>
<td>$5371.50</td>
<td>$11,341.50</td>
</tr>
<tr>
<td>Veterinary Medicine (12+ credits)</td>
<td>$9,579.50</td>
<td>$21,022.50</td>
</tr>
</tbody>
</table>

For students enrolled for less than a full course load and for the most current and complete information, see the Fee Schedule Per Credit list at http://www.registrar.iastate.edu/fees/

Additional information:
Audits and zero credit courses: assessed according to contact hours; maximum charge for zero credit courses is three credit hours
Continuous registration fee for graduate students: $70.
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.

Fee Policies and Descriptions: 2013-2014

• Developmental courses are assessed additional fees above and beyond tuition for other courses taken during the same term. Fee subject to change without notice.
  Math 10 - $480
  Chem 50 - $350
  Engl 99L - $240
  Engl 99R - $160
  Engl 99S - $480
  Frnch 97, Ger 97 and Span 97 - $294
• Distance education courses are assessed at the resident rate and the 2 credit tuition minimum does not apply, with the exception of graduate level research courses.
• 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.
• Workshop fee for one-credit workshops, with no other course enrollments, is $278 for undergraduate students and $431 for graduate students.
• Zero credit course is assessed based on contact hours with a maximum assessment of 3 credits.
Tuition and Fees

Tuition and fees are subject to change without notice.

Payment of Fees
The Accounts Receivable Office bills students for tuition, room, meal plan, and various other university charges. A statement of new charges will be available the first of each month on their AccessPlus account. Students will receive an e-mail message at their Iowa State e-mail address telling them that their bill is available on AccessPlus. It is their responsibility to ensure that the university has a correct e-mail address and to regularly check their Iowa State e-mail account. If they are unable to use AccessPlus to view their bill, they should contact the Accounts Receivable Office to learn the amount of their account balance due. Failure to view a billing statement will not exempt them from late penalties or from having a hold placed on their registration. Payments for 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 515-294-1889 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 2013:

<table>
<thead>
<tr>
<th>Withdrawal Date:</th>
<th>Summer Session I</th>
<th>Summer Session II</th>
<th>Student Pays</th>
</tr>
</thead>
<tbody>
<tr>
<td>May 22</td>
<td>June 19</td>
<td>10%</td>
<td></td>
</tr>
<tr>
<td>May 24</td>
<td>June 21</td>
<td>25%</td>
<td></td>
</tr>
<tr>
<td>May 29</td>
<td>June 26</td>
<td>50%</td>
<td></td>
</tr>
<tr>
<td>May 31</td>
<td>June 28</td>
<td>75%</td>
<td></td>
</tr>
<tr>
<td>After May 31</td>
<td>After June 28</td>
<td>100%</td>
<td></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 Tuition and Fees area of the Office of the Registrar at 515-294-1883 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 Tuition 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.

Appealing Tuition Assessments

Students may appeal a tuition and fees assessment for withdrawal by obtaining a “Procedures for Appealing Assessed Tuition” form from the fees section in the Office of the Registrar, 0460 Beardshear. The Office of the Registrar will review appeals for possible tuition and fees adjustment for the semester in question only after the written appeal and appropriate support documentation are received from the student. Determinations will be made by the Office of the Registrar based on extenuating circumstances beyond the control of the student. The results will be sent to the student in writing. Students may appeal the decision of the Office of the Registrar by writing an appeal letter to the Tuition Appeals Review Committee. This letter should be submitted to the Office of the Registrar within 10 calendar days after receiving the original decision. A final appeal of the Tuition Appeals Review Committee decision can be made by submitting a request in writing to the Office of the Provost.

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.

GLOSSARY OF FEES

Activity, Services and Building Fee

The activity, services and building fee is a mandatory fee that supports a variety of activities and services for all full time students. It is not based on whether or not a student uses an individual activity or service. This fee provides several benefits such as student admission rates to concerts and athletic events and unlimited use of CyRide. In addition, the fee provides support for campus recreation facilities, the Memorial Union, and campus organizations and services as allocated by the Government of the Student Body. Full-time students will be charged $317.80 each fall and spring semester, and all students will be charged $159.50 for the summer semester.

Exemptions are granted for students exclusively registered for the following: distance education courses (courses with sections beginning with an X); continuous registration courses, or students enrolled under the 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 activity fee.

Application Fee

A nonrefundable application fee must accompany the application for admission. The application fee for domestic students (both graduate and undergraduate) is $40; the international application fee for undergraduates is $50 and for graduate students is $90.

Technology Fee

All students will be charged a computer technology fee each semester. Full-time graduate and undergraduate students enrolled in the College of Engineering (including Systems Engineering) or students majoring in Agricultural Systems Technology or Industrial Technology are charged $223 per semester. Full-time graduate and undergraduate students majoring in Computer Science, or Pre-Computer Science are charged $223. Full-time undergraduate students enrolled in the College of Business except students in Pre-Business are charged $133 per semester, while full-time graduate students are charge $112 per semester. All other full-time undergraduate students will be charged the standard computer fee of $115 per semester. Fulltime graduate students will be assessed $92. Engineering and Computer Science graduate students with graduate assistant appointments will be assessed $111.50. Business graduate students on assistantship will be assessed $56. All other majors, regardless of the number of credits in and the fraction of time they are on appointment will be assessed $46.

Glossary of Fees
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, 7, 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.

Graduation Fee
The $60.00 graduation fee is assessed to students when they submit an application for graduation. The fee partially covers the cost of such items as diplomas, diploma covers, data processing, personnel, the commencement program booklet, postage and mailing costs of diplomas not distributed at commencement, and the implementation of a new degree audit system. This fee is non-refundable.

Health Facility Fee
All students are assessed an $49 health facility fee for Summer 2012, 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; weekend MBA courses; Lakeside Lab or geology field camp courses; graduate students enrolled in GR ST 600, 601, Psych 597, 697; or high school students enrolled under the PostSecondary Enrollment Options Act (Chapter 261C).

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 sections 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 GR ST 600, 601, 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 graduate applicants, $50 for international undergraduate applicants ($57 for the online application), and $90 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 advisor, 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 14. Students will be assessed a $60 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 student’s name from the graduation list for Summer 2014.

• An “Application for Graduation” (diploma slip) should be obtained from the student’s department and filed in the Graduate College by Friday, June 6.

• Last day for graduate students to cancel graduation, by June 27. 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 student’s 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 18.

• Final signed thesis/dissertation form must be submitted to the Thesis Office, 1137 Pearson, by Tuesday, July 22. Last date for students with a thesis/dissertation (ETD) to upload final thesis to ProQuest/UMI for thesis approval must be submitted by Thursday, July 24.

• Signatures must be obtained on the “Graduate Student Approval Slip” by Tuesday July 22. 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 [http://catalog.iastate.edu/](http://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 [http://catalog.iastate.edu/](http://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>Undergraduate</th>
<th>Graduate</th>
</tr>
</thead>
<tbody>
<tr>
<td>12 cr.</td>
<td>Full allowance</td>
</tr>
<tr>
<td>9-11.5 cr.</td>
<td>3/4 allowance</td>
</tr>
<tr>
<td>6-8.5 cr.</td>
<td>1/2 allowance</td>
</tr>
<tr>
<td>1-5.5 cr.</td>
<td>Proration of fee over period enrolled</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 http://www.isualert.iastate.edu/) will quickly alert Iowa State University students, faculty and staff of potentially dangerous situations on the Iowa State University campus. For details on how to review and update your ISU Alert information see http://isualert.iastate.edu/update.shtml

Third Party Access

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

Campus Parking
Vehicles operated on campus must be registered at the Parking 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

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

**COURSE RESTRICTED TO SOPH AND ABOVE**

<table>
<thead>
<tr>
<th>Reference Number</th>
<th>Days of the week a Course meets:</th>
<th>Course meeting time</th>
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</thead>
<tbody>
<tr>
<td>5277005 A MWF 9:00-9:50</td>
<td>M- Monday, T- Tuesday, W- Wednesday, R- Thursday, F- Friday</td>
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</tr>
<tr>
<td>5277010 B MWF 11:00-11:50</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

## 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.
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.

• Full semester courses:
Adding an audit—day 10 deadline:
– Through day 5 of classes: instructor approval required.
– Day 6-10: instructor, adviser approval required; schedule change fee applies.
– After day 10: only with extenuating circumstances, instructor, adviser, college approval required; schedule change fee applies.

Changing status, from credit to audit—day 10 deadline:
– Through day 5 of classes: instructor approval required.
– Day 6-10: instructor, adviser, college approval required; schedule change fee applies.
– After day 10: only with extenuating circumstances, instructor, adviser, college approval required; schedule change fee applies.

Changing status from audit to credit—day 5 deadline:
– Through day 5 of classes: instructor approval required.
– After day 5: instructor, adviser, college approval required; schedule change fee applies.

• Partial semester or summer courses:
Deadlines are determined based on the length of the course. For deadlines concerning partial term or summer courses, contact the 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 Centerl.

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

**Partial-Semester Courses**

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

**Pass-Not Pass**

Students must contact their adviser/major professor to determine which courses they may take Pass-Not Pass. To take a course Pass-Not Pass, first add the course through the web registration system on a graded basis, then to declare the course as Pass-Not Pass, the student must obtain the signature of their adviser/major professor located in the Pass-Not Pass section of the Schedule Change/Restriction Waiver form. Process the form in the Registrar's Student Scheduling Office, 10 Enrollment Services 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 Student Information to view any registration holds.

**Restricted Sections of Courses**

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

**Room Assignments**

Beginning Saturday April 26, 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.
Iowa Lakeside Laboratory

The Iowa Lakeside Laboratory is a field station located on approximately 140 acres of restored prairie, wetland, and gallery forest on the shore of West Okoboji Lake in northwest Iowa. The Laboratory was established in 1909 for the conservation and study of the rich flora and fauna of northwest Iowa—especially the Iowa Great Lakes region with its numerous lakes, wetlands, and prairies. It is run by the Iowa Board of Regents.

Each summer the Laboratory provides undergraduate and graduate students an exceptional opportunity to take field-oriented courses in the natural sciences (archaeology, ecology, evolution, geology, taxonomy). Specified courses for environmental science and biology teachers are also offered each summer. Most courses have individual or group field projects as well as formal lectures and discussions. Because all Lakeside courses are total immersion and meet all day, five days a week, students can take only one course at a time. Courses run for two to four weeks, except those for teachers and the Natural History Workshops which run one or two weeks. Class size for most courses is limited to ten students.

Scholarships are available to both undergraduates and graduate students. Scholarships only cover Iowa Lakeside Laboratory room and board.

Additional information about these courses as well as scholarship information and registration forms can be obtained from the Lakeside Lab website at www.continuetolearn.uiowa.edu/lakesidelab or by contacting the Iowa Lakeside Laboratory Administrative Office, 250 Continuing Education Facility, The University of Iowa, Iowa City, IA 52242-0907. Phone: (319) 353-2806 or (888) IOWAEDU (469-2338); Fax: (319) 335-2740; Email: iowalakesidelab@www.continuetolearn.uiowa.edu.

Early registration is advisable. Because enrollment in Lakeside courses is limited, students are advised to submit applications before May 1. Students should apply for housing at the same time as they register.

Natural History Workshops at Lakeside

During the 2014 summer season, Lakeside will offer one section of the Natural History Workshop This course has no prerequisites and is designed to serve the needs of teachers, naturalists, conservationists, and anyone else with an interest in Iowa’s natural history. The following section will be offered this summer:

Ia LL 293G-Prairies (June 16-20)
Ia LL 496P- Field Archaeology (June 23-July 5)
(June 23-27)

Lakeside Lab Course Descriptions

The following courses will be offered at Iowa Lakeside Laboratory during summer 2014. Iowa State University course numbers are listed under the course title.

Undergraduate Internship

Ia LL 293I (NREM 293I)
Cr. 1-5. Prereq: Permission of instructor and sophomore standing. Placement with county conservation boards, camps, parks, etc., for experience as interpreters, rangers, and technicians.

Ecology

Ia LL 312I (A Ecl 312I, EnSci 312I)
Cr. 4. May 20-June 14. MTWRF 8-5.
Neil Bernstein, Mount Mercy University
An introduction to the principles of ecology at the organismal, population, community, and ecosystem levels. The course integrates lectures and field studies to examine factors controlling the distribution and abundance of plants and animals in native ecosystems. General topics include climate, microclimates, soil, aquatic environments, responses of organisms to environment, life history, population growth and regulation, demography, species interactions, community composition and structure, landscape ecology, trophic structure and productivity, and biogeochemical cycles. Meets May 20 to June 14, 2013. Prerequisite: two semesters of introductory biology or consent of the instructor.

There is a strong emphasis on field ecology (what do ecologists do?), meaning that students will conduct many field research projects. These require collection, statistical analysis, and the interpretation of data in short reports. [In addition, students will write a scientific paper (full manuscript-style) for one of the research projects.]

Appropriate field clothes and supplies are needed (rain gear, warm clothing, hat, sturdy boots, sunscreen, wading shoes, and insect repellent). Ecology texts are available in the library, but if you wish to purchase one, a good choice is Elements of Ecology (7th edition) by Robert L. Smith and Thomas M. Smith. A required book (not available in the library or for purchase at ILL) is Where the Wild Things Were: Life, Death, and Ecological Wreckage in a Land of Vanishing Predators by William Stolzenburg (ISBN-13: 978-1596912991), available through internet booksellers. Purchase this before coming to ILL. Students should bring a field pack, calculator, a spiral notebook, and at least one flash drive. Optional items (suggested but not necessary) include a camera, field guides, binoculars, a water bottle, and hip or chest waders. Field trip fee: $60.
Plant Taxonomy

Ia LL 367
Cr. 4. June 17-July 12 MTWRF 8-5.
William Norris, Western New Mexico University.
Principles of classification and evolution of vascular plants; taxonomic tools and collection techniques; use of keys. Field and laboratory studies emphasizing identification of local flowering plants and recognition of major plant families. Meets June 17 to July 12, 2013. Prerequisite: two semesters of introductory biology or consent of the instructor.

Students who enroll in Plant Taxonomy at Lakeside will spend four weeks exploring the many habitats (wetland, prairie, forest) of Iowa’s lakes region to study the diverse flora of this region (home to more than 800 vascular plant species). The majority of class time is spent in the field. Topics to be covered include principles of vascular plant classification; vegetative and reproductive morphology; recognition characteristics of 40 major plant families, use of dichotomous keys; and field collection methodology. Each student will prepare and submit a collection of 100 vascular plants as a course requirement. There will be a two-night field trip to northeast Iowa during the third week of the course. Students will be expected to bring camping equipment and to pay for one evening meal out-of-pocket in addition to the fees charged for this trip.


Prairie Ecology

Ia LL 4221 ((EnSci 4221))
Cr. 4. June 17-July 12 MTWRF 8-5.
Daryl D. Smith, University of Northern Iowa
Analysis and interpretation of patterns and the underlying physical and biotic basis for both regional and local distributions of plants and animals of North American prairies via field observation and sampling and laboratory analysis. Meets June 17 to July 12, 2013. Prerequisite: two semesters of introductory biology or consent of the instructor.

Fieldwork will consist primarily of examination and investigation of various prairie communities in northwest Iowa and selected communities in western South Dakota and north-central Nebraska. Prairie communities will be sampled for species composition, richness, and natural quality and analyzed using standard community-analysis techniques. There will also be a six-day field trip to the Badlands and Wind Cave National Parks in South Dakota and the Sandhills of Nebraska. There are two required textbooks: An Illustrated Guide to Iowa Prairie Plants by Paul Christiansen and Mark Muller (University of Iowa Press, 1999, ISBN 0877456615 ) and a compilation of “Readings in Prairie Ecology.” The Christiansen and Muller book and the “Readings” will be available for purchase on the first day of class. Two sets of field clothes and waterproof field boots or extra shoes are recommended due to wet grass. A calculator, flashlight, sleeping bag and pad, rain gear, hat, and field boots are needed for the western field trip. Field trip fee: $100.

Archaeology

Ia LL 4271 (Anthr 4221)
Cr. 4. June 17-July 12 MTWRF 8-5.
John F. Doershuk, University of Iowa

Nature of cultural and environmental evidence in archaeology and how they are used to model past human behavior and land use; emphasis on Iowa preshistory; basic reconnaissance surveying and excavation techniques. Meets June 17-July 12, 2013.

The 2013 Lakeside Laboratory archaeological field school will continue on-going research efforts at the Gillett Grove Oneota culture protohistoric village site (13CY2) in Clay County, Iowa. The Gillett Grove site was first recorded in 1926 by Charles R. Keyes. Keyes, one of the founding figures of Iowa Archaeology, recorded hundreds of important sites across the State of Iowa. When Keyes visited the Gillett Grove site he found archaeological materials spread across a 20 acre area, “2 miles west and a little south of Gillett Grove...on a promontory of land on the north bank of the Little Sioux...12 low [house] mounds visible...large circular embankment/enclosure about 100 yards in diameter...on the highest central portion of the site.” Annual Lakeside Laboratory summer archaeological field schools have investigated portions of the site since 1995 recovering a large assemblage of diverse materials including arrow and spear points and other stone tools, decorated ceramic sherds, copper fragments, bison bones and other faunal remains, worked catlinite, glass trade beads, and a gun flint. Features related to semi-subterranean houses, hearths, and storage pits are preserved at 13CY2. Participants will be introduced to the basic methods of field archaeology including artifact identification, site mapping, excavation techniques, artifact processing, and beginning analytical methods. The field school will include lectures on Iowa Archaeology and the culture history sequence of western Iowa as well as day trips to the Sanford Museum in Cherokee, Iowa, the Dixon and Bastian Oneota sites, Jeffers Petroglyphs, and Pipestone National Monument. For more information on field school, visit http://www.uiowa.edu/~osa/gcp/gillettgrove/index.html.

Field trip fee: $120.
There are two required textbooks: An Illustrated Guide to Iowa Prairie Plants by Paul Christiansen and Mark Muller (University of Iowa Press, 1999, ISBN 0877456615) and a compilation of “Readings in Prairie Ecology.” The Christiansen and Muller book and the “Readings” will be available for purchase on the first day of class. Two sets of field clothes and waterproof field boots or extra shoes are recommended for early morning field trips. A calculator, small field notebook (5” x 7”), water bottle, mosquito repellent and sunscreen and/or hat are recommended. A flashlight, sleeping bag and pad, rain gear, and field boots are needed for the western trip. Field trip fee: $100.

Undergraduate Independent Study

Ia LL 4901 (Anthr 4901, NREM 4901)

Cr. 1-4.

Prereq: Permission of instructor. Contact Iowa Lakeside Laboratory, for additional information.

Undergraduate Research

Ia LL 499

Cr. 1-4.

Prereq: Permission of instructor. Contact Iowa Lakeside Laboratory, for additional information.

Graduate Internships

Ia LL 503

Cr. 1-5.

Prereq: Permission of instructor and graduate standing. Placement with county conservation boards, camps, parks, schools, etc., for experience as interpreters, rangers, technicians, and teachers.

Freshwater Algae

Ia LL 501I (EEOB 501I)

Cr. 3. June 14-July 12 MTWRF 8-5

Kalina Manoylov, Georgia College & State University

Biology, ecology and taxonomy of cyanobacteria and eukaryotic freshwater algae based on field collected material. Samples collected from lakes, fens, streams, and rivers will be identified mostly to genus level with some common species identifications within each algal group. Meets June 24 to July 12, 2013.

An ecological perspective is used to explore the diversity of photosynthetic microbes that form the energy base of freshwater ecosystems. Environmental and economic concerns caused by excessive algal growth will also be examined. Field collections will be used to identify the common phyla and genera of algae, to study their life histories, and to examine environmental factors that affect algal growth and distribution. A class project will investigate the algal ecology of Lake West Okoboji. Students should have a working knowledge of basic biology. Appropriate field clothes, hat, sunscreen and insect repellent will be needed. Either old tennis shoes, hip boots or chest waders will be needed for sampling aquatic habitats. The required text is Algae by L.E. Graham, J.M. Graham, and L.W. Wilcox, 2nd edition, 2009 (ISBN-13: 978-0-321-55965-4). Students choosing a career in aquatic ecology, phycolgy or botany are strongly encouraged to bring a copy of Freshwater Algae of North America, Ecology and Classification by J.D. Wehr and R.G. Sheath, 2003 (ISBN 0-12-741550-5).

For more information, please contact the instructor via email, kalina.manoylov@gcsu.edu, or telephone, 478-445-2439.

Field trip fee to be announced.

Aquatic Ecology

Ia LL 508I (ENSCI 508I, NREM 508I)

Cr. 4. May 20-June 14 -MTWRF 8-5

Christopher Filstrup, Iowa State University

Prereq: Courses in ecology, chemistry, and physics or consent of the instructor.

In this course, students will study the ecological principles of aquatic ecosystems at the population, community, and ecosystem levels. Students will investigate how physical and chemical environments of aquatic ecosystems affect the distribution and composition of aquatic biota, and vice versa. Although the course will focus on lake ecosystems, students will also study the ecology of streams, rivers, and wetlands. Lectures will cover such topics as the origins of lakes and their global distribution, biogeochemical nutrient cycling, phytoplankton and zooplankton ecology, and management of aquatic ecosystems. This course will have a strong field and laboratory component, in which students will learn field techniques and laboratory analyses commonly used by aquatic ecologists. For example, students will learn methods to measure underwater light climate and mixing regimes of lakes; nitrogen and phosphorus analytical techniques; phytoplankton, zooplankton, and benthic macroinvertebrate identification and enumeration techniques; and measures of community metabolism in aquatic ecosystems. Students will also learn statistical analyses and interpretation of ecological data and writing of scientific manuscripts through laboratory reports. Meets May 20 to June 14, 2013.

Ecology and Systematics of Diatoms

Ia LL 580I (EEOB 580I)

Cr. 4. May 20-June 14. MTWRF 8-5.

Mark Edlund, St. Croix Watershed Research Station, Science Museum of Minnesota, and Sarah Spaulding, US Geological Survey and Institute of Arctic and Alpine Research, University of Colorado

This course is an intensive, field-oriented class appropriate for advanced undergraduate students, graduate students, and post graduate workers in ecology, geology, environmental sciences, and diatom taxonomy. We will immerse ourselves in the diverse aquatic habitats and fossil deposits of the Upper Midwest to observe freshwater diatoms. Students will learn techniques in diatom collection, preparation, and identification. Lectures will cover taxonomy, systematics and biogeography of most freshwater genera. Students will complete individual voucher collections using modern database techniques and produce a written species treatment using guidelines for electronic publication. Students are encouraged to bring research materials. The use of diatoms in ecological and paleoecological research will be discussed. Class size is limited to ten students and early enrollment is encouraged. Meets May 20 to June 14, 2013. Prerequisite: two
semesters of introductory biology or geology and consent of the instructor.

There is a $130 fee for laboratory supplies and a $60 fee for field trips.

Scholarships are available through Iowa Lakeside Lab including the John C. Kingston Diatom Fellowship, which supports a teaching assistant in the course, and the Charles W. Biology, ecology and taxonomy of cyanobacteria and eukaryotic freshwater algae based on field collected material. Samples collected from lakes, fens, streams, and rivers will be identified mostly to genus level with some common species identifications within each algal group. Meets June 24 to July 12, 2013.

An ecological perspective is used to explore the diversity of photosynthetic microbes that form the energy base of freshwater ecosystems. Environmental and economic concerns caused by excessive algal growth will also be examined. Field collections will be used to identify the common phyla and genera of algae, to study their life histories, and to examine environmental factors that affect algal growth and distribution. A class project will investigate the algal ecology of Lake West Okoboji. Students should have a working knowledge of basic biology. Appropriate field clothes, hat, sunscreen and insect repellent will be needed. Either old tennis shoes, hip boots or chest waders will be needed for sampling aquatic habitats. The required text is Algae by L.E. Graham, J.M. Graham, and L.W. Wilcox, 2nd edition, 2009 (ISBN-13: 978-0-321-55965-4). Students choosing a career in aquatic ecology, phycology or botany are strongly encouraged to bring a copy of Freshwater Algae of North America, Ecology and Classification by J.D. Wehr and R.G. Sheath, 2003 (ISBN 0-12-741550-5).

For more information, please contact the instructor via email, kalina.manoylov@gcsu.edu, or telephone, 478-445-2439.

Field trip fee to be announced.
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A. View the Online Schedule of Classes at http://classes.iastate.edu/ for the list of classes offered for the term. Use the spaces provided below to plan the courses 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 http://accessplus.iastate.edu/. Follow the instructions and prompts on the screens. It is your responsibility to check for schedule conflicts. Attempt to add a course you need even if the section is closed. This action helps the university monitor 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.

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Alternative courses

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Notes

Adviser Signature: ________________________________ Date Approved: ________________________________
ACCOUNTING

LEGAL ENVIRONMT BUS ACCT 215 3 CREDITS
Prereq: SOFF CLASSIFICATION
Note: COURSE RESTRICTED TO SOPHOMORES AND ABOVE
5277005 A MTWRF 7:30–9:30
MEETS: MAY 19–JUNE 13

FINANCIAL ACCOUNTING ACCT 284 3 CREDITS
Prereq: COURSE NOT OPEN TO FIRST TERM FRESHMEN
Note: COURSE NOT OPEN TO FIRST TERM FRESHMEN
1110005 A MTWRF 9:50–11:50
MEETS: MAY 19–JUNE 13

MANAGERIAL ACCTING ACCT 285 3 CREDITS
Prereq: ACCT 284
Note: COURSE NOT OPEN TO GRADUATE STUDENTS
1112005 A MTWRF 12:10–2:10
MEETS: JUNE 16–JULY 11

THE ACCOUNTING CYCLE ACCT 301 1 CREDIT
Prereq: ACCT 285 OR ACCT 501 AND ACCT 301
1117005 A1 MTWRF 9:50–11:50
MEETS: MAY 19–JUNE 13
Note: SECTION A1 RESTRICTED TO ACCT UNDERGRAD MAJORS
1117010 A2 MTWRF 9:50–11:50
MEETS: MAY 19–JUNE 13
Note: SECTION A2 RESTRICTED TO BUS S, BUS U, BUSEC, FIN, LSCM, MGMT, MIS, MRT, OSCM, SCM MAJORS

INTMED ACCOUNTING I ACCT 386 3 CREDITS
Prereq: ACCT 285 OR ACCT 501 AND ACCT 301
1118005 A1 MTWRF 9:50–11:50
MEETS: JUNE 16–JULY 11
Note: SECTION A1 RESTRICTED TO ACCT MAJORS ONLY
1118010 A2 MTWRF 9:50–11:00
MEETS: JUNE 16–JULY 11
Note: SECTION A2 RESTRICTED TO BUS S, BUS U, BUSEC, FIN, LSCM, MGMT, MIS, MRT, OSCM, SCM MAJORS

INDEPENDENT STUDY ACCT 490 1–3 CREDITS
Prereq: ACCT 285, SENIOR CLASSIFICATION, PERMISSION OF INSTRUCTOR
Note: COURSE RESTRICTED TO ACCT MAJORS ONLY
Satisfactory-Fail Only.

INTRO TO AUDITING ACCT 497 3 CREDITS
Prereq: ACCT 384, ACCT 387 AND STAT 326
Note: COURSE RESTRICTED TO ACCT SENIORS GRADUATING SUMMER 2014
GARDIN FOR PERMISSION TO ADD.
1126005 A MTWRF 9:50–11:50
MEETS: JULY 14–AUG 8

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

CREATIVE COMPONENT ACCT 599 2 CREDITS
Prereq: PERMISSION OF INSTRUCTOR
Note: RESTRICTED TO BUSINESS COLLEGE GRADUATE STUDENTS
Satisfactory-Fail Only.

ADVERTISING

PROFSNL SKILLS DEVL ADVRT 390 1–3 CREDITS
Prereq: C+ OR BETTER IN JL MC 201; OTHER PREREQS
VARY BY TOPIC; INSTRUCTOR PERMISSION
2769800 PL ARRANGED
MEETS: MAY 15–JUNE 4
Note: SEC PL TAUGHT IN POLAND. POLAND THROUGH THE LENS
STUDY ABOAD SUMMER 2014 OFFERED FOR 3 CREDITS
Study Abroad Summer 2014 Application/Admissions

AEROSPACE ENGINEERING

INDEPENDENT STUDY AER E 290C 1–2 CREDITS
Prereq: SOPHMORE CLASSIFICATION, DEPT APPROVAL
Note: COURSE ONLY OFFERED FOR 2 CREDITS SUMMER 2014

AEROSPACE ENGINEERING (CONTINUED)

COOPERATIVE EDUC AER E 298 R CREDIT
Prereq: PERMISSION OF DEPARTMENT AND ENGINEERING CAREER SERVICES
Satisfactory-Fail Only.
Satisfactory-Fail Only.

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

COOPERATIVE EDUC AER E 398 R CREDIT
Prereq: 298, PERMISSION OF DEPARTMENT AND ENGINEERING CAREER SERVICES
Satisfactory-Fail Only.

IND STU A/GAS DYNAM AER E 490A 1–6 CREDITS
Prereq: JR/SR CLASSIFICATION, DEPARTMENT APPROVAL
Satisfactory-Fail Only.

IND STU SPACECR SYS AER E 490E 1–6 CREDITS
Prereq: JR/SR CLASSIFICATION, DEPARTMENT APPROVAL
Satisfactory-Fail Only.

IND STU AEROS STRUC AER E 490D 1–6 CREDITS
Prereq: JR/SR CLASSIFICATION, DEPARTMENT APPROVAL
Satisfactory-Fail Only.

IND STU FLIGHT DYN AER E 490C 1–6 CREDITS
Prereq: JR/SR CLASSIFICATION, DEPARTMENT APPROVAL
Satisfactory-Fail Only.

IND STU FLIGHT DYN AER E 490D 1–6 CREDITS
Prereq: JR/SR CLASSIFICATION, DEPARTMENT APPROVAL
Satisfactory-Fail Only.

IND DEP STUDY HONORS AER E 490H 1–6 CREDITS
Prereq: JR/SR CLASSIFICATION, DEPARTMENT APPROVAL
Satisfactory-Fail Only.

INDEPENDENT STUDY HONORS AER E 490H 1–6 CREDITS
Prereq: JR/SR CLASSIFICATION, DEPARTMENT APPROVAL
Satisfactory-Fail Only.

INDEPENDENT STUDY DESIGN AER E 490I 1–6 CREDITS
Prereq: JR/SR CLASSIFICATION, DEPARTMENT APPROVAL
Satisfactory-Fail Only.

INDEPENDENT STUDY AER E 490I 1–6 CREDITS
Prereq: JR/SR CLASSIFICATION, DEPARTMENT APPROVAL
Satisfactory-Fail Only.

INDEPENDENT STUDY AER E 490J 1–6 CREDITS
Prereq: JR/SR CLASSIFICATION, DEPARTMENT APPROVAL
Satisfactory-Fail Only.

INDEPENDENT STUDY AER E 490K 1–6 CREDITS
Prereq: JR/SR CLASSIFICATION, DEPARTMENT APPROVAL
Satisfactory-Fail Only.

INDEPENDENT STUDY AER E 490L 1–6 CREDITS
Prereq: JR/SR CLASSIFICATION, DEPARTMENT APPROVAL
Satisfactory-Fail Only.

INDEPENDENT STUDY AER E 490O 1–6 CREDITS
Prereq: JR/SR CLASSIFICATION, DEPARTMENT APPROVAL
Satisfactory-Fail Only.

COOPERATIVE EDUC AER E 498 R CREDIT
Prereq: AER E 398, PERMISSION OF DEPARTMENT AND ENGINEERING CAREER SERVICES
Satisfactory-Fail Only.

SPL TOP AER DYNAMCS AER E 590A 1–5 CREDITS
Prereq: JR/SR CLASSIFICATION, DEPARTMENT APPROVAL
Satisfactory-Fail Only.

SPL TOP PROPULSION AER E 590B 1–5 CREDITS
Prereq: JR/SR CLASSIFICATION, DEPARTMENT APPROVAL
Satisfactory-Fail Only.

SPL TOP AEROS STRUC AER E 590D 1–5 CREDITS
Prereq: JR/SR CLASSIFICATION, DEPARTMENT APPROVAL
Satisfactory-Fail Only.

SPL TOP FLIGHT DYN AER E 590C 1–5 CREDITS
Prereq: JR/SR CLASSIFICATION, DEPARTMENT APPROVAL
Satisfactory-Fail Only.

SPL TOP SPACECR SYS AER E 590E 1–5 CREDITS
Prereq: JR/SR CLASSIFICATION, DEPARTMENT APPROVAL
Satisfactory-Fail Only.

SPL TOP FLIGHT CONT AER E 590F 1–5 CREDITS
Prereq: JR/SR CLASSIFICATION, DEPARTMENT APPROVAL
Satisfactory-Fail Only.
**AEROSPACE ENGINEERING (CONTINUED)**

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| **AFRICAN AND AFRICAN AMERICAN STUDIES**

**INDEPENDENT STUDY**

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**AGRICULTURAL EDUCATION & STUDIES (CONTINUED)**

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<td><strong>SPCL CURRICULUM</strong></td>
<td>AGEDS 590E</td>
<td>1-3</td>
<td><strong>SEE DEPT FOR REFERENCE NUMBERS</strong></td>
<td></td>
</tr>
<tr>
<td><strong>SPCL CURRICULUM</strong></td>
<td>AGEDS 590F</td>
<td>1-3</td>
<td><strong>SEE DEPT FOR REFERENCE NUMBERS</strong></td>
<td></td>
</tr>
<tr>
<td><strong>SPCL CURRICULUM</strong></td>
<td>AGEDS 590G</td>
<td>1-3</td>
<td><strong>SEE DEPT FOR REFERENCE NUMBERS</strong></td>
<td></td>
</tr>
<tr>
<td><strong>SPCL CURRICULUM</strong></td>
<td>AGEDS 590H</td>
<td>1-3</td>
<td><strong>SEE DEPT FOR REFERENCE NUMBERS</strong></td>
<td></td>
</tr>
</tbody>
</table>

**AGRICULTURAL EDUCATION & STUDIES (CONTINUED)**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Credits</th>
<th>Prerequisites</th>
<th>Meeting Times</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>FIELD EXP H.S. AGRI</strong></td>
<td>AGEDS 211A</td>
<td>1</td>
<td>Prereq: AGEDS 110</td>
<td></td>
</tr>
<tr>
<td><strong>FIELD EXP AG INDUST</strong></td>
<td>AGEDS 211C</td>
<td>1</td>
<td>Prereq: AGEDS 110</td>
<td></td>
</tr>
<tr>
<td><strong>PRESENTN STRATEGIES</strong></td>
<td>AGEDS 311</td>
<td>3</td>
<td>Prereq: MAJOR IN THE COLLEGE OF AG LS</td>
<td></td>
</tr>
<tr>
<td><strong>SCI WITH PRACTICE</strong></td>
<td>AGEDS 312</td>
<td>3</td>
<td>Prereq: MAJOR IN THE COLLEGE OF AG LS</td>
<td></td>
</tr>
<tr>
<td><strong>AG MECHAN APPLCATNS</strong></td>
<td>AGEDS 388X</td>
<td>3</td>
<td>Prereq: MAJOR IN THE COLLEGE OF AG LS</td>
<td></td>
</tr>
<tr>
<td><strong>INTERNSHIP IN AGEDS</strong></td>
<td>AGEDS 412</td>
<td>2-6</td>
<td>Prereq: AGEDS 211, JR CLASS IN AGEDS, INSTR PERMISSION</td>
<td></td>
</tr>
<tr>
<td><strong>UNDERGRAD RESEARCH</strong></td>
<td>AGEDS 499</td>
<td>VAR. CREDITS</td>
<td>Prereq: PERMISSION OF INSTRUCTOR, ADVISER, &amp; DEPARTMENT CHAIR</td>
<td></td>
</tr>
<tr>
<td><strong>SPCL CURRICULUM</strong></td>
<td>AGEDS 590A</td>
<td>1-3</td>
<td>Prereq: 12 CR IN AGRICULTURAL EDUCATION</td>
<td></td>
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<tr>
<td><strong>SPCL CURRICULUM</strong></td>
<td>AGEDS 590B</td>
<td>1-3</td>
<td>Prereq: 12 CR IN AGRICULTURAL EDUCATION</td>
<td></td>
</tr>
</tbody>
</table>
AGRICULTURAL ENGINEERING (CONTINUED)

IND STU CFTR-A DSGN  A E  490C  1- 4 CREDITS
********  SEE DEPT FOR REFERENCE NUMBERS

INDEP STUDY HONORS  A E  490H  1- 4 CREDITS
Prereq: MEMBERSHIP IN UNIV HONORS PROGRAM
Note: COURSE RESTRICTED TO HONORS PROGRAM STUDENTS ONLY
********  SEE DEPT FOR REFERENCE NUMBERS

IND STDY POWER ENGR  A E  490P  1- 4 CREDITS
********  SEE DEPT FOR REFERENCE NUMBERS

IND STDY STRUCTURES  A E  490Q  1- 4 CREDITS
********  SEE DEPT FOR REFERENCE NUMBERS

IND STU ENVIRAN RES  A E  490S  1- 4 CREDITS
********  SEE DEPT FOR REFERENCE NUMBERS

AG4BIOSYS ENG TRAVEL  A E  496B  R CREDIT
Prereq: PERMISSION OF INSTRUCTOR
Note: Meets international perspectives reqmt.
7194800  FR ARRANGED  JUNG S
MEETS: MAY 18-25
Note: SEC FR TAUGHT IN FRANCE, NANTES & PARIS.
TITLE: PRODUCTION & PROCESSING OF SUSTAINABLE,
SAFE & NUTRITIONAL FOOD IN FRANCE. STUDY
ABROAD SUMMER 2014
Study Abroad Administrative Fee Applies

COOPERATIVE EDUCAT  A E  498  R CREDIT
SEE DEPT FOR REFERENCE NUMBERS
8332005  ARRANGED
MEETS: MAY 19-AUG 8

CREATIVE COMPONENT  A E  599  VAR. CREDITS
1044005  ARRANGED
MEETS: MAY 19-AUG 8

ENGINEER INTERNSHP  A E  697  R CREDIT
Prereq: A E 398, PERMISSION OF THE DEPARTMENT AND
ENGINEERING CAREER SERVICES
********  SEE DEPT FOR REFERENCE NUMBERS
1044005  ARRANGED
MEETS: MAY 19-AUG 8

DOCTORAL TECH COMM  A E  698  1 CREDIT
SEE DEPT FOR REFERENCE NUMBERS
8332005  ARRANGED
MEETS: MAY 19-AUG 8

RESEARCH BIOSYS ENG  A E  699B  VAR. CREDITS
********  SEE DEPT FOR REFERENCE NUMBERS
8333005  ARRANGED
MEETS: MAY 19-AUG 8

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

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

IND STU CFTR-A DSGN  A E  490C  1- 4 CREDITS
********  SEE DEPT FOR REFERENCE NUMBERS

INDEP STUDY HONORS  A E  490H  1- 4 CREDITS
Prereq: MEMBERSHIP IN UNIV HONORS PROGRAM
Note: COURSE RESTRICTED TO HONORS PROGRAM STUDENTS ONLY
********  SEE DEPT FOR REFERENCE NUMBERS

IND STDY POWER ENGR  A E  490P  1- 4 CREDITS
********  SEE DEPT FOR REFERENCE NUMBERS

IND STDY STRUCTURES  A E  490Q  1- 4 CREDITS
********  SEE DEPT FOR REFERENCE NUMBERS

IND STU ENVIRAN RES  A E  490S  1- 4 CREDITS
********  SEE DEPT FOR REFERENCE NUMBERS

AGRONOMY

PROF DEVEL:WORK EXP  AGRON 310  R CREDIT
SEE DEPT FOR REFERENCE NUMBERS
1389005  ARRANGED
MEETS: MAY 19-AUG 8

COOPERATIVE EDUCAT  AGRON 398  R CREDIT
SEE DEPT FOR REFERENCE NUMBERS
1411005  ARRANGED
MEETS: MAY 19-AUG 8

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

AGRICULTURAL EDUCATION & STUDIES

(SPL TOP) PHILSOPHY  AGEDS 590C  1- 3 CREDITS
Prereq: 12 CREDITS IN AGRICULTURAL EDUCATION
********  SEE DEPT FOR REFERENCE NUMBERS

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

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

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

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

SPL TOP CHNLS  AGEDS 590H  1- 3 CREDITS
Prereq: 12 CREDITS IN AGRICULTURAL EDUCATION
********  SEE DEPT FOR REFERENCE NUMBERS

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

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

WORKSHOP CURRICULUM  AGEDS 593A  1- 3 CREDITS
Prereq: 12 CREDITS IN AGRICULTURAL EDUCATION
1317005  ARRANGED
MEETS: MAY 19-AUG 8
Note: Tuition Category: Workshop

METHODS WORKSHOP  AGEDS 593B  1- 3 CREDITS
Prereq: 12 CREDITS IN AGRICULTURAL EDUCATION
1318005  ARRANGED
MEETS: MAY 19-AUG 8
Note: Tuition Category: Workshop

WRKSHP PROGRAM PLAN  AGEDS 593C  1- 3 CREDITS
Prereq: 12 CREDITS IN AGRICULTURAL EDUCATION
1323005  ARRANGED
MEETS: MAY 19-AUG 8
Note: Tuition Category: Workshop

WRKSHP BIOTECHNOLOGY  AGEDS 593M  1- 3 CREDITS
Prereq: 12 CREDITS IN AGRICULTURAL EDUCATION
6536005  MTWR 8:30-5:00
MEETS: JUNE 9-12
Note: SECTION 1: BEGINNING
Materials fee $25.00
Tuition Category: Workshop
6536010  MTWR 8:30-5:00
MEETS: JUNE 23-26
Note: SECTION 2: ADVANCED
Materials fee $25.00
Tuition Category: Workshop

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

PRO INTERNSHP AG ED  AGEDS 617  1- 6 CREDITS
Prereq: PERMISSION OF INSTRUCTOR
Note: Professional support, field trips 4/or travel fee $50.00
Satisfactory-Fail Only.
********  SEE DEPT FOR REFERENCE NUMBERS

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

AGRONOMY

COOPERATIVE EDUC  A E  298  R CREDIT
Prereq: PERMISSION OF DEPARTMENT AND ENGINEERING
CAREER SERVICES
********  SEE DEPT FOR REFERENCE NUMBERS

SUMMER INTERNSHIP  A E  396  R CREDIT
Prereq: PERMISSION OF DEPT & ENGR CAREER SERVICES
********  SEE DEPT FOR REFERENCE NUMBERS

COOPERATIVE EDUC  A E  398  R CREDIT
Prereq: A E 298, PERMISSION OF DEPARTMENT AND
ENGR CAREER SERVICES
Satisfactory-Fail Only.
********  SEE DEPT FOR REFERENCE NUMBERS

AGRONOMY

COOPERATIVE EDUC  AGRON 398  R CREDIT
SEE DEPT FOR REFERENCE NUMBERS
1411005  ARRANGED
MEETS: MAY 19-AUG 8

INDEP STUDY AGRON 490G  1- 3 CREDITS
Prereq: JR/SR CLASSIF WITH AT LEAST 8 CR IN AGRON
INSTRUCTOR PERMISSION IN SPECIALTY AREA AFTER CONSULTATION
Note: NO MORE THAN 4 CREDITS OF AGRON 490 MAY BE
APPLIED TOWARDS THE TOTAL OF 128 CREDITS REQUIRED FOR
GRADUATION
********  SEE DEPT FOR REFERENCE NUMBERS
AGRONOMY (CONTINUED)

INDEPENDENT STUDY HONORS AGRON 490H 1-3 CREDITS
Prereq: JR/SR CLASS # 8 CR IN AGRON INSTRUCTOR'S PREMISIN IN SPECIALITY AREA AFTER CONSULTATION MEMBERSHIP IN THE HONORS PROGRAM
Note: RESTRICTED TO HONORS PROGRAM STUDENTS ONLY.
NO MORE THAN 4 CREDITS OF AGRON 490 MAY BE APPLIED TOWARD THE TOTAL OF 128 CREDITS REQ'D FOR GRADUATION.
******* SEE DEPT FOR REFERENCE NUMBERS

AGROECOLOGY FLD CRS AGRON 497 3 CREDITS
Prereq: JR/SR CLASSIFICATION, 8 CREDITS IN AGRONOMY 8311005 ARRANGED MEETS: MAY 19-AUG 8

COOPERATIVE EDUCATION AGRON 498 R CREDIT
Prereq: PERMISSION OF DEPARTMENT COOPERATIVE EDUCATION COORDINATOR; SENIOR CLASSIFICATION 1416005 ARRANGED MEETS: MAY 19-AUG 8

PRIN CULTIVAR DEVEL AGRON 521 3 CREDITS
Prereq: AGRON 421j, STAT 401 1447005 1 MWF 8:00-9:00 MEETS: MAY 14-AUG 6

APPLIED AG METEOROLOGY AGRON 541 2-3 CREDITS
Prereq: AGRON 206 OR UPPER DIVISION BIOLOGICAL SCIENCE Note: CREDIT FOR EITHER AGRON 503 OR AGRON 541, BUT NOT BOTH, MAY BE APPLIED TOWARD GRADUATION. OFFERED FOR 2 CREDITS SUMMER 2014. 1454005 ARRANGED MEETS: MAY 19-AUG 8

SPECIAL TOPICS AGRON 590 VAR. CREDITS
Prereq: 15 Credits in Agronomy ******* SEE DEPT FOR REFERENCE NUMBERS

CR COMP AG MEGEOROL AGRON 599A VAR. CREDITS
Prereq: NONTHESIS M.S. OPTION ONLY 1472005 ARRANGED MEETS: MAY 19-AUG 8

CR COMP CROP PROD/PHY AGRON 599B VAR. CREDITS
Prereq: NONTHESIS M.S. OPTION ONLY 1473005 ARRANGED MEETS: MAY 19-AUG 8

CR COMP PLANT BREED AGRON 599C VAR. CREDITS
Prereq: NONTHESIS M.S. OPTION ONLY 1474005 ARRANGED MEETS: MAY 19-AUG 8

CRTV COMP SOIL CHEM AGRON 599D VAR. CREDITS
Prereq: NONTHESIS M.S. OPTION ONLY 1475005 ARRANGED MEETS: MAY 19-AUG 8

CR COMP SOIL FERTIL AGRON 599E VAR. CREDITS
Prereq: NONTHESIS M.S. OPTION ONLY 1476005 ARRANGED MEETS: MAY 19-AUG 8

CRTV COMP SOIL MGT AGRON 599F VAR. CREDITS
Prereq: NONTHESIS M.S. OPTION ONLY 1477005 ARRANGED MEETS: MAY 19-AUG 8

CR COMP SOIL MICROB AGRON 599G VAR. CREDITS
Prereq: NONTHESIS M.S. OPTION ONLY 1478005 ARRANGED MEETS: MAY 19-AUG 8

CR COMP SOIL MORPH AGRON 599H VAR. CREDITS
Prereq: NONTHESIS M.S. OPTION ONLY 1479005 ARRANGED MEETS: MAY 19-AUG 8

CR COMP SOIL PHYSCS AGRON 599I VAR. CREDITS
Prereq: NONTHESIS M.S. OPTION ONLY 1480005 ARRANGED MEETS: MAY 19-AUG 8

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

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

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

AMERICAN INDIAN STUDIES

INTRAMURAL STUDY AM IN 210 3 CREDITS
Note: Meets U.S. diversity reqmt 1506005 1 MTWR 9:50-11:15 MEETS: JUNE 16-JULY 11

INDEPENDENT STUDY AM IN 490 VAR. CREDITS
Prereq: 6 CR IN AM IN STUDIES, INSTA PERMISSION Note: COURSE ONLY OFFERED FOR 1-9 CREDITS SUMMER 2014. NO MORE THAN 9 CREDITS IN AM IN 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 MTWR 9:50-11:15 MEETS: MAY 19-JULY 11
1061010 B MTWR 9:50-11:15 TR 12:10-3:00 MEETS: MAY 19-JULY 11

ECOLOGY A ECL 312I 4 CREDITS
Note: Permission of Lakeside Lab Office required
Note: Tuition Category: Iowa Lakeside Lab

GRAD IND STDY IA LL A ECL 590I 1-4 CREDITS
Prereq: PERMISSION OF INSTRUCTOR & GRAD CLASS
Note: Permission of Lakeside Lab Office required
http://www.continue2learn.uiowa.edu/lakesidelab 3979005 1 ARRANGED MEETS: MAY 19-JUNE 13
Note: Tuition Category: Iowa Lakeside Lab
3979010 2 ARRANGED MEETS: JUNE 16-JULY 11
Note: Tuition Category: Iowa Lakeside Lab

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

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

RESEARCH - IA LL A ECL 699I 1-4 CREDITS
Prereq: PERMISSION OF INSTRUCTOR
Note: Permission of Lakeside Lab Office required
http://www.continue2learn.uiowa.edu/lakesidelab 3966005 1 ARRANGED MEETS: MAY 19-JUNE 13
Note: Tuition Category: Iowa Lakeside Lab
3966010 2 ARRANGED MEETS: JUNE 16-JULY 11
Note: Tuition Category: Iowa Lakeside Lab

RESEARCH - IA LL A ECL 699I 1-4 CREDITS
Prereq: PERMISSION OF INSTRUCTOR
Note: Permission of Lakeside Lab Office required
http://www.continue2learn.uiowa.edu/lakesidelab 3966005 1 ARRANGED MEETS: MAY 19-JUNE 13
Note: Tuition Category: Iowa Lakeside Lab
3966010 2 ARRANGED MEETS: JUNE 16-JULY 11
Note: Tuition Category: Iowa Lakeside Lab

http://www.continue2learn.uiowa.edu/lakesidelab

Note: Tuition Category: Iowa Lakeside Lab

Note: Meets U.S. diversity reqmt

Note: Permission of Lakeside Lab Office required

Note: Tuition Category: Iowa Lakeside Lab

Note: Tuition Category: Iowa Lakeside Lab

Note: Permission of Lakeside Lab Office required

Note: Tuition Category: Iowa Lakeside Lab
ANIMAL SCIENCE

WORKING WITH ANIMALS AN S 101 2 CREDITS
1527005 1 TR 8:40-9:40
9 TR 9:50-11:10
MEETS: JUNE 16-AUG 8

FND EQUINE TRN YR LG AN S 317B 3 CREDITS
Prereq: PERMISSION OF INSTRUCTOR
Not: NO MORE THAN 4 CREDITS OF AN S 317B MAY BE
APPLIED TOWARD GRADUATION
9194005 ARRANGED
MEETS: JUNE 16-AUG 8
Note: Materials and equipment use fee $175.00

ANIM SCI INTERNSHIP AN S 399A 2-6 CREDITS
Prereq: PERMISSION OF THE INSTRUCTOR
1538005 ARRANGED
MEETS: MAY 19-AUG 8

SUPERV'D INTERNSHIP AN S 399B R CREDIT
Prereq: PERMISSION OF INTERNSHIP COORDINATOR
2258005 ARRANGED
MEETS: MAY 19-AUG 8

IND STY ANIMAL SCI AN S 490A 1-3 CREDITS
Prereq: PERMISSION OF THE INSTRUCTOR
Not: 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
Not: 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 STU CMPPANION AN S 490D 1-3 CREDITS
Prereq: PERMISSION OF THE INSTRUCTOR
Not: 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 STU POUlTRY SCI AN S 490G 1-3 CREDITS
Prereq: PERMISSION OF THE INSTRUCTOR
Not: NO MORE THAN 6 CREDITS OF AN S 490G MAY BE
APPLIED TOWARD THE TOTAL CREDITS REQUIRED FOR
GRADUATION
****** SEE DEPT FOR REFERENCE NUMBERS

INDEP STUDY HONORS AN S 490H 1-3 CREDITS
Prereq: PERMISSION OF THE INSTRUCTOR, MEMBERSHIP
IN THE HONORS PROGRAM
Not: 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 INT'L TRAVEL CRS AN S 496A VAR. CREDITS
Prereq: INSTRUCTOR PERMISSION, 30 COLLEGE CREDITS
Note: Meets international perspectives reqmt
1876800 BR ARRANGED
MEETS: MAY 11-25
Note: SEC BR TAUGHT IN PRESIDENTE & GOIANIA, BRAZIL
BERF & HORSE INDUSTRY STUDY IN BRAZIL, STUDY ABROAD SUMMER 2014 OFFERED FOR 3 CREDITS.
Study Abroad Administrative Fee Applies

1876805 IT ARRANGED
KILMER L
MEETS: MAY 12-23
Note: SEC IT TAUGHT IN FRANCE & ITALY. TOPIC: LIVESTOCK PRODUCTION IN FRANCE & ITALY STUDY ABROAD SUMMER 2014, OFFERED FOR 3 CREDITS.
Study Abroad Administrative Fee Applies

1876010 PE ARRANGED
YOUNGS C
MEETS: MAY 12-23
Note: SEC PE TAUGHT IN PERU. TOPIC: LIVESTOCK PRODUCTION IN PERU, STUDY ABROAD SUMMER 2014. OFFERED FOR 3 CREDITS
Study Abroad Administrative Fee Applies

AG DOMESTIC TRAVEL AN S 496B VAR. CREDITS
Prereq: INSTRUCTOR PERMISSION, 30 COLLEGE CREDITS
Note: COURSE ONLY OFFERED FOR 3 CREDITS SUMMER 2014
Department permission required.
1877005 1 ARRANGED
MEETS: MAY 19-31
Note: Instructor permission required.

ANIMAL SCIENCE (CONTINUED)

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

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

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

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

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

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

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

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

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

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

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

CRTV CMP AN BREEDING AN S 599D 1-8 CREDITS
Prereq: NONTHESIS 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 RESrch AN S 699D VAR. CREDITS
****** SEE DEPT FOR REFERENCE NUMBERS

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

REPROD PHYSIOL RESrch AN S 699F VAR. CREDITS
****** SEE DEPT FOR REFERENCE NUMBERS

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

ANIM ETHOLOGY RESrch AN S 699H VAR. CREDITS
Note: COURSE OFFERED FOR 1-3 CREDITS SUMMER 2014
****** SEE DEPT FOR REFERENCE NUMBERS

ANTHROPOLOGY

ARCHAEOLOGY ANTHR 4271 4 CREDITS
Note: Available for nonmajor graduate credit
Permission of Lakeside Lab Office required
http://www.continuetolearn.uiowa.edu/lakesidelab
3842005 MTWRF 8:00-5:00
MEETS: JUNE 16-JULY 11
Note: Tuition Category: Iowa Lakeside Lab
ANTHROPOLOGY (CONTINUED)

INTERNSHIP ARCHAEOLOGY 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 ARRANGED MEETS: MAY 19-AUG 8

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 19-AUG 8

INTERNSHIP BIOLOGY ANTHR 434C 2-6 CREDITS
Prereq: JUNIOR OR SENIOR STANDING
Note: NO MORE THAN 6 CREDITS OF INTERNSHIP EXPERIENCE MAY COUNT TOWARDS THE MAJOR. NO CREDIT IN ANTHR 434 MAY BE USED TO SATISFY ANTHR CORE COURSE REQUIREMENTS FOR THE MAJOR OR FOR THE ANTHR MINOR. Satisfactory-Fail Only.
1072005 ARRANGED MEETS: MAY 19-AUG 8

INDEPENDENT STUDY ANTHR 490A 1-5 CREDITS
Prereq: 9 CREDITS IN ANTHROPOLOGY
Note: NO MORE THAN 9 CREDITS OF ANTHR 490 MAY BE APPLIED TOWARDS GRADUATION Instructor permission required 1st week.
****** SEE DEPT FOR REFERENCE NUMBERS

INDEPENDENT STUDY ANTHR 490B 1-5 CREDITS
Prereq: 9 CREDITS IN ANTHROPOLOGY
Note: NO MORE THAN 9 CREDITS OF ANTHR 490 MAY BE APPLIED TOWARDS GRADUATION Instructor permission required 1st week.
****** SEE DEPT FOR REFERENCE NUMBERS

INDEPENDENT STUDY ANTH 490C 1-5 CREDITS
Prereq: 9 CREDITS IN ANTHROPOLOGY
Note: NO MORE THAN 9 CREDITS OF ANTHR 490 MAY BE APPLIED TOWARDS GRADUATION Instructor permission required 1st week.
****** SEE DEPT FOR REFERENCE NUMBERS

INDEPENDENT STUDY HONORS ANTH 490H 1-5 CREDITS
Prereq: 9 CREDITS IN ANTHROPOLOGY, MEMBERSHIP IN THE HONORS PROGRAM
Note: NO MORE THAN 9 CREDITS OF ANTHR 490 MAY BE APPLIED TOWARDS GRADUATION. COURSE RESTRICTED TO HONORS PROGRAM STUDENTS ONLY.
Instructor permission required 1st week.
****** SEE DEPT FOR REFERENCE NUMBERS

UG INDEPENDENT STUDY IA LL ANTHR 490I 1-4 CREDITS
Prereq: JUNIOR OR SENIOR CLASSIFICATION AND PERMISSION OF INSTRUCTOR
Note: NO MORE THAN 9 CREDITS OF ANTHR 490 MAY BE APPLIED TOWARDS GRADUATION Permission of Lakeside Lab Office required http://www.continuetolearn.uiowa.edu/lakesidelab
7822005 1 ARRANGED MEETS: MAY 19-JUNE 13
7822010 2 ARRANGED MEETS: JUNE 16-JULY 11
Note: Tuition Category: Iowa Lakeside Lab

GRAD INDEPENDENT STUDY ANTHR 590 1-4 CREDITS
Prereq: GRAD CLASSIFICATION, INSTRUCTOR PERMISSION
Note: Instructor permission required 1st week.
****** SEE DEPT FOR REFERENCE NUMBERS

GRAD INDEPENDENT STUDY IA LL ANTHR 590I 1-4 CREDITS
Prereq: GRAD CLASSIFICATION, INSTRUCTOR PERMISSION
Note: Permission of Lakeside Lab Office required http://www.continuetolearn.uiowa.edu/lakesidelab
7823005 1 ARRANGED MEETS: MAY 19-JUNE 13
7823010 2 ARRANGED MEETS: JUNE 16-JULY 11
Note: Tuition Category: Iowa Lakeside Lab

APPRAL, EVENTS & HOSPITALITY MGMT

SUPV WRK EXP I:HSPP AESHM 170D 1 CREDIT
Prereq: PERMISSION BY APPLICATION; FRESHMAN CLASSIFICATION
Note: NO MORE THAN 12 CREDITS TOTAL FROM AESHM 170, AESHM 270, AND AESHM 470 MAY BE APPLIED TOWARDS GRADUATION Instructor permission required.
1107005 ARRANGED MEETS: MAY 19-AUG 8

SUPV WRK EXP I:EVNT AESHM 170F 1 CREDIT
Prereq: PERMISSION BY APPLICATION; FRESHMAN CLASSIFICATION
Note: NO MORE THAN 12 CREDITS TOTAL FROM AESHM 170, AESHM 270, AND AESHM 470 MAY BE APPLIED TOWARDS GRADUATION Instructor permission required.
1113005 ARRANGED MEETS: MAY 19-AUG 8

SUPV WRK EXP II:APPR AESHM 170N 1 CREDIT
Prereq: PERMISSION BY APPLICATION; FRESHMAN CLASSIFICATION
Note: NO MORE THAN 12 CREDITS TOTAL FROM AESHM 170, AESHM 270, AND AESHM 470 MAY BE APPLIED TOWARDS GRADUATION Instructor permission required.
1125005 ARRANGED MEETS: MAY 19-AUG 8

SUPV WRK EXP II:EVNT AESHM 270F 1-2 CREDITS
Prereq: MINIMUM 2.0 GPA; PERMISSION BY APPLICATION; SOPHOMORE CLASSIFICATION; 6 CR IN AESHM OR HRI
Note: NO MORE THAN 12 CREDITS TOTAL FROM AESHM 170, AESHM 270, AND AESHM 470 MAY BE APPLIED TOWARDS GRADUATION Instructor permission required.
1132005 ARRANGED MEETS: MAY 19-AUG 8

SUPV WRK EXP II:EVNT AESHM 270F 1-2 CREDITS
Prereq: MINIMUM 2.0 GPA; PERMISSION BY APPLICATION; SOPHOMORE CLASSIFICATION; 6 CR IN AESHM, HRI, OR A M D
Note: NO MORE THAN 12 CREDITS TOTAL FROM AESHM 170, AESHM 270, AND AESHM 470 MAY BE APPLIED TOWARDS GRADUATION Instructor permission required.
1203005 ARRANGED MEETS: MAY 19-AUG 8

SUPV WRK EXP II:EVNT AESHM 270F 1-2 CREDITS
Prereq: MINIMUM 2.0 GPA; PERMISSION BY APPLICATION; SOPHOMORE CLASSIFICATION; 6 CR IN AESHM, HRI, OR A M D
Note: NO MORE THAN 12 CREDITS TOTAL FROM AESHM 170, AESHM 270, AND AESHM 470 MAY BE APPLIED TOWARDS GRADUATION Instructor permission required.
1270005 ARRANGED MEETS: MAY 19-AUG 8

SUPV WRK EXP II:ISU AESHM 270P 1-2 CREDITS
Prereq: MINIMUM 2.0 GPA; PERMISSION BY APPLICATION; SOPHOMORE CLASSIFICATION; 6 CR IN AESHM OR HRI
Note: NO MORE THAN 12 CREDITS TOTAL FROM AESHM 170, AESHM 270, AND AESHM 470 MAY BE APPLIED TOWARDS GRADUATION Instructor permission required.
1282005 ARRANGED MEETS: MAY 19-AUG 8

SUPV WRK EXP II:APPC AESHM 342 3 CREDITS
Prereq: SOPHOMORE CLASSIFICATION
Note: Meets U.S. diversity requirement
4609005 ARRANGED MEETS: MAY 19-JULY 11
Note: Course delivery is WWW
MEETS: MAY 19–AUG 8
ARRANGED               FIORE A
INSTRUCTOR PERMISSION
PRACTCM APPAR MCHDS AESHM 570A 1–3 CREDITS
FIORE A
MEETS: MAY 19–AUG 8
APPAREL, MERCHANDISING, AND DESIGN (CONTINUED)

UNDERGRAD RESEARCH  A M D 499  1- 3 CREDITS
Prereq: SENIOR CLASSIFICATION; 15 CREDITS IN A M D
Note: Department permission required.  DEPARTMENT CHAIR
        SEE DEPT FOR REFERENCE NUMBERS

DIGITAL TXTL/AP DSN  A M D 521  3 CREDITS
Prereq: EXPERIENCE WITH FLAT PATTERN OR
        DRAWING TECHNIQUES & IMAGE MANIPULATION SOFTWARE,
        PERMISSION OF INSTRUCTOR
        SEE DEPT FOR REFERENCE NUMBERS
4170005  1 MTWF 8:00-5:00
ARRANGED
MEETS: JUNE 25-AUG 8
Note: THE SCHEDULED MEETINGS (8-5) WILL BE ONE WEEK
ONLY - JUNE 25-JULY 1
Materials fee $25.00

SPL TOP TEXILE SCi  A M D 590A  VAR. CREDITS
        SEE DEPT FOR REFERENCE NUMBERS

SPL TOP TXTL&AP DSN  A M D 590C  VAR. CREDITS
Prereq: PERMISSION OF DEPT CHAIR & INSTRUCTOR
        SEE DEPT FOR REFERENCE NUMBERS

SPL TOP HIST COSTUM  A M D 590E  VAR. CREDITS
Prereq: PERMISSION OF DEPT CHAIR & INSTRUCTOR
        SEE DEPT FOR REFERENCE NUMBERS

SPL TOP SOC-PSY ASP  A M D 590F  VAR. CREDITS
Prereq: PERMISSION OF DEPT CHAIR & INSTRUCTOR
        SEE DEPT FOR REFERENCE NUMBERS

SPL TOP CONSMR BEHV  A M D 590G  VAR. CREDITS
Prereq: PERMISSION OF DEPT CHAIR & INSTRUCTOR
        SEE DEPT FOR REFERENCE NUMBERS

SPL TOP MERCHANDISN  A M D 590I  VAR. CREDITS
Prereq: PERMISSION OF DEPT CHAIR & INSTRUCTOR
        SEE DEPT FOR REFERENCE NUMBERS

SP TOP CULTUR ANALY  A M D 590K  VAR. CREDITS
        SEE DEPT FOR REFERENCE NUMBERS

SPCL TOPICS MUSEUMS  A M D 590M  VAR. CREDITS
Prereq: PERMISSION OF DEPT CHAIR & INSTRUCTOR
        SEE DEPT FOR REFERENCE NUMBERS

SPL TOP PRODCM MGMT  A M D 590N  VAR. CREDITS
Prereq: PERMISSION OF DEPT CHAIR & INSTRUCTOR
        SEE DEPT FOR REFERENCE NUMBERS

SPL TOPC TECH DESIGN  A M D 590Q  VAR. CREDITS
Prereq: PERMISSION OF DEPT CHAIR & INSTRUCTOR
        SEE DEPT FOR REFERENCE NUMBERS

ADVANCED TOPICS  A M D 690  VAR. CREDITS
Prereq: ENROLLMENT IN DOCTORAL PROGRAM, PERMISSION
        OF INSTRUCTOR, AND APPROVAL OF D.O.G.E.
        SEE DEPT FOR REFERENCE NUMBERS

RESEARCH  A M D 699  VAR. CREDITS
        SEE DEPT FOR REFERENCE NUMBERS

ARCHITECTURE  A M D 699  VAR. CREDITS
        SEE DEPT FOR REFERENCE NUMBERS

ART & DESIGN  A M D 699  VAR. CREDITS
        SEE DEPT FOR REFERENCE NUMBERS

ARCHITECTURE (CONTINUED)

INDEP STY STUDY  ARCH  490F  1- 9 CREDITS
Prereq: APPROVAL OF INSTR & DEPT CHAIR ON REQ FORM
Note: Department permission required.
        SEE DEPT FOR REFERENCE NUMBERS

INDEP STUDY HONS  ARCH  490H  1- 9 CREDITS
Prereq: APPROVAL OF INSTR & DEPT CHAIR ON
        REQUIRED FORM IN ADVANCE OF THE SEMESTER
        COURSE RESCHEDULED TO HONORS PROGRAM STUDENTS ONLY
        Department permission required.
        SEE DEPT FOR REFERENCE NUMBERS

ARC DIG&MEDIA III  ARCH  507  5 CREDITS
Prereq: ARCH 506, ARCH 542, ARCH 596 AND
        CONCURRENT ENROLLMENT IN ARCH 581
1300000  1 T 8:40-12:00
        MWF 8:40-12:00
        MEETS: MAY 19-JULY 11

STUDY ABROAD OPTIONS  ARCH  576  1-12 CREDITS
Note: Meets international perspectives reqmt
8672800  CN ARRANGED
        MEETS: MAY 12-26
Note: SEC CN TAUGHT IN CHINA. FIELD STUDIES IN CHINESE
        ARCHITECTURE. STUDY ABROAD SUMMER 2014 TAUGHT FOR 3
        CREDITS
        Study Abroad Administrative Fee Applies

8672805  DE ARRANGED
        MEETS: MAY 26-JUNE 27
Note: SEC D2 TAUGHT IN BERLIN, GERMANY. SUMMER ACADEMY
        BERLIN 2013. STUDY ABROAD SUMMER 2014. OFFERED FOR
        4 CREDITS
        Study Abroad Administrative Fee Applies

8672810  D2 ARRANGED
        MEETS: JUNE 30-JULY 13
Note: SEC D2 TAUGHT IN LMGD (LIPPE) GERMANY. TITLE: 
        RENAISSANCE & CONTEMPORARY CULTURE IN LIPPE,
        GERMANY. STUDY ABROAD SUMMER 2014
        Study Abroad Administrative Fee Applies

SERVICE LEARNING  ARCH  581  5 CREDITS
Prereq: ARCH 506, 542 AND ARCH 596
1719005  1 MTW 1:40-4:00
        R 1:40-5:00
        MEETS: MAY 19-JULY 11

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

INDEP DESIGN STUDY  ARCH  690  6 CREDITS
Prereq: ADMISSION TO THE M. S. IN ARCH. PROGRAM
        SEE DEPT FOR REFERENCE NUMBERS

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

GRAPHIC DSN  ARCH  495G  3 CREDITS
Prereq: 494, PERMISSION OF INSTRUCTOR
Note: Meets international perspectives reqmt
1858800  IT ARRANGED
        MEETS: MAY 12-JUNE 4
Note: SEC IT TAUGHT IN ITALY, SWITZERLAND, GERMANY,
        THE NETHERLANDS, FRANCE. TOPIC: GRAPHIC DESIGN IN
        EUROPE. STUDY ABROAD SUMMER 2014
        Study Abroad Administrative Fee Applies

ART HIST IN EUROPE  ARCH  495N  3 CREDITS
Prereq: 494, PERMISSION OF INSTRUCTOR
Note: Meets international perspectives reqmt
7552800  IT ARRANGED
        MEETS: MAY 11-JULY 31
Note: SEC IT TAUGHT IN ROUX, ITALY. COLLEGE OF
        DESIGN SUMMER SOME PROGRAM. STUDY ABROAD SUMMER
        2014. OFFERED FOR 3 CREDITS
        Study Abroad Administrative Fee Applies

STUDIO INTERNSHIP  ARCH  497  1- 6 CREDITS
Prereq: ADVANCED CLASSIFICATION IN A DEPT CURR,
        CALCULUS AND ADVANCED DEPT CHAIR ON REQUIRED
        FORM IN ADVANCE OF SEM OF ENROLLMENT
        Satisfaction-Pass Only
7821005  JC ARRANGED
        MEETS: MAY 19-AUG 8
ART & DESIGN (CONTINUED)

GRAPHIC DSGN IN EUR  ART 595G  3 CREDITS
Prereq: GRAD CLASSIF, 494 OR EQUIV, INSTR PERSMNS
Note: COURSE RESTRICTED TO GRADUATE ART MAJORS
1910800  IT ARRANGED
BRUSKI P
MEETS: MAY 12-JUNE 4
Note: Sec it taught in italy, Switzerland, Germany, the Netherlands, France. Topic: Graphic Design in Europe. Study abroad summer 2014. Study abroad administrative fee applies.

MUSEUM/GLRKY INTERN ART 598 1-6 CREDITS
Prereq: GRAD CLASSIFICATION & PERMISSION OF FACULTY
Written approval in advance of term of enrollment
Note: FOR GRADUATE ART MAJORS
Satisfactory-Fail Only.
9445005  JC ARRANGED
MEETS: MAY 19-AUG 8
Note: Department permission required.

STUDIO INTERNSHIP ART 697 VAR. CREDITS
Prereq: GRAD CLASSIFICATION & APPROVAL OF POS COMITTEE
Note: COURSE ONLY OFFERED FOR 1-9 CREDITS SUMMER 2014.
FOR GRADUATE ART MAJORS ONLY.
Department permission required.
******* SEE DEPT FOR REFERENCE NUMBERS

THESIS RESEARCH ART 699A VAR. CREDITS
1949005  ARRANGED
MEETS: MAY 19-AUG 8

THESIS RES--EXHIBIT ART 699B VAR. CREDITS
Satisfactory-Fail Only.
******* SEE DEPT FOR REFERENCE NUMBERS

ART HISTORY

HISTORY OF COMICS ART H 489 3 CREDITS
Note: Available for nonmajor graduate credit
3875005  ARRANGED
CUNNALLY J
MEETS: JUNE 16-AUG 8
Note: Topic: Sequential Arts
Course delivery is WM

INDEPENDENT STUDY ART H 490 1-6 CREDITS
Prereq: Written approval of instructor and Department Chair on required form before the semester of enrollment
******* SEE DEPT FOR REFERENCE NUMBERS

INDEP STUDY HONORS ART H 490H 1-6 CREDITS
Prereq: Written approval of instructor and Department Chair on required form before the semester of enrollment
Note: Course restricted to honors program students 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 specialized area. Written approval of instr and dept chair on required form. See dept for reference numbers
******* SEE DEPT FOR REFERENCE NUMBERS

ASTRONOMY & ASTROPHYSICS

NORTH STAR ASTRONY  ASTRO 102 1 CREDIT
Note: Students who take astro 120 may apply credit in only one of astro 102 or 103 toward graduation
8059005  ARRANGED
MEETS: JUNE 16-AUG 8
Note: Course delivery is W

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
8260005  ARRANGED
MEETS: JUNE 16-AUG 8
Note: Course delivery is WM

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 8:40-9:40
R 8:40-9:40
MEETS: JUNE 16-AUG 8

INDEPENDENT STUDY  ASTRO 290 1-4 CREDITS
Prereq: Permission of instructor
******* SEE DEPT FOR REFERENCE NUMBERS

UNDERGRAD RESEARCH  ASTRO 450L 1-6 CREDITS
Prereq: Permission of instructor
******* SEE DEPT FOR REFERENCE NUMBERS

ASTRONOMY & ASTROPHYSICS (CONTINUED)

UNDERGRAD RESEARCH  ASTRO 450L 1-6 CREDITS
Prereq: 344L and permission of instructor
******* SEE DEPT FOR REFERENCE NUMBERS

INDEPENDENT STUDY  ASTRO 490 1-4 CREDITS
Prereq: Permission of instructor
Note: No more than 9 credits of astro 490 may be applied toward graduation
******* SEE DEPT FOR REFERENCE NUMBERS

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

CREATIVE COMPONENT ASTRO 599 VAR. CREDITS
******* 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 MTWRF 9:50-11:50
MEETS: MAY 19-JUNE 13

ATHL TRAIN COMPETNC A TR 489 1 CREDIT
Prereq: Permission of athletic train director, senior classification
Satisfactory-Fail Only.
3220005  ARRANGED
MEETS: JUNE 16-AUG 8

BIOCHEM, BIOPHYS & MOLECULAR BIO

SURVEY OF BIOCHEM BBMB 301 3 CREDITS
Prereq: CHEM 231 OR CHEM 331
Note: ABBIO, biobiochemistry or biophysics majors may not apply credit for bbmb 201 toward degree requirements
1999005  MTWRF 8:40-9:40
MEETS: MAY 19-JULY 11

INDEPENDENT STUDY BBMB 490 VAR. CREDITS
Prereq: Membership in univ honors program, instructor permission; college of agriculture: junior or senior classification
Note: Students in the college of agriculture may apply no more than 6 credits of 490 toward graduation
Students in the las college may apply no more than 9 credits of 490 toward graduation
******* SEE DEPT FOR REFERENCE NUMBERS

INDEP STUDY HONORS BBMB 490H VAR. CREDITS
Prereq: Membership in univ honors program, instructor permission; college of agriculture: junior or senior classification
Note: Students in the college of agriculture may apply no more than 6 credits of 490 toward graduation
Students in the las college may apply no more than 9 credits of 490 toward graduation
******* SEE DEPT FOR REFERENCE NUMBERS

INDEPENDENT STUDY BBMB 490 VAR. CREDITS
Prereq: Permission of instructor, college of agriculture: junior or senior classification
Note: Students in the college of agriculture may apply no more than 6 credits of 490 toward graduation
Students in the las college may apply no more than 9 credits of 490 toward graduation
******* SEE DEPT FOR REFERENCE NUMBERS

INDEPENDENT STUDY BBMB 499 1-5 CREDITS
Prereq: Permission of instructor, college of agriculture: junior or senior classification, 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
******* SEE DEPT FOR REFERENCE NUMBERS

BIOINFORMATICS & COMPUTATIONAL BIOL-UG

INDEPENDENT STUDY BCBIO 490 1-5 CREDITS
Prereq: BCBIO 211, junior or senior classification, permission of instructor
Note: Students in the las college may use no more than 9 credits of bcbio 490 and 491 toward graduation
Department permission required.
******* SEE DEPT FOR REFERENCE NUMBERS

INDEPENDENT STUDY BCBIO 490 1-5 CREDITS
Prereq: Permission of instructor
Note: Instructor permission required 1st week.
******* SEE DEPT FOR REFERENCE NUMBERS

BIOINFORMATICS AND COMPUTATIONAL BIO

INDEPENDENT STUDY BCBIO 490 1-5 CREDITS
Prereq: Permission of instructor
Note: Instructor permission required 1st week.
******* SEE DEPT FOR REFERENCE NUMBERS
BIOINFORMATICS AND COMPUTATIONAL BIOL (CONTINUED)

SPECIAL TOPICS BCB 590 VAR. CREDITS
Prereq: PERMISSION OF INSTRUCTOR
1337005 A ARRANGED
MEETS: MAY 19-AUG 8

COOPERATIVE EDUCATN BCB 598 R CREDIT
Prereq: PERMISSION OF THE PROGRAM CHAIR
1828005 A ARRANGED
MEETS: MAY 19-AUG 8

GRAD RESEARCH ROTAT BCB 697 VAR. CREDITS
7827005 A ARRANGED
MEETS: MAY 19-AUG 8

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

BIOLOGICAL SYSTEMS ENGINEERING

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

IND STU BIONRN RSC BSE 490B 1-4 CREDITS
******* SEE DEPT FOR REFERENCE NUMBERS

IND STUDY FOOD ENGR BSE 490B 1-4 CREDITS
******* SEE DEPT FOR REFERENCE NUMBERS

AG&BIOSY ENG TRAVEL BSE 496B R CREDIT
Prereq: PERMISSION OF INSTRUCTOR
Note: Meets international perspectives reqmt
7317800 FR ARRANGED
MEETS: MAY 18-25
Note: SEC TAUGHT IN FRANCE, NANTES & PARIS. TITLE: PRODUCTION & PROCESSING OF SUSTAINABLE, SAFE & NUTRITIONAL FOOD IN FRANCE. STUDY ABROAD SUMMER 2014 Study Abroad Administrative Fee Applies

BIOLOGICAL/PRE-MEDICAL ILLUSTRATION

INDEPENDENT STUDY BPM I 490 1-3 CREDITS
Prereq: WRITTEN APPROVAL OF INSTR & ADVISORY COMM CHAIR ON REQ'D FORM IN ADVANCE OF SEMESTER OF ENROLLMT
******* SEE DEPT FOR REFERENCE NUMBERS

ILLUSTRATION INTERN BPM I 497 1-6 CREDITS
Prereq: JR OR SR CLASSIFICATION IN BPM I. WRITTEN APPROVAL OF SUPERVISING INSTR & ADVISORY COMM CHAIR ON REQ'D FORM IN ADVANCE OF SEMESTER OF ENROLLMT Satisfactory-Fail Only.
******* SEE DEPT FOR REFERENCE NUMBERS

BIOLOGY

INTRODUCTORY BIOL BIOL 101 3 CREDITS
2064005 A MTWRF 12:10-2:20 HORNER H
MEETS: JUNE 16-JULY 11
2064010 B ARRANGED
MEETS: MAY 19-AUG 8
Note: Course delivery is WWW
Section info: http://www.elo.iastate.edu/biology-courses-information/

HUMAN BIOLOGY BIOL 155 3 CREDITS
Prereq: HS BIOLOGY & CHEMISTRY OR BIOL 101
7079005 A ARRANGED
MEETS: MAY 19-AUG 8
Note: Course delivery is WWW

ENVIRONMENTAL BIOLOGY BIOL 173 3 CREDITS
2017005 A ARRANGED
MEETS: MAY 19-AUG 8
Note: Course delivery is WWW
Section info: http://www.elo.iastate.edu/biology-courses-information/

PRIN OF BIOLOGY I BIOL 211 3 CREDITS
Prereq: HIGH SCHOOL BIOLOGY
9468005 A ARRANGED
MEETS: MAY 19-AUG 8
Note: Course delivery is WWW
Section info: http://www.elo.iastate.edu/biology-courses-information/

PRIN OF BIOLOGY II BIOL 212 3 CREDITS
Prereq: HIGH SCHOOL BIOLOGY; H.S. CHEMISTRY OR CREDIT OR ENROLLMENT IN CHEM 163 OR CHM 177
9469005 A ARRANGED
MEETS: MAY 19-AUG 8
Note: Course delivery is WWW

BIOLOGY (CONTINUED)

FUND HUMAN ANATOMY BIOL 255 3 CREDITS
7205005 A ARRANGED
MEETS: MAY 19-AUG 8
Note: Course delivery is WWW

FUND HUMAN ANATOMY LAB BIOL 255L 1 CREDIT
Prereq: CREDIT OR ENROLLMENT IN BIOL 255
6342005 1 TR 9:00-10:00
MT 12:00-1:00
MEETS: MAY 19-JULY 11

ECOLOGY BIOL 312 4 CREDITS
Prereq: BIOL 211L AND BIOL 212L
2069005 A MTWRF 9:50-11:05
MEETS: MAY 19-JULY 11
2069010 B MTWRF 9:50-11:05
TR 12:10-3:00
MEETS: MAY 19-JULY 11

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 263, GEN/BIOI 313/301 AND 313L/301L, GEN/AABIO 320
9472005 1 MTWR 9:40-10:40
MEETS: MAY 19-JULY 11

BIOLOGICAL EVOLUTION BIOL 315 3 CREDITS
Prereq: BIOL 211, BIOL 211L, BIOL 212, BIOL 313 RECOMMEND.
5604005 1 MTWR 11:00-12:15
MEETS: MAY 19-JULY 11
5604010 2 ARRANGED
MEETS: MAY 19-JULY 11
Note: Course delivery is WWW

INTL FIELD TRIP SEM BIOL 394A 1 CREDIT
Prereq: TWO COURSES IN THE BIOLOGICAL SCIENCES AND BY APPROVAL OF APPLICATION
Note: Meets international perspectives reqmt
Satisfactory-Fail Only.
3167800 CR ARRANGED
MACINTOSH G
MEETS: JUNE 9-25
Note: SEC CR TAUGHT IN COSTA RICA. EXPLORING COSTA RICA BIODIVERSITY. STUDY ABROAD SUMMER 2014 Study Abroad Administrative Fee Applies

UG RESEARCH EXPERIENCE BIOL 499 1-6 CREDITS
Prereq: PERMISSION OF INSTRUCTOR
Note: NO MORE THAN 6 CREDITS MAY BE APPLIED TO THE MAJOR
******* SEE DEPT FOR REFERENCE NUMBERS

PRINCIPAL ADVISER BIOL 491 1-2 CREDITS
Prereq: PERMISSION OF INSTRUCTOR
Note: Instructor permission required.
******* SEE DEPT FOR REFERENCE NUMBERS

TOWARDS GRADUATION AND OF THOSE ONLY 6 CREDITS MAY BE APPLIED TO THE MAJOR
******* SEE DEPT FOR REFERENCE NUMBERS

BIOMEDICAL SCIENCES

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

UG TEACHING EXPERIENCE BM S 491 1-2 CREDITS
Prereq: PERMISSION OF SUPERVISING STAFF
Note: Instructor permission required.
******* SEE DEPT FOR REFERENCE NUMBERS

UG RESEARCH EXPERIENCE BM S 499 1-6 CREDITS
Prereq: PERMISSION OF INSTRUCTOR
******* SEE DEPT FOR REFERENCE NUMBERS

INDEP STUDY HONORS BM S 490H 1-5 CREDITS
******* SEE DEPT FOR REFERENCE NUMBERS

UG RESEARCH EXPERIENCE BM S 499 1-6 CREDITS
Prereq: PERMISSION OF INSTRUCTOR
******* SEE DEPT FOR REFERENCE NUMBERS

INDEPENDENT STUDY BM S 491 1-2 CREDITS
Prereq: PERMISSION OF INSTRUCTOR
******* SEE DEPT FOR REFERENCE NUMBERS

UG RESEARCH EXPERIENCE BM S 499 1-6 CREDITS
Prereq: PERMISSION OF INSTRUCTOR
******* SEE DEPT FOR REFERENCE NUMBERS

COOPERATIVE EDUCATION COORDINATOR
Prereq: PERMISSION OF THE PROGRAM CHAIR
Satisfactory-Fail Only.
4546005 A ARRANGED
MEETS: MAY 19-AUG 8

UII STU BIONRN RSC BM S 490H 1-5 CREDITS
******* SEE DEPT FOR REFERENCE NUMBERS
INT’L PRECEPTORSHIP  B M S 496  1-12 CREDITS
Prereq: SECOND-YEAR CLASSIFICATION IN VET MED
6973800  CN ARRANGED  HSU W
MEETS: MAY 17-JUNE 15
Note: SEC CN TAUGHT IN YANGLING SHAANNXI, CHINA.
THE STUDY OF VETERINARY ACUPUNCTURE IN CHINA.
STUDY ABROAD SUMMER 2014. OFFERED FOR 3 CREDITS
Study Abroad Administrative Fee Applies

RES MTBH BIOMED SCI  B M S 501  3 CREDITS
Prereq: GRADUATE CLASSIFICATION, PERMISSION OF A
M’S FACULTY MEMBER
6978005  ARRANGED
MEETS: MAY 19-AUG 8

SPCL TOPICS ANATOMY  B M S 590A  1- 7 CREDITS
Prereq: PERMISSION OF INSTRUCTOR
******* SEE DEPT FOR REFERENCE NUMBERS

SPL TOPC PHYSIOLOGY  B M S 590B  1- 7 CREDITS
Prereq: PERMISSION OF INSTRUCTOR
******* SEE DEPT FOR REFERENCE NUMBERS

CREATIVE COMPONENT  B M S 599  1- 3 CREDITS
Prereq: ENROLLMENT IN B M S GRADUATE PROGRAM,
PERMISSION OF INSTRUCTOR
******* SEE DEPT FOR REFERENCE NUMBERS

ADV TOPICS ANATOMY  B M S 690A  1- 5 CREDITS
Prereq: PERMISSION OF INSTRUCTOR
******* SEE DEPT FOR REFERENCE NUMBERS

ADV TOPC PHYSIOLOGY  B M S 690B  1- 5 CREDITS
Prereq: PERMISSION OF INSTRUCTOR
******* SEE DEPT FOR REFERENCE NUMBERS

ADV TOPIC PHARMACOL  B M S 690C  1- 5 CREDITS
Prereq: PERMISSION OF INSTRUCTOR
******* SEE DEPT FOR REFERENCE NUMBERS

SEMINAR  B M S 698B  1 CREDIT
Prereq: ENROLLMENT IN B M S GRADUATE PROGRAM
Satisfactory-Fail Only.
6995005  ARRANGED
MEETS: MAY 19-JULY 11

RESEARCH ANATOMY  B M S 699A VAR. CREDITS
******* SEE DEPT FOR REFERENCE NUMBERS

RESEARCH PHYSIOLOGY  B M S 699B VAR. CREDITS
******* SEE DEPT FOR REFERENCE NUMBERS

RESEARCH PHARMACOLOGY  B M S 699C VAR. CREDITS
Prereq: PERMISSION OF INSTRUCTOR
******* SEE DEPT FOR REFERENCE NUMBERS

RESEARCH CELL BIOL  B M S 699D VAR. CREDITS
Prereq: PERMISSION OF STUDENT’S MAJOR PROFESSOR
******* SEE DEPT FOR REFERENCE NUMBERS

INDEPENDENT STUDY  BUSAD 490G  1- 3 CREDITS
Note: Instructor permission required.
3065005  ARRANGED
MEETS: MAY 19-AUG 8
Note: Department permission required.

INDEPENDENT STUDY  BUSAD 490H  1- 3 CREDITS
Note: Instructor permission required.
7906005  ARRANGED
MEETS: MAY 19-AUG 8

EXP DOMESTIC INTERN BUSAD 291A  1- 3 CREDITS
Prereq: PERMISSION OF INSTRUCTOR
******* SEE DEPT FOR REFERENCE NUMBERS

EXP DOMESTIC INTERNS BUSAD 491A  1- 3 CREDITS
Prereq: PROFESSIONAL PROGRAM, 12 CREDITS FROM
COLLEGE OF BUSINESS. WRITTEN APPROVAL OF SUPERVISING
INSTRUCTOR AND DEPARTMENT CHAIR ON REQUIRED FORM
PRIOR TO THE LEARNING EXPERIENCE.
******* SEE DEPT FOR REFERENCE NUMBERS

EXP INT’L INTERNSHP BUSAD 491B  1- 3 CREDITS
Prereq: PROFESSIONAL PROGRAM, 12 CREDITS FROM
COLLEGE OF BUSINESS. WRITTEN APPROVAL OF SUPERVISING
INSTRUCTOR AND DEPARTMENT CHAIR ON REQUIRED FORM
PRIOR TO THE LEARNING EXPERIENCE.
******* SEE DEPT FOR REFERENCE NUMBERS

COOPERATIVE EDUC BUSAD 398  R CREDIT
******* SEE DEPT FOR REFERENCE NUMBERS

COOPERATIVE EDUC BUSAD 399  R CREDIT
******* SEE DEPT FOR REFERENCE NUMBERS

COOPERATIVE EDUC BUSAD 490  R CREDIT
******* SEE DEPT FOR REFERENCE NUMBERS

COOPERATIVE EDUC BUSAD 598  R CREDIT
******* SEE DEPT FOR REFERENCE NUMBERS

INDEP STUDY HONORS BUSAD 490H  1- 3 CREDITS
Note: ADMISSION TO THE BUSINESS HONORS PROGRAM
Only. Instructor permission required.
3064005  ARRANGED
MEETS: MAY 19-AUG 8
Note: Department permission required.

PRO EXPERIENTL LRNG BUSAD 591  1- 3 CREDITS
Prereq: GRADUATE STANDING; WRITTEN APPROVAL OF
SUPERVISING INSTRUCTOR AND DEPARTMENT CHAIR ON
REQUIRED FORM PRIOR TO THE LEARNING EXPERIENCE
7533015  DR ARRANGED
MEETS: MAY 19-AUG 8
Note: Department permission required.
7533015  HV ARRANGED
MEETS: MAY 19-AUG 8
Note: SEC HV OFFERED FOR 3 CREDITS
Department permission required.
7533010  JM ARRANGED
MEETS: MAY 19-AUG 8
Note: Department permission required.
7533025  MP ARRANGED
MEETS: MAY 19-AUG 8
Note: Department permission required.

COOPERATIVE EDUC BUSAD 598  R CREDIT
******* SEE DEPT FOR REFERENCE NUMBERS

COOPERATIVE EDUC BUSAD 599  R CREDIT
******* SEE DEPT FOR REFERENCE NUMBERS

EXP INT’L INTERNSHP BUSAD 491B  1- 3 CREDITS
Prereq: PROFESSIONAL PROGRAM, 12 CREDITS FROM
COLLEGE OF BUSINESS. WRITTEN APPROVAL OF SUPERVISING
INSTRUCTOR AND DEPARTMENT CHAIR ON REQUIRED FORM
PRIOR TO THE LEARNING EXPERIENCE.
******* SEE DEPT FOR REFERENCE NUMBERS

COOPERATIVE EDUC BUSAD 490  R CREDIT
******* SEE DEPT FOR REFERENCE NUMBERS

COOPERATIVE EDUC BUSAD 598  R CREDIT
******* SEE DEPT FOR REFERENCE NUMBERS

COOPERATIVE EDUC BUSAD 599  R CREDIT
******* SEE DEPT FOR REFERENCE NUMBERS

COOPERATIVE EDUC BUSAD 490  R CREDIT
******* SEE DEPT FOR REFERENCE NUMBERS

COOPERATIVE EDUC BUSAD 598  R CREDIT
******* SEE DEPT FOR REFERENCE NUMBERS

COOPERATIVE EDUC BUSAD 599  R CREDIT
******* SEE DEPT FOR REFERENCE NUMBERS

INDEP STUDY HONORS BUSAD 490H  1- 3 CREDITS
Note: ADMISSION TO THE BUSINESS HONORS PROGRAM
Only. Instructor permission required.
3064005  ARRANGED
MEETS: MAY 19-AUG 8
Note: Department permission required.

COOPERATIVE EDUC BUSAD 598  R CREDIT
******* SEE DEPT FOR REFERENCE NUMBERS

COOPERATIVE EDUC BUSAD 599  R CREDIT
******* SEE DEPT FOR REFERENCE NUMBERS

COOPERATIVE EDUC BUSAD 490  R CREDIT
******* SEE DEPT FOR REFERENCE NUMBERS

COOPERATIVE EDUC BUSAD 598  R CREDIT
******* SEE DEPT FOR REFERENCE NUMBERS

COOPERATIVE EDUC BUSAD 599  R CREDIT
******* SEE DEPT FOR REFERENCE NUMBERS

COOPERATIVE EDUC BUSAD 490  R CREDIT
******* SEE DEPT FOR REFERENCE NUMBERS

COOPERATIVE EDUC BUSAD 598  R CREDIT
******* SEE DEPT FOR REFERENCE NUMBERS

COOPERATIVE EDUC BUSAD 599  R CREDIT
******* SEE DEPT FOR REFERENCE NUMBERS

COOPERATIVE EDUC BUSAD 490  R CREDIT
******* SEE DEPT FOR REFERENCE NUMBERS

COOPERATIVE EDUC BUSAD 598  R CREDIT
******* SEE DEPT FOR REFERENCE NUMBERS

COOPERATIVE EDUC BUSAD 599  R CREDIT
******* SEE DEPT FOR REFERENCE NUMBERS

COOPERATIVE EDUC BUSAD 490  R CREDIT
******* SEE DEPT FOR REFERENCE NUMBERS

COOPERATIVE EDUC BUSAD 598  R CREDIT
******* SEE DEPT FOR REFERENCE NUMBERS

COOPERATIVE EDUC BUSAD 599  R CREDIT
******* SEE DEPT FOR REFERENCE NUMBERS

COOPERATIVE EDUC BUSAD 490  R CREDIT
******* SEE DEPT FOR REFERENCE NUMBERS

COOPERATIVE EDUC BUSAD 598  R CREDIT
******* SEE DEPT FOR REFERENCE NUMBERS

COOPERATIVE EDUC BUSAD 599  R CREDIT
******* SEE DEPT FOR REFERENCE NUMBERS

COOPERATIVE EDUC BUSAD 490  R CREDIT
******* SEE DEPT FOR REFERENCE NUMBERS

COOPERATIVE EDUC BUSAD 598  R CREDIT
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COOPERATIVE EDUC BUSAD 599  R CREDIT
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COOPERATIVE EDUC BUSAD 490  R CREDIT
******* SEE DEPT FOR REFERENCE NUMBERS

COOPERATIVE EDUC BUSAD 598  R CREDIT
******* SEE DEPT FOR REFERENCE NUMBERS

COOPERATIVE EDUC BUSAD 599  R CREDIT
******* SEE DEPT FOR REFERENCE NUMBERS

COOPERATIVE EDUC BUSAD 490  R CREDIT
******* SEE DEPT FOR REFERENCE NUMBERS

COOPERATIVE EDUC BUSAD 598  R CREDIT
******* SEE DEPT FOR REFERENCE NUMBERS

COOPERATIVE EDUC BUSAD 599  R CREDIT
******* SEE DEPT FOR REFERENCE NUMBERS

COOPERATIVE EDUC BUSAD 490  R CREDIT
******* SEE DEPT FOR REFERENCE NUMBERS

COOPERATIVE EDUC BUSAD 598  R CREDIT
******* SEE DEPT FOR REFERENCE NUMBERS

COOPERATIVE EDUC BUSAD 599  R CREDIT
******* SEE DEPT FOR REFERENCE NUMBERS

COOPERATIVE EDUC BUSAD 490  R CREDIT
******* SEE DEPT FOR REFERENCE NUMBERS

COOPERATIVE EDUC BUSAD 598  R CREDIT
******* SEE DEPT FOR REFERENCE NUMBERS

COOPERATIVE EDUC BUSAD 599  R CREDIT
******* SEE DEPT FOR REFERENCE NUMBERS

COOPERATIVE EDUC BUSAD 490  R CREDIT
******* SEE DEPT FOR REFERENCE NUMBERS

COOPERATIVE EDUC BUSAD 598  R CREDIT
******* SEE DEPT FOR REFERENCE NUMBERS

COOPERATIVE EDUC BUSAD 599  R CREDIT
******* SEE DEPT FOR REFERENCE NUMBERS

COOPERATIVE EDUC BUSAD 490  R CREDIT
******* SEE DEPT FOR REFERENCE NUMBERS

COOPERATIVE EDUC BUSAD 598  R CREDIT
******* SEE DEPT FOR REFERENCE NUMBERS

COOPERATIVE EDUC BUSAD 599  R CREDIT
******* SEE DEPT FOR REFERENCE NUMBERS
BUSINESS ADMINISTRATION  (CONTINUED)

CREATIVE COMPONENT SCM BUSAD 599L 3 CREDITS
Prereq: GRAD CLASSIF, PERMISSION OF SUPERV COMM CHAIR
Restrict to business college graduate students
******* SEE DEPT FOR REFERENCE NUMBERS

RESEARCH BUSAD 699 3-6 CREDITS
Prereq: GRAD CLASSIF, PERMISSION OF MAJOR PROF
Restrict to business college graduate students
******* SEE DEPT FOR REFERENCE NUMBERS

CHEMICAL ENGINEERING

COORDIATIVE EDUC CH E 298 R CREDIT
Prereq: PERMISSION OF DEPARTMENT AND ENGINEERING CAREER SERVICES
******* SEE DEPT FOR REFERENCE NUMBERS

CHEMICAL ENGR LAB I CH E 325 2 CREDITS
Prereq: CH E 357, CREDIT OR ENROLLMENT IN CH E 381
Note: Available for nonmajor graduate credit
Instructor permission required 1st week.
569905 A MTHR 9:00-12:00
MTHR 1:00-5:00 MEETS: MAY 19-JUNE 13

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 reqmt.
Instructor permission required 1st week.
2441800 SP ARRANGED GLATZ C
MEETS: MAY 26-JUNE 27
Note: SEC SP TAUGHT IN OVIEDO, SPAIN. TOPIC: CHEMICAL & BIOLOGICAL ENGINEERING. STUDY ABOROAD
SUMMER 2014
Study Abroad Administrative Fee Applies

SUMMER INTERNSHIP CH E 396 R CREDIT
Prereq: PERMISSION OF DEPARTMENT EACH TIME TAKEN
******* SEE DEPT FOR REFERENCE NUMBERS

COORDIATIVE EDUC CH E 298 R CREDIT
Prereq: CH E 298, PERMISSION OF DEPARTMENT AND ENGINEERING CAREER SERVICES
******* SEE DEPT FOR REFERENCE NUMBERS

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 TOWARDS GRADUATION.
Restrict to ch e seniors graduating summer 2014.
Available for nonmajor graduate credit.
Instructor permission required 1st week.
2448005 A MTHR 9:00-12:00
MTHR 1:00-5:00 MEETS: MAY 19-JUNE 13

UG RESCH/IND STUDY CH E 490 1-6 CREDITS
Prereq: PERMISSION OF DEPARTMENT
Note: NO MORE THAN 6 CREDITS OF CH E 490 MAY BE APPLIED TOWARDS GRADUATION AS TECHNICAL ELECTIVES
******* SEE DEPT FOR REFERENCE NUMBERS

INDEPENDENT STUDY HONORS CH E 490H 1-6 CREDITS
Prereq: MEMBERSHIP IN THE HONORS PROGRAM
Note: COURSE RESTRICTED TO HONORS PROGRAM STUDENTS ONLY
******* SEE DEPT FOR REFERENCE NUMBERS

COORDIATIVE EDUCAT CH E 498 R CREDIT
Prereq: CH E 398, PERMISSION OF DEPARTMENT AND ENGINEERING CAREER SERVICES
******* SEE DEPT FOR REFERENCE NUMBERS

INDEPENDENT STUDY CH E 590 2-6 CREDITS
******* SEE DEPT FOR REFERENCE NUMBERS

SP TOP ADV NTL THY CH E 595B 2-3 CREDITS
Prereq: PERMISSION OF INSTRUCTOR
Note: COURSE ONLY OFFERED FOR 3 CREDITS SUMMER 2014
2472005 ARRANGED MEETS: MAY 19-AUG 8

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

INDEPENDENT STUDY CH E 692 2-6 CREDITS
******* SEE DEPT FOR REFERENCE NUMBERS

ENGINEER INTERNSHIP CH E 697 R CREDIT
Prereq: PERMISSION OF MAJOR PROF, GRAD CLASSIF
2116005 ARRANGED MEETS: MAY 19-AUG 8

CHEMISTRY

COLLEGE CHEMISTRY I CHEM 163 4 CREDITS
Prereq: 1 YR H.S. ALGEBRA AND GEOMETRY AND EITHER CHEM 50 OR 1 YR H.S. CHEMISTRY; AND CREDIT OR
ENROLLMENT IN 163L
Note: MUST BE ACCOMPANYED BY CHEM 163L UNLESS STUDENT ALREADY HAS CREDIT IN 163. CREDIT FOR ONLY ONE OF THE FOLLOWING COURSES (AND ACCOMPANYING LAB) MAY BE APPLIED TOWARD GRADUATION: CHEM 163, CHEM 163L, CHEM 167L, CHEM 177N, CHEM 201
2489005 1 MTHR 12:10-1:10
TR 12:20-1:20 MEETS: MAY 19-JULY 11
Section info: http://avogadro.chem.iastate.edu /chem163/
Syllabus: http://avogadro.chem.iastate.edu/chem163 /syllabus.html
2489010 2 MTHR 12:10-1:10
TR 1:20-2:20 MEETS: MAY 19-JULY 11
Section info: http://avogadro.chem.iastate.edu /chem163/
Syllabus: http://avogadro.chem.iastate.edu/chem163 /syllabus.html

GENERAL CHEM LAB I CHEM 163L 1 CREDIT
Prereq: CREDIT OR ENROLLMENT FOR CREDIT IN CHEM 163
Note: MUST BE ACCOMPANYED BY CHEM 163 UNLESS STUDENT ALREADY HAS CREDIT IN 163. CREDIT FOR ONLY ONE OF THE FOLLOWING COURSES (AND ACCOMPANYING LAB) MAY BE APPLIED TOWARDS GRADUATION: CHEM 163L, CHEM 167L, CHEM 177L, CHEM 177N, CHEM 201
2489005 1 MN 8:40-11:40
MEETS: MAY 19-JULY 11
Section info: http://avogadro.chem.iastate.edu /chem163/
Syllabus: http://avogadro.chem.iastate.edu/chem163 /syllabus.html
2490010 2 MN 8:40-11:40
MEETS: MAY 19-JULY 11
Section info: http://avogadro.chem.iastate.edu /chem163/
Syllabus: http://avogadro.chem.iastate.edu/chem163 /syllabus.html

GENERAL CHEMISTRY I CHEM 177 4 CREDITS
Prereq: MATH 140 OR H.S. EQUIVALENT, CHEM 50 OR 1 YR H.S. CHEM, CR OR ENROLLMENT IN CHEM 177L, CHEM AND BIOCHEM MAJORS MAY CONSIDER TAKING 201.
Note: CREDIT FOR ONLY ONE OF THE FOLLOWING COURSES (AND ACCOMPANYING LAB) MAY BE APPLIED TOWARD GRADUATION: CHEM 163, CHEM 163L, CHEM 177, CHEM 201
2495005 A1 MTHR 9:50-10:50
TR 11:00-12:00 MEETS: MAY 19-JULY 11
Section info: http://avogadro.chem.iastate.edu /chem177/
Syllabus: http://avogadro.chem.iastate.edu/chem177 /syllabus.html
2495010 A2 MTHR 9:50-10:50
TR 11:00-12:00 MEETS: MAY 19-JULY 11
Section info: http://avogadro.chem.iastate.edu /chem177/
Syllabus: http://avogadro.chem.iastate.edu/chem177 /syllabus.html
2495015 A3 MTHR 9:50-10:50
TR 11:00-12:00 MEETS: MAY 19-JULY 11
Section info: http://avogadro.chem.iastate.edu /chem177/
Syllabus: http://avogadro.chem.iastate.edu/chem177 /syllabus.html
2495020 A4 MTHR 9:50-10:50
TR 11:00-12:00 MEETS: MAY 19-JULY 11
Section info: http://avogadro.chem.iastate.edu /chem177/
Syllabus: http://avogadro.chem.iastate.edu/chem177 /syllabus.html

LAB GENERAL CHEM I CHEM 177L 1 CREDIT
Prereq: CREDIT OR ENROLLMENT IN 177
Note: CHEM 177L MUST BE ACCOMPANIED BY CHEM 177 UNLESS STUDENT ALREADY HAS CREDIT IN 177. CREDIT FOR ONLY ONE OF THE FOLLOWING COURSES MAY BE APPLIED TOWARD GRADUATION: CHEM 163L, CHEM 167L, CHEM 177L, CHEM 177N, CHEM 201L
2496005 1 MN 11:00-12:00
MEETS: MAY 19-JULY 11
Section info: http://avogadro.chem.iastate.edu /chem177/
Syllabus: http://avogadro.chem.iastate.edu/chem177 /syllabus.html
2496010 2 MN 11:00-12:00
MEETS: MAY 19-JULY 11
Section info: http://avogadro.chem.iastate.edu /chem177/
Syllabus: http://avogadro.chem.iastate.edu/chem177 /syllabus.html
CHEMISTRY (CONTINUED)

LAB GENERAL CHEM I CHEM 177L 1 CREDIT
2496015 3 TR 12:10-3:10 MEETS: MAY 19-JULY 11
Section info: http://avogadro.chem.iastate.edu
/chem177l/
Syllabus: http://avogadro.chem.iastate.edu/chem177l
/syllabus.html
2496020 4 TR 12:10-3:10 MEETS: MAY 19-JULY 11
Section info: http://avogadro.chem.iastate.edu
/chem177l/
Syllabus: http://avogadro.chem.iastate.edu/chem177l
/syllabus.html

GENERAL CHEMISTRY II CHEM 178 3 CREDITS
Prereq: CHEM 177, CHEM 177L
Note: TESTOUT NOT AVAILABLE TO STUDENTS ALSO REGISTERED
2499005 1 MTWR 11:00-12:00 F 11:00-12:00 MEETS: MAY 19-JULY 11
Section info: http://avogadro.chem.iastate.edu
/chem178/
Syllabus: http://avogadro.chem.iastate.edu/chem178
/syllabus.html
2499010 2 MTWR 11:00-12:00 MEETS: MAY 19-JULY 11
Section info: http://avogadro.chem.iastate.edu
/chem178/
Syllabus: http://avogadro.chem.iastate.edu/chem178
/syllabus.html
2499015 3 MTWR 11:00-12:00 MEETS: MAY 19-JULY 11
Section info: http://avogadro.chem.iastate.edu
/chem178/
Syllabus: http://avogadro.chem.iastate.edu/chem178
/syllabus.html

LAB GENERAL CHEM II CHEM 178L 1 CREDIT
Prereq: CHEM 178L AND CREDIT OR ENROLLMENT IN CHEM 178
2500005 1 TR 12:10-3:10 MEETS: MAY 19-JULY 11
Section info: http://avogadro.chem.iastate.edu
/chem178l/
Syllabus: http://avogadro.chem.iastate.edu/chem178l
/syllabus.html
2500010 2 TR 12:10-3:10 MEETS: MAY 19-JULY 11
Section info: http://avogadro.chem.iastate.edu
/chem178l/
Syllabus: http://avogadro.chem.iastate.edu/chem178l
/syllabus.html
2500015 3 TR 12:10-3:10 MEETS: MAY 19-JULY 11
Section info: http://avogadro.chem.iastate.edu
/chem178l/
Syllabus: http://avogadro.chem.iastate.edu/chem178l
/syllabus.html

ELEM ORGNC CHEM LAB CHEM 231L 1 CREDIT
Prereq: CREDIT OR ENROLLMENT FOR CREDIT IN 231L
163L OR 177L
Note: CREDIT FOR EITHER CHEM 331L OR CHEM 231L, BUT NOT BOTH, MAY BE APPLIED TOWARD GRADUATION. CREDIT FOR EITHER CHEM 231L OR CHEM 331L, BUT NOT BOTH, MAY BE APPLIED TOWARD GRADUATION.
7900005 1 MW 9:50-12:50 MEETS: MAY 19-JULY 11
Section info: http://avogadro.chem.iastate.edu
/chem231l/
Syllabus: http://avogadro.chem.iastate.edu/chem231l
/syllabus.html
7900010 2 TR 9:50-12:50 MEETS: MAY 19-JULY 11
Section info: http://avogadro.chem.iastate.edu
/chem231l/
Syllabus: http://avogadro.chem.iastate.edu/chem231l
/syllabus.html
7900015 3 MW 1:20-4:20 MEETS: MAY 19-JULY 11
Section info: http://avogadro.chem.iastate.edu
/chem231l/
Syllabus: http://avogadro.chem.iastate.edu/chem231l
/syllabus.html

CHEMISTRY (CONTINUED)

FRESHMAN RESEARCH CHEM 299 VAR. CREDITS
Prereq: PERMISSION OF STAFF MEMBER WITH WHOM STUDENT PROPOSES TO WORK
Note: No more than 6 credits of Chem 299 and Chem 499 may be applied toward graduation
****** SEE DEPT FOR REFERENCE NUMBERS

ORGANIC CHEMISTRY I CHEM 331 3 CREDITS
Prereq: CHEM 178 OR CHEM 201, ENROLLMENT IN CHEM 331L HIGHLY RECOMMENDED
Note: CREDIT FOR EITHER CHEM 331L AND 331L, BUT NOT BOTH, MAY BE APPLIED TOWARD GRADUATION
Available for nonmajor graduate credit
5270005 1 TR 9:50-12:50 MEETS: MAY 19-JULY 11
Section info: http://avogadro.chem.iastate.edu
/chem331l/
Syllabus: http://avogadro.chem.iastate.edu/chem331l
/syllabus.html
5270010 2 TR 9:50-12:50 MEETS: MAY 19-JULY 11
Section info: http://avogadro.chem.iastate.edu
/chem331l/
Syllabus: http://avogadro.chem.iastate.edu/chem331l
/syllabus.html
5270015 3 MW 1:20-4:20 MEETS: MAY 19-JULY 11
Section info: http://avogadro.chem.iastate.edu
/chem331l/
Syllabus: http://avogadro.chem.iastate.edu/chem331l
/syllabus.html

LAB ORGANIC CHEM I CHEM 331L 1 CREDIT
Prereq: CREDIT OR ENROLLMENT FOR CREDIT IN CHEM 331L, CHEM 177L
Note: CREDIT FOR EITHER CHEM 331L OR CHEM 231L, BUT NOT BOTH, MAY BE APPLIED TOWARD GRADUATION
5270020 1 MW 9:50-12:50 MEETS: MAY 19-JULY 11
Section info: http://avogadro.chem.iastate.edu
/chem331l/
Syllabus: http://avogadro.chem.iastate.edu/chem331l
/syllabus.html

ORGANIC CHEMISTRY II CHEM 332 3 CREDITS
Prereq: CHEM 332L, ENROLLMENT IN CHEM 332L HIGHLY RECOMMENDED
Note: Available for nonmajor graduate credit
2517005 MTWF 12:10-1:10 MEETS: MAY 19-JULY 11
Section info: http://avogadro.chem.iastate.edu
/chem332l/
Syllabus: http://avogadro.chem.iastate.edu/chem332l
/syllabus.html

LAB ORGANIC CHEM II CHEM 332L 1 CREDIT
Prereq: CHEM 332L, CREDIT OR ENROLLMENT FOR CREDIT IN CHEM 332L
Note: CREDIT IN CHEM 332L OR CHEM 344L, BUT NOT BOTH, MAY BE APPLIED TOWARD GRADUATION
5272005 1 TR 8:40-11:40 MEETS: MAY 19-JULY 11
Section info: http://avogadro.chem.iastate.edu
/chem332l/
Syllabus: http://avogadro.chem.iastate.edu/chem332l
/syllabus.html
5272010 2 TR 8:40-11:40 MEETS: MAY 19-JULY 11
Section info: http://avogadro.chem.iastate.edu
/chem332l/
Syllabus: http://avogadro.chem.iastate.edu/chem332l
/syllabus.html

UNDERGRAD RESEARCH CHEM 399 VAR. CREDITS
Prereq: PERMISSION OF INSTRUCTOR WITH WHOM STUDENT PROPOSES TO WORK AND JR OR SR CLASSIFICATION
Note: No more than 6 credits of Chem 399 and Chem 499 may be applied toward graduation
****** SEE DEPT FOR REFERENCE NUMBERS

INDEPENDENT STUDY CHEM 490 VAR. CREDITS
Prereq: COMPLETION OF 6 CREDITS IN CHEM AT THE 300 LEVEL OR HIGHER AND INSTRUCTOR PERMISSION
Note: No more than 9 credits of Chem 490 may be applied toward graduation
****** SEE DEPT FOR REFERENCE NUMBERS

COOPERATIVE EDUCATION CHEM 498 R CREDIT
Prereq: PERMISSION OF THE DEPT COOPERATIVE EDUCATION COORDINATOR; SENIOR CLASSIFICATION
4841005 ARRANGED MEETS: MAY 19-AUG 8
Section info: http://avogadro.chem.iastate.edu
/chem498/
Syllabus: http://avogadro.chem.iastate.edu/chem498
/syllabus.html
CHEMISTRY (CONTINUED)

SENIOR RESEARCH CHEM 499 2-3 CREDITS
Prereq: PERMISSION OF INSTRUCTOR WITH WHOM STUDENT PROPOSES TO WORK; 8-AUG IN ALL CHEMISTRY, PHYSICS, AND MATHEMATICS COURSES
Note: NO MORE THAN 6 TOTAL CREDITS OF CHEM 499 AND CHEM 399 MAY BE APPLIED TOWARDS GRADUATION

NONTHESIS RESEARCH CHEM 599 VAR. CREDITS
Prereq: PERMISSION OF INSTRUCTOR CONCERNED

SEMINR INORGNC CHEM CHEM 600 1 CREDIT
Prereq: PERMISSION OF INSTRUCTOR

CIVIL ENGINEERING

COOPERATIVE EDUC C E 298 R CREDIT
Prereq: PERMISSION OF DEPT & ENGR CAREER SERVICES
Satisfactory-Fail Only.

PRIN ENVIRONMT ENGR C E 326 3 CREDITS
Prereq: CHEM 177 OR 178, MATH 166, CREDIT OR ENROLLMENT IN E M 178
Note: Available for nonmajor graduate credit

STRUCT ANALYS I C E 332 3 CREDITS
Prereq: E M 324
Note: Available for nonmajor graduate credit

SUMMER INTERNSHIP C E 396 1 CREDIT
Prereq: PERMISSION OF DEPT AND ENGR CAREER SERVICES, COMPLETION OF 2 TERMS IN RESIDENCE IN CIVIL ENGR, EMPLOYMENT IN CIVIL ENGR OR RELATED FIELD
Satisfactory-Fail Only.

INDEPENDENT STUDY C E 490 1-3 CREDITS
Prereq: PERMISSION OF INSTRUCTOR

INDEP STUDY HONORS C E 490H 1-3 CREDITS
Prereq: PERMISSION OF INSTRUCTOR, MEMBERSHIP IN THE HONORS PROGRAM
Note: COURSE RESERVE TO HONORS PROGRAM STUDENTS ONLY

COOPERATIVE EDUC C E 498 R CREDIT
Prereq: 398, PERMISSION OF DEPARTMENT AND ENGINEERING CAREER SERVICES
Satisfactory-Fail Only.

CREATIVE COMPONENT C E 599 1-3 CREDITS

COMMUNICATION STUDIES

INTRO COMMUNIC STDI COMST 101 3 CREDITS
MTWRF 2:30-4:30
MEETS: MAY 19-JUNE 13

INTRO INTERPRS COMM COMST 102 3 CREDITS
MTWRF 9:00-11:50
MEETS: MAY 19-JUNE 6

INTRO COM RSCH MTD COMST 203 3 CREDITS
MTWRF 2:30-4:30
MEETS: MAY 19-JUNE 13

INTERCULTURAL COMM COMST 310 3 CREDITS
COMST 101, COMST 102, COMST 203
MEETS: MAY 19-JUNE 13

COMMUNITY & REGIONAL PLANNING

PRACTICUM C R P 330 1-3 CREDITS
Prereq: MAJOR IN COMMUNITY AND REGIONAL PLANNING

PRO WORK EXPERIENCE C R P 410 R CREDIT
Prereq: PERMISSION OF DEPARTMENT CHAIR

INDEPENDENT STUDY C R P 490 1-3 CREDITS
Prereq: WRITTEN APPROVAL OF INSTRUCTOR AND DEPARTMENT CHAIR ON REQUIRED FORM
Note: Instructor permission required 1st week.
Satisfactory-Fail Only.

COMMUNICAL STUDIES

ABRD:BLDG ROM EMPIR CL ST 385X 3 CREDITS
Prereq: CL ST 384X

STUDY ABROAD GREECE CL ST 395 2-6 CREDITS
Prereq: 394
Note: PERMISSION OF INSTRUCTOR REQUIRED TO ADD. PROCESS APPROVED ADD SLIP IN 10 ENRL SC.

ACADEMIC & RESEARCH

RESEARCH C E 690 1-3 CREDITS
본문 이후의 내용들은 아래에 계속된다.
COMMUNITY & REGIONAL PLANNING
(Continued)

INDEPENDENT STUDY HONORS CPR 490H 1-3 CREDITS
Prereq: Written approval of instructor and department chair on required form. Membership in University honors program only.
Note: Restricted to members of University honors program only. Instructor permission required 1st week.
Satisfactory-Fail Only.
******** SEE DEPT FOR REFERENCE NUMBERS

PRO WORK EXPERIENCE CPR 510 R CREDIT
******** SEE DEPT FOR REFERENCE NUMBERS

PRACTICUM CPR 530 1-3 CREDITS
Prereq: Graduate classification in CPR.
Note: Instructor permission required 1st week.
Satisfactory-Fail Only.

COMPUTER ENGINEERING

DIG LOGIC, PROCORP P 1 CPR E 281 4 CREDITS
Prereq: Sophomore classification
3721005 A MTWRF 9:10-10:50
MEETS: MAY 19-JULY 11
7321010 B MTWRF 9:10-10:50
MEETS: MAY 19-JULY 11

EMBEDDED SYS 1 INTRO CPR E 288 4 CREDITS
Prereq: CPR E 281, COM S 207 or 227 or E 285
3364005 A MTWRF 8:40-9:40
MEETS: MAY 19-JULY 11
3364010 B MTWRF 8:40-9:40
MEETS: MAY 19-JULY 11

COOPERATIVE EDUCATION CPR E 298 R CREDIT
Prereq: Permission of department and engineering career services
******** SEE DEPT FOR REFERENCE NUMBERS

SUMMER INTERNSHIP CPR E 396 R CREDIT
Prereq: Permission of department and engineering career services
******** SEE DEPT FOR REFERENCE NUMBERS

HONORS INDEPENDENT STUDY CPR E 490H VAR. CREDITS
Prereq: Senior classification in computer engineering. Membership in University honors program only.
Note: Course restricted to honors program students only. Instructor permission required 1st week.
******** SEE DEPT FOR REFERENCE NUMBERS

INDEPENDENT STUDY CPR E 490 VAR. CREDITS
Note: Restricted to members of University honors program only.
******** SEE DEPT FOR REFERENCE NUMBERS

COOPERATIVE EDUCATION CPR E 498 R CREDIT
Prereq: 281, permission of department and engineering career services
******** SEE DEPT FOR REFERENCE NUMBERS

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 19-AUG 8
Note: Department permission required.

RESEARCH CPR E 699 VAR. CREDITS
Note: Instructor permission required.
******** SEE DEPT FOR REFERENCE NUMBERS

COMPUTER SCIENCE

COMPUTER APPLICATIONS COM S 103 4 CREDITS
2673005 1 ARRANGED
MEETS: JUNE 16-AUG 8
Note: Course delivery is WWW
Section info: http://www.cs.iastate.edu/~cs103w

2673010 2 ARRANGED
MEETS: JUNE 16-AUG 8
Note: Course delivery is WWW
Section info: http://www.cs.iastate.edu/~cs103w

2673015 3 ARRANGED
MEETS: JUNE 16-AUG 8
Note: Course delivery is WWW
Section info: http://www.cs.iastate.edu/~cs103w

APPLIED COMPUTER PROGRAM COM S 107 3 CREDITS
2674005 A ARRANGED
MEETS: MAY 19-JULY 11
Note: Course delivery is WWW

FUNDAMENTALS OF PLACEMENT INTO COM S 140/141/142 OR HIGHER
Note: Credit for either COM S 207 OR COM S 227, but may be applied toward graduation
9235005 A MTWRF 11:00-12:00
MEETS: MAY 19-JULY 11
CRIMINAL JUSTICE STUDIES

PHILOSOPHY OF LAW CJ ST 332 3 CREDITS
Prereq: PHIL 201 OR 230
Note: Available for nonmajor graduate credit
Instructor permission required 1st week.
2578005 A MTWR 8:40-10:40 MEETS: MAY 19-JUNE 13

CRIMINAL JUSTICE STUDIES (CONTINUED)

CRIM & JUV JUST PRAC CJ ST 460 3-12 CREDITS
Prereq: JR OR SR CLASSIFICATION; PERMISSION OF CJ ST COORDINATOR; MAJOR OR MINOR IN SOC, OR CJ ST MINOR
Note: NO MORE THAN 12 CREDITS OF FIELD EXPERIENCE (SOC 454 & SOC/CJ ST 460) MAY BE APPLIED TOWARD
GRADUATION. NO CREDITS IN SOC/CJ ST 460 MAY BE USED TO SATISFY MINIMUM SOCIOLOGY REQUIREMENTS FOR
SOCILOGY MAJORS.
Satisfactory-Fail Only.
2581005 A ARRANGED MEETS: MAY 19-Aug 8

CURRICULUM & INSTRUCTION

7-12 CLASSRM TECNCL C I 202 3 CREDITS
Note: COURSE RESTRICTED TO MAJORS OTHER THAN ECE, EL ED
2464005 1 MWF 8:40-9:45 TR 8:40-10:40 MEETS: JUNE 9-Aug 1
Note: Materials and equipment use fee $25.00
SOC FOUND U.S. EDUC C I 204 3 CREDITS
6278005 1 MTWR 9:50-12:00 MEETS: MAY 19-JUNE 19

RDG&LANG ARTS K-3RD C I 377 4 CREDITS
Prereq: C I 245, SP ED 250, HD FS 240, HD FS 226 (EL ED MAJORS) OR 221 (ECE MAJORS); CONCURRENT ENR IN
448, 468A, 468C (EL ED) OR 438, 468F, 468G; HD FS 349, HD FS 343 (ECE); ADMISSION TO TEACHER ED PROGRAM
Note: COURSE RESTRICTED TO EL ED MAJORS WITH FULL OR TENTATIVE ADMISSION TO THE UNIVERSITY TEACHER EDUCATION PROGRAM. TAKE CONCURRENTLY WITH 448A, 448F, 448G.
2066005 1 MTWR 8:45-12:25 MEETS: MAY 12-JUNE 5

RDG&LANG ARTS 4TH-6TH C I 378 4 CREDITS
Prereq: 377; CONCURRENT ENRLMT IN 449, 468B, 468D
Note: TAKE CONCURRENTLY WITH 448D, 378; 468B, 378
RESTRICTED TO STUDENTS WITH FULL OR TENTATIVE ADMISSION TO THE UNIVERSITY TEACHER EDUCATION PROGRAM. TAKE CONCURRENTLY WITH 448D, 378.
2078005 1 MTWR 8:00-11:40 MEETS: MAY 12-JUNE 5

INTRO MLTCTRL FND C I 406 3 CREDITS
Prereq: 201 OR 202, 332 OR 333, JUNIOR CLASSIFICATION, ADMISSION TO TEACHER ED PROGRAM
Note: RESTRICTED TO STUDENTS WITH FULL OR TENTATIVE ADMISSION TO THE UNIVERSITY TEACHER EDUCATION PROGRAM
Meets U.S. diversity regmt
6292005 1 MTWR 2:30-5:00 MEETS: MAY 19-JUNE 13

PRIN DISTANCE LEARN C I 407 3 CREDITS
Prereq: 201 OR 202; CONVENIENT ACCESS TO THE WEB
4037005 1 ARRANGED MEETS: MAY 12-JUNE 14
Note: ONE MEETING AT CAMPUS DATE AND TIME TO BE ANN.

PRINCIPS SECDNY ED C I 426 3 CREDITS
Prereq: 202, SR CLASSIFICATION, ADMISSION TO TEACHER EDUCATION PROGRAM
Note: RESTRICTED TO STUDENTS WITH FULL OR TENTATIVE ADMISSION TO THE UNIVERSITY TEACHER EDUCATION PROGRAM
6293005 1 MTWR 11:00-12:15 MEETS: MAY 19-JUNE 13

TCNG OF SOC STUDIES C I 443 3 CREDITS
Prereq: 377
Note: COURSE RESTRICTED TO EL ED, ECE MAJORS
3258005 MTWR 9:00-11:30 MEETS: JULY 7-31

TCNG CHILDREN MATH C I 448 3 CREDITS
Prereq: MATH 135, 136; CONCURRENT ENROLLMENT IN MATH 137, 468A, 468C
Note: COURSE RESTRICTED TO EL ED MAJORS ONLY.
MUST BE TAKEN CONCURRENTLY WITH 468C, 377, 468A.
Department permission required 1st week.
3260005 1 MTWR 1:00-3:15 MEETS: MAY 12-JUNE 6

TEACHING OF SCIENCE C I 449 3 CREDITS
Prereq: 449, CONCURRENT ENROLLMENT IN 378, 468B, 468D, JUNIOR CLASSIFICATION
Note: COURSE RESTRICTED TO EL ED MAJORS ONLY.
MUST BE TAKEN CONCURRENTLY WITH 449, 378, 468B.
Department permission required 1st week.
3261005 1 MTWR 12:10-2:30 MEETS: MAY 12-JUNE 6
**EMERG TOPC DGTL TEC** C I 454 1 - 3 CREDITS  
Prereq: 201 OR 202  
Note: Course only offered for 1 credit summer 2014  
9436005 1 ARRANGED  
MEETS: JUNE 9-20

**RDNG&LANGUAG TCHNOL** C I 456 3 CREDITS  
Prereq: 201 OR 202, 207, 377  
Note: Department permission required 1st week.  
3257005 1 MTWRF 8:00-12:00  
MEETS: MAY 12-23

**PRA PRIMRY RDG&LANG** C I 468A 1 CREDIT  
Prereq: 245,250,268; Admission to Teacher Ed Program  
Note: Course restricted to EL ED Majors with Full or Tentative Admission to the University Teacher Education Program. Take concurrently with 377,448,468C.  
Department permission required 1st week.  
Satisfactory-Fail Only.  
3265005 1 MTWRF 7:30-12:30  
MEETS: JUNE 6-27

**IND SPENR MTHD TCHG** C I 490E 1 - 3 CREDITS  
Prereq: GPA of 2.5 or more for preceding semester  
******  
SEE DEPT FOR REFERENCE NUMBERS

**PRA RDG&LANG INTRMD** C I 468B 1 CREDIT  
Prereq: 245,250,268; Admission to Teacher Ed Program  
Note: Course restricted to EL ED Majors with Full or Tentative Admission to the University Teacher Education Program. Take concurrently with 378,449,468D.  
Department permission required 1st week.  
Satisfactory-Fail Only.  
3266005 1 MTWRF 7:30-12:30  
MEETS: JUNE 6-27

**TCHG PRACTICUM MATH** C I 468C 1 CREDIT  
Prereq: 245,250,268; Admission to Teacher Ed Program  
Note: Course restricted to EL ED Majors with Full or Tentative Admission to the University Teacher Education Program. Must be taken concurrently with 448,468A,377.  
Department permission required 1st week.  
Satisfactory-Fail Only.  
3267005 1 MTWRF 7:30-12:30  
MEETS: JUNE 6-27

**TCHNG PRACTICUM SCI** C I 468D 1 CREDIT  
Prereq: 245,250,268; Admission to Teacher Ed Program  
Note: Course restricted to EL ED Majors with Full or Tentative Admission to the University Teacher Education Program. Concurrently with 449,378,468B.  
Department permission required 1st week.  
Satisfactory-Fail Only.  
3268005 1 MTWRF 7:30-12:30  
MEETS: JUNE 6-27

**PRACT READING ENDORS** C I 468R 1 CREDIT  
Prereq: Permission of Dept; Concurrent Enrollment in C I 478; Admission to Teacher Ed Program  
Note: Restricted to Students with Full or Tentative Admission to the University Teacher Education Program. Department permission required 1st week.  
Satisfactory-Fail Only.  
4300005 1 MTMF 7:30-12:30  
MEETS: JUNE 6-27  
Note: Professional support, field trips 4/or travel fee $90.00

**SUPVS TUTOR READING** C I 488 3 CREDITS  
Prereq: Successful completion of C I 416 OR C I 417 and Concurrent Enrollment in C I 417 or Completion of One Course in Corrective Reading/Diagnosis and Correction of Reading Problems  
9461005 1 MTWRF 8:45-10:45  
ARRANGED  
MTWF: JUNE 9-10:30  
MEETS: JUNE 9-JULY 10  
Note: The experience portion of the course - 9:00-10:30 - will meet June 11-July 2 only  
Materials and equipment use fee $25.00  
9461010 2 MTWRF 8:45-10:45  
ARRANGED  
MTWF: JUNE 9-10:30  
MEETS: JUNE 9-JULY 10  
Note: The experience portion of the course - 9:00-10:30 - will meet June 11-July 2 only  
Materials and equipment use fee $25.00

**INDEP STU MUSC ED** C I 490A 1-3 CREDITS  
Prereq: GPA of 2.5 or more for preceding semester  
******  
SEE DEPT FOR REFERENCE NUMBERS

**INDEP STU PRN EDUC** C I 490D 1 - 3 CREDITS  
Prereq: 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  
Prereq: GPA of 2.5 or more for preceding semester  
******  
SEE DEPT FOR REFERENCE NUMBERS

**IND STU MATH EDUC** C I 490M 1 - 3 CREDITS  
Prereq: GPA of 2.5 or more for preceding semester  
******  
SEE DEPT FOR REFERENCE NUMBERS

**IND STU MATH EDUC** C I 490N 1 - 3 CREDITS  
Prereq: GPA of 2.5 or more for preceding semester  
******  
SEE DEPT FOR REFERENCE NUMBERS

**IND STU MATH EDUC** C I 490O 1 - 3 CREDITS  
Prereq: GPA of 2.5 or more for preceding semester  
******  
SEE DEPT FOR REFERENCE NUMBERS

**IND STU MATH EDUC** C I 490P 1 - 3 CREDITS  
Prereq: GPA of 2.5 or more for preceding semester  
******  
SEE DEPT FOR REFERENCE NUMBERS

**IND STU MATH EDUC** C I 490Q 1 - 3 CREDITS  
Prereq: GPA of 2.5 or more for preceding semester  
******  
SEE DEPT FOR REFERENCE NUMBERS

**IND STU MATH EDUC** C I 490R 1 - 3 CREDITS  
Prereq: GPA of 2.5 or more for preceding semester  
******  
SEE DEPT FOR REFERENCE NUMBERS

**IND STU MATH EDUC** C I 490S 1 - 3 CREDITS  
Prereq: GPA of 2.5 or more for preceding semester  
******  
SEE DEPT FOR REFERENCE NUMBERS

**IND STU MATH EDUC** C I 490T 1 - 3 CREDITS  
Prereq: GPA of 2.5 or more for preceding semester  
******  
SEE DEPT FOR REFERENCE NUMBERS

**IND STU MATH EDUC** C I 490U 1 - 3 CREDITS  
Prereq: GPA of 2.5 or more for preceding semester  
******  
SEE DEPT FOR REFERENCE NUMBERS

**IND STU MATH EDUC** C I 490V 1 - 3 CREDITS  
Prereq: GPA of 2.5 or more for preceding semester  
******  
SEE DEPT FOR REFERENCE NUMBERS

**IND STU MATH EDUC** C I 490W 1 - 3 CREDITS  
Prereq: GPA of 2.5 or more for preceding semester  
******  
SEE DEPT FOR REFERENCE NUMBERS

**INTRO SCIENCE LEAD** C I 514 2 CREDITS  
Prereq: Admission to Ed Practicum Program  
8372005 MTW 5:30-8:30PM  
ARRANGED  
MEETS: MAY 12-28  
Note: The only Tuesday meeting is May 27

**PRIN DISTANCE LEARN** C I 507 3 CREDITS  
Prereq: 501; Convenient Access to the Web  
4384005 1 ARRANGED  
MEETS: MAY 12-JUNE 14  
Note: One Meeting at Campus - Date and Time to be Ann.

**PRIN SECONDARY EDUC** C I 526 3 CREDITS  
Prereq: 6 Credits in Education  
7724005 1 MTWRF 1:00-3:15  
MEETS: MAY 19-JUNE 13

**ADV PEDAG SCIENC ED** C I 546 3 CREDITS  
Prereq: BACHELOR'S DEGREE  
3527005 1 MTWRF 2:00-5:00  
MEETS: MAY 12-30

**RESTRUCT SCIENC ACTV** C I 548 3 CREDITS  
Prereq: Admission to Teacher Education or Teaching License Program  
8417005 1 MTWRF 10:50-1:50  
MEETS: MAY 12-30

**CORRECTIVE READING** C I 552 3 CREDITS  
Prereq: 178 or EQUIVALENT; Undergrad students must register concurrently for SP ED 365, 436; Graduate student must have a TEACHING LICENSE  
3276005 1 MTWRF 11:00-2:00  
ARRANGED  
MEETS: JUNE 9-JULY 10  
Note: The arranged time represents one hour per day WWW

**TCH STRUGL ADOL RDR** C I 553 3 CREDITS  
Prereq: Teaching License  
7267005 1 MTW 2:30-5:00  
MEETS: MAY 2-26

**LITRACY,LDORSHIP,ADV** C I 555 3 CREDITS  
Prereq: Graduation Standing  
9148005 1 ARRANGED  
MEETS: JUNE 9-27  
Note: The arranged time represents www work  
Course delivery is www
CURRICULUM & INSTRUCTION (CONTINUED)

TCHNOL IN READ&LANG  C I  556  3 CREDITS
Prereq: 9 GRADUATE CREDITS IN EDUCATION
1285005  1 MTWR 8:00-12:00
MEETS: MAY 12-23

SUPVS TUTOR READING  C I  588  3 CREDITS
Prereq: GRADUATE STATUS, TEACHING LICENSE AND
CONCURRENT ENROLLMENT IN OR COMPLETION OF ONE COURSE
CORRECTIVE READING; DIAGNOSIS AND CORRECTION OF
READING PROBLEMS
9245005  1 MTWR 8:45-10:45
9245010  2 MTWR 8:45-10:45
ARRANGED
MEETS: JUNE 9-JULY 10
Note: THE 9-10:30 EXPERIENCE MEETS ONLY JUNE 11-JULY 2

SPCL TOP CURRICULUM  C I  590A  1-3 CREDITS
Prereq: 9 GRADUATE CREDITS IN EDUCATION
******* SEE DEPT FOR REFERENCE NUMBERS

SPCL TOP DIGITL LRNG  C I  590B  1-3 CREDITS
Prereq: 9 GRADUATE CREDITS IN EDUCATION
******* SEE DEPT FOR REFERENCE NUMBERS

SP TOP SCIENCE EDUC  C I  590C  1-3 CREDITS
Prereq: 9 GRADUATE CREDITS IN EDUCATION
******* SEE DEPT FOR REFERENCE NUMBERS

SPL TOPICS SEC EDUC  C I  590D  1-3 CREDITS
Prereq: 9 GRADUATE CREDITS IN EDUCATION
******* SEE DEPT FOR REFERENCE NUMBERS

SPL TOPICS MATH EDUC  C I  590E  1-3 CREDITS
Prereq: 9 GRADUATE CREDITS IN EDUCATION
******* SEE DEPT FOR REFERENCE NUMBERS

SPL TOPICS Elem ED  C I  590I  1-3 CREDITS
Prereq: 9 GRADUATE CREDITS IN EDUCATION
******* SEE DEPT FOR REFERENCE NUMBERS

SPL TOP WORLD LANGU  C I  590J  1-3 CREDITS
Prereq: 9 GRADUATE CREDITS IN EDUCATION
******* SEE DEPT FOR REFERENCE NUMBERS

SPL TOP LITERACY ED C I  590M  1-3 CREDITS
Prereq: 9 GRADUATE CREDITS IN EDUCATION
******* SEE DEPT FOR REFERENCE NUMBERS

CRTV COMP CURRICULUM  C I  599A  1-3 CREDITS
Prereq: 9 GRADUATE CREDITS IN EDUCATION
******* SEE DEPT FOR REFERENCE NUMBERS

CR COMP DIGITL LRNG  C I  599B  1-3 CREDITS
Prereq: 9 GRADUATE CREDITS IN EDUCATION
******* SEE DEPT FOR REFERENCE NUMBERS

CRT COMP SCIENCE ED C I  599C  1-3 CREDITS
Prereq: 9 GRADUATE CREDITS IN EDUCATION
******* SEE DEPT FOR REFERENCE NUMBERS

CRTV COMP SECNRD ED  C I  599D  1-3 CREDITS
Prereq: 9 GRADUATE CREDITS IN EDUCATION
******* SEE DEPT FOR REFERENCE NUMBERS

CR COMP MULTICUL ED  C I  599F  1-3 CREDITS
Prereq: 9 GRADUATE CREDITS IN EDUCATION
******* SEE DEPT FOR REFERENCE NUMBERS

CRTV COMP MATH EDUC  C I  599G  1-3 CREDITS
Prereq: 9 GRADUATE CREDITS IN EDUCATION
******* SEE DEPT FOR REFERENCE NUMBERS

CRTV COMPON Elem ED  C I  599I  1-3 CREDITS
Prereq: 9 GRADUATE CREDITS IN EDUCATION
******* SEE DEPT FOR REFERENCE NUMBERS

CRTV COMP ED PSYCH  C I  599K  1-3 CREDITS
Prereq: 9 GRADUATE CREDITS IN EDUCATION
******* SEE DEPT FOR REFERENCE NUMBERS

CRTV COMP LITERC ED  C I  599M  1-3 CREDITS
Prereq: 9 GRADUATE CREDITS IN EDUCATION
******* SEE DEPT FOR REFERENCE NUMBERS

CURRICULUM & INSTRUCTION (CONTINUED)

ADV SP TOP CURRIC  C I  690A VAR. CREDITS
Prereq: 9 GRADUATE CREDITS IN EDUCATION
******* SEE DEPT FOR REFERENCE NUMBERS

ADV SP TOP DGTL LRNG  C I  690B VAR. CREDITS
Prereq: 9 GRADUATE CREDITS IN EDUCATION
******* SEE DEPT FOR REFERENCE NUMBERS

ADV SP TOP SCI ED C I  690C VAR. CREDITS
Prereq: 9 GRADUATE CREDITS IN EDUCATION
******* SEE DEPT FOR REFERENCE NUMBERS

ADV SP TOP SEC ED C I  690D VAR. CREDITS
Prereq: 9 GRADUATE CREDITS IN EDUCATION
******* SEE DEPT FOR REFERENCE NUMBERS

ADV SP TOP MLTICUL  C I  690F VAR. CREDITS
Prereq: 9 GRADUATE CREDITS IN EDUCATION
******* SEE DEPT FOR REFERENCE NUMBERS

ADV SP TOP MATH ED C I  690G VAR. CREDITS
Prereq: 9 GRADUATE CREDITS IN EDUCATION
******* SEE DEPT FOR REFERENCE NUMBERS

ADV SP TOP ED PSYC C I  690K VAR. CREDITS
Prereq: 9 GRADUATE CREDITS IN EDUCATION
******* SEE DEPT FOR REFERENCE NUMBERS

ADV SP TOP LITERACY ED C I  690M VAR. CREDITS
Prereq: 9 GRADUATE CREDITS IN EDUCATION
******* SEE DEPT FOR REFERENCE NUMBERS

RESEARCH CURRICULUM  C I  699A VAR. CREDITS
Prereq: 9 GRADUATE CREDITS IN EDUCATION
******* SEE DEPT FOR REFERENCE NUMBERS

RSRCH DIGITAL LEARN C I  699B VAR. CREDITS
Prereq: 9 GRADUATE CREDITS IN EDUCATION
******* SEE DEPT FOR REFERENCE NUMBERS

RSRCH SCIENCE EDUC  C I  699C VAR. CREDITS
Prereq: 9 GRADUATE CREDITS IN EDUCATION
******* SEE DEPT FOR REFERENCE NUMBERS

RSRCH SECNDRY EDUC C I  699D VAR. CREDITS
Prereq: 9 GRADUATE CREDITS IN EDUCATION
******* SEE DEPT FOR REFERENCE NUMBERS

RSRCH MULTICULTRL ED C I  699G VAR. CREDITS
Prereq: 9 GRADUATE CREDITS IN EDUCATION
******* SEE DEPT FOR REFERENCE NUMBERS

RSRCH ELEM EDUC  C I  699I VAR. CREDITS
Prereq: 9 GRADUATE CREDITS IN EDUCATION
******* SEE DEPT FOR REFERENCE NUMBERS

RSRCH WRLD LANGU ED C I  699J VAR. CREDITS
Prereq: 9 GRADUATE CREDITS IN EDUCATION
******* SEE DEPT FOR REFERENCE NUMBERS

RSRCH EDUC PSYCHOL C I  699K VAR. CREDITS
Prereq: 9 GRADUATE CREDITS IN EDUCATION
******* SEE DEPT FOR REFERENCE NUMBERS

RSRCH LITERACY ED C I  699M VAR. CREDITS
Prereq: 9 GRADUATE CREDITS IN EDUCATION
******* SEE DEPT FOR REFERENCE NUMBERS

DANCE

INDEPENDENT STUDY DANCE 490 1-3 CREDITS
Prereq: 6 CR IN DANCE, PERMISSION OF COORDINATOR
Note: Instructor permission required 1st week.
******* SEE DEPT FOR REFERENCE NUMBERS

INDEPENDENT STUDY DANCE 490H 1-3 CREDITS
Prereq: 6 CR IN DANCE, PERMISSION OF COORDINATOR,
MEMBERSHIP IN UNIVERSITY HONORS PROGRAM
Note: Instructor permission required 1st week.
******* SEE DEPT FOR REFERENCE NUMBERS

DESIGN STUDIES

PRACTICAL EXPERIENC DSN  S 310  1-3 CREDIT
Prereq: PERMISSION OF ADVISER OR COORDINATOR
5669005 ARRANGED
MEETS: MAY 19-AUG 8
INDEPENDENT STUDY  E M  490  VAR. CREDITS
Prereq: SENIOR CLASSIFICATION IN ELECTRICAL ENGR
Note: Instructor permission required 1st week.
******* SEE DEPT FOR REFERENCE NUMBERS

INDEPENDENT STUDY HONORS  E M  490H  VAR. CREDITS
Prereq: SENIOR CLASSIFICATION IN ELECTRICAL ENGR
Note: COURSE RESTRICTED TO HONORS PROGRAM STUDENTS ONLY
Instructor permission required 1st week.
******* SEE DEPT FOR REFERENCE NUMBERS

COOPERATIVE EDUC  E E  498  R CREDIT
Prereq: E E 398, PERMISSION OF DEPARTMENT AND
ENGINEERING CAREER SERVICES
******* SEE DEPT FOR REFERENCE NUMBERS

SPL TOP ELECTR MTRLS  E E  590A  1-6 CREDITS
******* SEE DEPT FOR REFERENCE NUMBERS

SPL TOP ELECTR PWR  E E  590F  1-6 CREDITS
******* SEE DEPT FOR REFERENCE NUMBERS

SPL TOP EL DEVICES  E E  590H  1-6 CREDITS
******* SEE DEPT FOR REFERENCE NUMBERS

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

ENGINEERING INTERNSHIP  E E  697  R CREDIT
5716005 ARRANGED
MEETS: MAY 19-AUG 8
Note: Department permission required.

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

STATICS OF ENGINEER  E M  274  3 CREDITS
Prereq: CREDIT OR ENROLLMENT IN MATH 164;
CREDIT OR ENROLLMENT IN PHYS 111 OR PHYS 221
3004005 1 MTWRF 8:40-9:40
MEETS: MAY 19-JULY 11

MECH OF MATERIALS  E M  324  3 CREDITS
Prereq: E M 274
Note: Available for nonmajor graduate credit
3007005 1 MTWRF 9:50-10:50
MEETS: MAY 19-JULY 11

MECH OF MATERLS LAB  E M  327  1 CREDIT
Prereq: CREDIT OR ENROLLMENT IN E M 324
Note: Available for nonmajor graduate credit
3008005 1 TR 11:00-1:00
MEETS: MAY 19-JULY 11
3008010 2 TR 8:40-10:40
MEETS: JUNE 24-AUG 7
Note: SECTION 2 RESTRICTED TO C E MAJORS NEW TO ISU SUMMER 2014
3008015 3 TR 2:30-4:30
MEETS: JUNE 24-AUG 7
Note: SECTION 3 RESTRICTED TO C E MAJORS NEW TO ISU SUMMER 2014

DYNAMICS  E M  345  3 CREDITS
Prereq: E M 274, CR OR ENROLLMENT IN MATH 266 OR
MATH 267
3010005 1 MTWRF 8:40-9:40
MEETS: MAY 19-JULY 11
Note: SECTION 1 RESTRICTED TO ENGR COLLEGE MAJORS ONLY

INDEPENDENT STUDY  E M  490  VAR. CREDITS
Prereq: PERMISSION OF INSTRUCTOR
******* SEE DEPT FOR REFERENCE NUMBERS

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

ENGINEERING INTERNSHIP  E M  697  R CREDIT
8134005 ARRANGED
MEETS: MAY 19-AUG 8
Note: Instructor permission required.

ENGINEERING MECHANICS (CONTINUED)

INDEPENDENT STUDY HONORS  E M  490H  VAR. CREDITS
Prereq: PERMISSION OF INSTRUCTOR
******* SEE DEPT FOR REFERENCE NUMBERS

INTEGRATIVE ENGLISH  ENGL  150  3 CREDITS
Prereq: CREDIT OR ENROLLMENT IN ENGL 100
Note: AVAILABLE FOR NONMAJOR GRADUATE CREDIT
3298005 A MTWRF 8:40-9:40
MEETS: JUNE 16-AUG 8
3298015 B MTWRF 9:50-10:50
MEETS: JUNE 16-AUG 8
3298025 C MTWRF 11:00-12:00
MEETS: JUNE 16-AUG 8
3298030 D MTWRF 9:50-10:50
MEETS: MAY 19-JULY 11
ENGLISH (CONTINUED)

WRIT, ORAL, EL COMPOS ENGL 250 3 CREDITS
Prereq: ENGL 150 OR EXEMPTION FROM ENGL 150; CREDIT FOR OR CONCURRENT ENROLLMENT IN LBR 160
Note: SOME SECTIONS WILL BE TAUGHT IN A COMPUTER LAB
3299005 A MTHRFR 9:50-10:50 MEETS: MAY 19-JULY 11
3299010 B MTHRFR 9:50-10:50 MEETS: JUNE 16-AUG 8
3299015 C MTHRFR 11:00-12:00 MEETS: JUNE 16-AUG 8
3299020 D MTHRFR 8:40-9:40 MEETS: JUNE 16-AUG 8
3299030 E MTHRFR 12:10-1:10 MEETS: JUNE 16-AUG 8

BUSINESS COMMUNICAT ENGL 302 3 CREDITS
Prereq: ENGL 250, JUNIOR CLASSIFICATION
Note: COURSE NOT OPEN TO FRESHMEN, SOPHOMORES, AND GRADUATE STUDENTS. SOME SECTIONS WILL BE TAUGHT IN A COMPUTER LAB.
3314005 1 MTHRFR 8:40-9:40 MEETS: JUNE 16-AUG 8
3314010 2 MTHRFR 8:40-9:40 MEETS: MAY 19-JULY 11
3314015 3 MTHRFR 9:50-10:50 MEETS: MAY 19-JULY 11
3314020 4 MTHRFR 9:50-10:50 MEETS: MAY 19-JULY 11
3314025 5 MTHRFR 11:00-12:00 MEETS: MAY 19-JULY 11
3314030 6 MTHRFR 11:00-12:00 MEETS: MAY 19-JULY 11
3314035 7 MTHRFR 1:20-2:20 MEETS: MAY 19-JULY 11
3314040 8 MTHRFR 1:20-2:20 MEETS: JUNE 16-AUG 8
3314045 9 MTHRFR 12:10-1:10 MEETS:JUNE 16-AUG 8

CREDIT WRITING NON-F ENGL 305 3 CREDITS
Prereq: ENGL 250, NOT OPEN TO FRESHMEN
Note: COURSE RESTRICTED TO SOPHOMORES AND ABOVE
3317005 A MTHRFR 9:50-10:50 MEETS: JUNE 16-AUG 8

REPT & PROPOSAL WRITING ENGL 309 3 CREDITS
Prereq: ENGL 250, JUNIOR CLASSIFICATION
Note: SECTION A1 RESTRICTED TO ENGL 250 JUNIORS AND SENIORS ONLY
8089005 A1 MTHRFR 8:40-9:40 MEETS: MAY 19-JULY 11
Note: SECTION A1 RESTRICTED TO ENGL 250 JUNIORS AND SENIORS ONLY
8089015 A2 MTHRFR 8:40-9:40 MEETS: MAY 19-JULY 11
Note: SECTION A2 RESTRICTED TO JUNIORS AND SENIORS ONLY

TECHNICAL COMMUNICAT ENGL 314 3 CREDITS
Prereq: ENGL 250, JUNIOR CLASSIFICATION
Note: COURSE RESTRICTED TO JUNIORS AND ABOVE. SOME SECTIONS WILL BE TAUGHT IN A COMPUTER LAB.
3356005 1 MTHRFR 9:50-10:50 MEETS: MAY 19-JULY 11
3356010 2 MTHRFR 9:50-10:50 MEETS: MAY 19-JULY 11
3356015 3 MTHRFR 12:10-1:10 MEETS: MAY 19-JULY 11
3356020 4 MTHRFR 11:00-12:00 MEETS: MAY 19-JULY 11
3356025 5 T R 8:00-9:00 MEETS: JUNE 16-AUG 8
3356030 6 T R 8:00-9:00 MEETS: JUNE 16-AUG 8

STUDIES IN FILM ENGL 335 3 CREDITS
Prereq: ENGL 250
Note: AVAILABLE FOR NONMAJOR GRADUATE CREDIT
3322005 A MWF 1:20-5:00 MEETS: MAY 19-JUNE 13

STDY & TRAVL LITERATU ENGL 395A VAR. CREDITS
Prereq: PERMISSION OF INSTRUCTOR
Note: MEETS INTERNATIONAL PERSPECTS REGENT
5081800 GB ARRANGED: GILCHRIST K MEETS: MAY 23-JUNE 12
Note: SEC GB TAUGHT IN LONDON, OXFORD, STANFORD, UK. TITLE: LONDON, LITERATURE, & THEATER STUDY ABOARD SUMMER 2014 OFFERED FOR 3 CREDITS. STUDY ABOARD ADMINISTRATIVE FEE APPLIES

CR WRIT WKSHP NON-F ENGL 405 3 CREDITS
Prereq: ENGL 305
3354005 A MTHRFR 9:50-10:50 MEETS: JUNE 16-AUG 8

INTERN BUS/PRO COMM ENGL 487 1-3 CREDITS
Prereq: JUNIOR CLASSIF; PERMISSION OF COORDINATOR
9 CR IN ENGL 302, ENGL 309, ENGL 313, ENGL 314, ENGL 415 (PREFERRED), ENGL 416, OR ENGL 477.
Note: Department permission required.
9099005 ARRANGED MEETS: MAY 19-AUG 8

ENGLISH (CONTINUED)

IND STDY LITERATURE ENGL 490A VAR. CREDITS
Prereq: 9 CR IN ENGL BEYOND ENGL 250 APPROPRIATE TO THE SECT TAKEN, JR CLASSIFICATION, PERMISSION OF UNDERGRADUATE STUDIES COMMITTEE
Note: NO MORE THAN 9 CREDITS OF ENGL 490 MAY BE APPLIED TOWARD GRADUATION
Department permission required.
********* SEE DEPT FOR REFERENCE NUMBERS

IND STDY LINGUISTICS ENGL 490B VAR. CREDITS
Prereq: 9 CR IN ENGL BEYOND ENGL 250 APPROPRIATE TO INDEP STUDY IN LINGUISTICS, JR CLASSIFICATION, PERMISSION OF UNDERGRADUATE STUDIES COMMITTEE OR LINGUISTICS ADVISER
Note: NO MORE THAN 9 CREDITS OF ENGL 490 MAY BE APPLIED TOWARD GRADUATION
Department permission required.
********* SEE DEPT FOR REFERENCE NUMBERS

IND STDY RHETORIC ENGL 490C VAR. CREDITS
Prereq: 9 CR IN ENGL BEYOND ENGL 250 APPROPRIATE TO THE SECT TAKEN, JR CLASSIFICATION, PERMISSION OF UNDERGRADUATE STUDIES COMMITTEE
Note: NO MORE THAN 9 CREDITS OF ENGL 490 MAY BE APPLIED TOWARD GRADUATION
Department permission required.
********* SEE DEPT FOR REFERENCE NUMBERS

IND STDY INSTRUCT MTH ENGL 490E VAR. CREDITS
Prereq: 9 CR IN ENGL BEYOND ENGL 250 APPROPRIATE TO INDEP STUDY IN INSTRUCTIONAL METHODS AND RESEARCH, JR CLASSIFICATION, PERMISSION OF UNDERGRADUATE STUDIES COMMITTEE
Note: NO MORE THAN 9 CREDITS OF ENGL 490 MAY BE APPLIED TOWARD GRADUATION
Department permission required.
********* SEE DEPT FOR REFERENCE NUMBERS

IND STDY CRITICI LIT ENGL 490F VAR. CREDITS
Prereq: 9 CR IN ENGL BEYOND ENGL 250 APPROPRIATE TO INDEP STUDY IN CRITICAL WRITING, JR CLASSIFICATION, PERMISSION OF UNDERGRADUATE STUDIES COMMITTEE
Note: NO MORE THAN 9 CREDITS OF ENGL 490 MAY BE APPLIED TOWARD GRADUATION
Department permission required.
********* SEE DEPT FOR REFERENCE NUMBERS

IND STDY LANGU INSTRUCT ENGL 490G VAR. CREDITS
Prereq: 9 CR IN ENGL BEYOND ENGL 250 APPROPRIATE TO INDEP STUDY IN INSTRUCTIONAL METHODS AND RESEARCH, JR CLASSIFICATION, PERMISSION OF UNDERGRADUATE STUDIES COMMITTEE
Note: NO MORE THAN 9 CREDITS OF ENGL 490 MAY BE APPLIED TOWARD GRADUATION
Department permission required.
********* SEE DEPT FOR REFERENCE NUMBERS

IND STDY INSTRUCT MTH ENGL 490H VAR. CREDITS
Prereq: 9 CR IN ENGL BEYOND ENGL 250 APPROPRIATE TO INDEP STUDY IN INSTRUCTIONAL METHODS AND RESEARCH, JR CLASSIFICATION, PERMISSION OF UNDERGRADUATE STUDIES COMMITTEE
Note: NO MORE THAN 9 CREDITS OF ENGL 490 MAY BE APPLIED TOWARD GRADUATION
Department permission required.
********* SEE DEPT FOR REFERENCE NUMBERS

CAPSTONE ASSESSMENT ENGL 497 1 CREDIT
Prereq: JUNIOR STATUS
********* SEE DEPT FOR REFERENCE NUMBERS

TCHG BUS & TECHN COMM ENGL 504 3 CREDITS
Prereq: MA. IN ENGLISH OR CLOSELY RELATED FIELD; MUST BE TEACHING ENGL 302, ENGL 309 OR ENGL 314 CONCURRENTLY
3388005 A ARRANGED MEETS: MAY 19-AUG 8

ADV WKSHP ACAD WRIT ENGL 508 3 CREDITS
5107005 A TR 6:15-8:45PM MEETS: MAY 19-JULY 11

LANGU ASSESS PRACTM ENGL 519 3 CREDITS
Prereq: ENGL 519 8728005 A ARRANGED MEETS: MAY 19-AUG 8
ENGLISH (CONTINUED)

ENVIRON FIELD EXPER ENGL 560 3 CREDITS
Prereq: ENGL 550, GRAD CLASSIFICATION, OPEN TO GRAD STUDENTS OUTSIDE MAJOR IN CREATIVE WRITING AND ENVIRONMENT ONLY WITH PERMISSION.
8229005 A ARRANGED
MEETS: MAY 19-AUG 8
Note: Instructor permission required.

INTERN BUS/PRO COMM ENGL 587 1-3 CREDITS
Prereq: ENGL 507 PLUS 3 ADDL GRAD CR IN BUSINESS & TECHNICAL WRITING ON COMPOSITION & RHETORIC, INSTRUCTOR PERMISSION. LIMITED TO MASTER'S & DOCTORAL CANDIDATES IN FIELD OF RHETORIC AND PRO COMMUNICATION
Note: Instructor permission required.
3425005 ARRANGED
MEETS: MAY 19-AUG 8

PRA TCH ENGL 2ND LNG ENGL 588 3 CREDITS
Prereq: 9 CREDITS TOWARD TESL/TEFL CERTIFICATE, 15 CREDITS TOWARD TESL/AL MASTERS DEGREE, OR 18 CR COMPLETED TOWARD THE ESL ENRICHMENT OPTION
3426005 A ARRANGED
MEETS: MAY 19-AUG 8

SPL TOP LITERATURE ENGL 590A VAR. CREDITS
Prereq: PERMISSION OF GRADUATE STUDIES COMMITTEE ACCORDING TO GUIDELINES AVAILABLE IN DEPT OFFICE
********
SPL TOP TESL/LINGUI ENGL 590B VAR. CREDITS
Prereq: PERMISSION OF GRADUATE STUDIES COMMITTEE ACCORDING TO GUIDELINES AVAILABLE IN DEPT OFFICE
See DEPT FOR REFERENCE NUMBERS
********
SPL TOP Rhetor&Comp ENGL 590C VAR. CREDITS
Prereq: PERMISSION OF GRADUATE STUDIES COMMITTEE ACCORDING TO GUIDELINES AVAILABLE IN DEPT OFFICE
See DEPT FOR REFERENCE NUMBERS
********
SPL TOP CREATV WRIT ENGL 590D VAR. CREDITS
Prereq: PERMISSION OF GRADUATE STUDIES COMMITTEE ACCORDING TO GUIDELINES AVAILABLE IN DEPT OFFICE
See DEPT FOR REFERENCE NUMBERS
********
SPL TOP APP LINGTEC ENGL 590E VAR. CREDITS
Prereq: PERMISSION OF GRADUATE STUDIES COMMITTEE ACCORDING TO GUIDELINES AVAILABLE IN DEPT OFFICE
See DEPT FOR REFERENCE NUMBERS
********
STUDY & TRAVEL: LIT ENGL 595A VAR. CREDITS
Prereq: PERMISSION OF INSTRUCTOR
59388005 GB ARRANGED
GILCHRIST K
MEETS: MAY 23-JUNE 12
Note: SEC GB TAUGHT IN LONDON, OXFORD, STANFORD, UK. TITLE: LONDON, LITERATURE, & THEATER STUDY ABROAD SUMMER 2014 OFFERED FOR 3 CREDITS.

CREATIVE COMPONENT ENGL 599 3 CREDITS
Prereq: GRADUATE CLASSIFICATION, PERMISSION OF MAJOR PROFESSOR
********
See DEPT FOR REFERENCE NUMBERS

PRACTM TEC &LINGUI ENGL 688 3 CREDITS
Prereq: ENGL/LING 510, ENGL/LING 626, OR EQUIV; AT LEAST 2ND YEAR PH.D. STUDENT IN APPLIED LINGUISTICS AND TECHNOLOGY
7633005 A ARRANGED
MEETS: MAY 19-AUG 8

RESEARCH ENGL 699 VAR. CREDITS
Prereq: GRADUATE CLASSIFICATION, PERMISSION OF MAJOR PROFESSOR
********
See DEPT FOR REFERENCE NUMBERS

ENTOMOLOGY

INTRO TO INSECTS ENT 201 1 CREDIT
5197005 W ARRANGED LEWIS D
MEETS: MAY 19-JUNE 20
Note: Course delivery is WWW
Section info: http://www.ent.iastate.edu/dept/courses/

IND STU RESEARCH/WORK ENT 490E 1-3 CREDITS
Prereq: 15 CR IN BIOL SCI, JR OR SR CLASS
Note: NO MORE THAN 6 CREDITS OF 490 MAY BE USED TOWARD GRADUATION
Instructor permission required 1st week.
********
See DEPT FOR REFERENCE NUMBERS

ENTOMOLOGY (CONTINUED)

IND STU LAB TEACHG ENT 490U 1-3 CREDITS
Prereq: 15 CREDITS IN BIOLOGICAL SCIENCES, JUNIOR OR SENIOR CLASSIFICATION. FOR STUDENTS REGISTERING TO BE UNDERGRADUATE LABORATORY ASSISTANTS.
Note: NO MORE THAN 6 CREDITS OF 490 MAY BE USED TOWARD GRADUATION
Instructor permission required 1st week.
********
See DEPT FOR REFERENCE NUMBERS

SP TOP CHEM ECOLOGY ENT 590B 1-3 CREDITS
Prereq: 15 CREDITS IN BIOLOGICAL SCIENCES
********
See DEPT FOR REFERENCE NUMBERS

SP TOP ECO&PEST MGT ENT 590C 1-3 CREDITS
Prereq: 15 CREDITS IN BIOLOGICAL SCIENCES
********
See DEPT FOR REFERENCE NUMBERS

SP TOP EVOL&SYSTEMAT ENT 590D 1-3 CREDITS
Prereq: 15 CREDITS IN BIOLOGICAL SCIENCES
********
See DEPT FOR REFERENCE NUMBERS

SPL TOP RSRCH TOPCS ENT 590E 1-3 CREDITS
Prereq: 15 CREDITS IN BIOLOGICAL SCIENCES
********
See DEPT FOR REFERENCE NUMBERS

SPL TOP MOLECULAR ENT 590F 1-3 CREDITS
Prereq: 15 CREDITS IN BIOLOGICAL SCIENCES
********
See DEPT FOR REFERENCE NUMBERS

SPL TOP TCHNG EXPER ENT 590K 1-3 CREDITS
Prereq: 15 CREDITS IN BIOLOGICAL SCIENCES
********
See DEPT FOR REFERENCE NUMBERS

SPL TOP EXTENS INTRN ENT 590L 1-3 CREDITS
Prereq: 15 CREDITS IN BIOLOGICAL SCIENCES
********
See DEPT FOR REFERENCE NUMBERS

SPL TOP POPUL GENET ENT 590N 1-3 CREDITS
Prereq: 15 CREDITS IN BIOLOGICAL SCIENCES
********
See DEPT FOR REFERENCE NUMBERS

SEMINAR ENT 600 1 CREDIT
5345005 A M 3:40-4:50
MEETS: MAY 19-AUG 8
Section info: http://www.ent.iastate.edu/dept/courses/

RESEARCH ENT 699 VAR. CREDITS
********
See DEPT FOR REFERENCE NUMBERS

ENVIRONMENTAL SCIENCE

ECOLOGY ENESCI 312 4 CREDITS
Prereq: BIOL 211L AND BIOL 212L
4996005 A 5MTWR 9:50-11:05
MN 12:10-3:00
MEETS: MAY 19-JULY 11

5038005 1 MTWRF 8:00-5:00
MEETS: MAY 19-JUNE 13
Note: Tuition Category: Iowa Lakeside Lab

INTERNSHIP ENVR SCI ENESCI 390 VAR. CREDITS
Prereq: APPROVAL OF THE ENVIR SCIENCE COORDINATOR
Satisfactory-Pass Only.
********
See DEPT FOR REFERENCE NUMBERS

APPRENTICESHIP ENESCI 391 VAR. CREDITS
Prereq: APPROVAL OF THE ENVIR SCIENCE COORDINATOR
Note: Permission of coordinator required.
Satisfactory-Pass Only.
********
See DEPT FOR REFERENCE NUMBERS

FLD METH HYDROGEO ENESCI 409 3 CREDITS
Prereq: MATH 402 OR MATH 411 OR C E 473
3081005 1 MTWRF 8:00-5:00
MEETS: MAY 12-23

PRAIRIE ECOLOGY ENESCI 422I 4 CREDITS
Prereq: FAMILIARITY WITH BASIC PRINCIPLES IN BIOLOGICAL SCIENCES AND ECOLOGY
Note: Available for nonmajor graduate credit
Prereq: APPROVAL OF ENVIR SCIENCE COORDINATOR
Note: Permission of Lakeside Lab Office required
http://www.continuoustolearn.uow.edu.au/lakesidelab
5041005 1 MTWRF 8:00-5:00
MEETS: MAY 19-JULY 11
Note: Tuition Category: Iowa Lakeside Lab

INDEPENDENT STUDY ENESCI 490 VAR. CREDITS
Prereq: INSTRUCTOR PERMISSION, APPROVAL OF ENVIRONMENTAL SCI, WWW
********
See DEPT FOR REFERENCE NUMBERS
ENVIRONMENTAL SCIENCE

HONORS INDEP STUDY ENSCI 490H VAR. CREDITS
 Prereq: INSTRUCTOR PERMISSION, APPROVAL OF ENVIRONMENTAL SCIENCE COORDINATOR

AQUATIC ECOLOGY ENSCI 508I 4 CREDITS
 Prereq: COURSES IN ECOLOGY, CHEMISTRY AND PHYSICS
 Note: Permission of Lakeside Lab office required
 http://www.continuinetlearn.uiowa.edu/lakesidelab

SCM
I R, LOMIS, LSCM, MGMT, MIS, MKT, OSCM, PBUS, SCIS, ANS, BUS S, BUS U, BUSAD, BUSEC, DYS, FIN, IBUS, SCM

Note: SECTION A2 FOR MAJORS OTHER THAN ACCT, AG B, MEETS: MAY 19-JUNE 13
3691005 A1 MTWRF 9:50-11:50
Note: SECTION A1 RESTRICTED TO ACCT, BUS S, BUS U, BUSEC, LSCM, MGMT, MIS, MGT, OSCM, SCM UNDERGRAD MAJORS ONLY

INTEGRATED ECOLOGY ENSCI 509 3 CREDITS
 Prereq: MATH 442 OR MATH 443

Note: COURSE NOT OPEN TO P BUS MAJORS

3692005 A1 MTWRF 7:30-9:30
Note: COURSE NOT OPEN TO P BUS MAJORS

SPECIAL TOPICS ENSCI 599 VAR. CREDITS
 Prereq: PERMISSION OF MAJOR PROF IN ENVIRONMENTAL SCIENCE FACULTY

Note: SECTION A2 RESTRICTED TO ACCT, BUS S, BUS U, BUSEC, LSCM, MGMT, MIS, MGT, OSCM, SCM UNDERGRAD MAJORS ONLY

REAL ESTATE PRINCIPLES FIN 371 3 CREDITS
 Prereq: ECON 101

Note: COURSE NOT OPEN TO P BUS MAJORS

5043005 A2 MTWRF 7:30-9:30
Note: COURSE RESTRICTED TO FIN MAJORS ONLY

MEETS: JUNE 16-JULY 11

Note: COURSE RESTRICTED TO FIN MAJORS ONLY

FAMILY & CONSUMER SCIENCES ED & STUDIES

ENVIRONMENTAL STUDIES

ENVIRONMENTS BIOL ENVS 173 3 CREDITS
2022005 A ARRANGED
Note: Course delivery is WWW

MEETS: MAY 19-AUG 8

Section info: http://www.elo.iastate.edu/biology-courses-information/

ENVIRONMENTAL POLITY ENVIPOL 389 3 CREDITS
 Prereq: SOCI 103 OR SOCI 103W

Note: COURSE RESTRICTED TO SOPHOMORES AND ABOVE

5758005 A MTWRF 8:40-10:00
MEETS: MAY 19-JUNE 27

INTERN SH ENVIR STDI ENVS 390 VAR. CREDITS
 Prereq: PERMISSION OF THE ENV S COORDINATOR

Note: PROCESS APPROVED ADD SLIP IN 10 ENROLLMENT SERVICES CENTER

9549005 MTWR 9:50-11:50
MEETS: MAY 19-JUNE 13

INDEPENDENT STUDY ENVS 490 VAR. CREDITS
 Prereq: PERMISSION OF INSTRUCTOR AND APPOVAL OF ENV S COORDINATOR

Note: SECTION A2 RESTRICTED TO ACCT, BUS S, BUS U, BUSEC, LSCM, MGMT, MIS, MGT, OSCM, SCM UNDERGRAD MAJORS ONLY

FAMILY & CONSUMER SCIENCES ED & STUDIES

SUPV EXPERNC PRO STU FCEDS 491B 3-8 CREDITS
 Prereq: HD FS 449; 24 CREDITS IN FAMILY AND CONSUMER SCIENCES; RESERVATION REQUIRED

2272005 ARRANGED
MEETS: MAY 19-AUG 8

SHRT CRE OCCUPA ED FCEDS 500F 1-3 CREDITS
 Prereq: 6 CREDITS IN FCS OR EDUCATION

Note: COURSE ONLY OFFERED FOR 3 CREDITS SUMMER 2014

4007005 1 MTWRF 8:00-5:00
ARRANGED
MEETS: JULY 14-18

Note: SECTION 1 TOPIC: TEXTILES

PHYS ED/HEALTH FCEDS 500G 1-3 CREDITS
 Prereq: 6 CREDITS IN FCS OR EDUCATION

Note: COURSE NOT OPEN TO P BUS MAJORS

6829005 A MTWRF 12:10-2:10
MEETS: MAY 19-JUNE 13

FAMILY & CONSUMER SCIENCES ED & STUDIES

FAMILY & CONSUMER SCIENCES ED & STUDIES

FAMILY & CONSUMER SCIENCES ED & STUDIES

FINANCE

PRINCIPAL OF FINANCE FIN 301 3 CREDITS
 Prereq: ACCT 284, ECON 101, STAT 226

Note: COURSE NOT OPEN TO P BUS MAJORS

3689005 A1 MTWRF 12:10-2:10
MEETS: MAY 19-JUNE 13

Note: SECTION A1 RESTRICTED TO ACCT, AG B, ANS, BUS S, BUS U, BUSAD, BUSC, DYS, FIN, IBUS, I R, LOMIS, LSCM, MGMT, MIS, MGT, OSCM, PBUS, SCIS, SCM

FINANCE

CORPORATE FINANCE FIN 310 3 CREDITS
 Prereq: FIN 301

Note: COURSE NOT OPEN TO P BUS MAJORS

3691005 A1 MTWRF 9:50-11:50
MEETS: JUNE 16-JULY 11

Note: SECTION A1 RESTRICTED TO FIN MAJORS ONLY

3691010 A2 MTWRF 9:50-11:50
MEETS: JUNE 16-JULY 11

Note: SEC A2 RESTRICTED TO ACCT, BUS S, BUS U, BUSEC, LSCM, MGMT, MIS, MGT, OSCM, SCM UNDERGRAD MAJORS ONLY

INVESTMENTS FIN 320 3 CREDITS
 Prereq: FIN 301

Note: COURSE NOT OPEN TO P BUS MAJORS

3692005 A1 MTWRF 7:30-9:30
MEETS: MAY 19-JUNE 13

MEETS: JUNE 16-JULY 11

INVESTMENTS FIN 320 3 CREDITS
 Prereq: FIN 301

Note: COURSE NOT OPEN TO P BUS MAJORS

3692010 A2 MTWRF 7:30-9:30
MEETS: MAY 19-JUNE 13
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
<th>Prerequisites</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>FS HN 167</td>
<td>Intro Human Nutrition</td>
<td>3</td>
<td>High School Biology or 3 CR of Biology</td>
<td></td>
</tr>
<tr>
<td>FS HN 490A</td>
<td>Indep Study Dietetics</td>
<td>1-6</td>
<td>Permission of Instructor</td>
<td>No more than 6 credits of 490 may be applied toward graduation. See Dept for Reference Numbers</td>
</tr>
<tr>
<td>FS HN 490B</td>
<td>Indep Study Nutrition</td>
<td>1-6</td>
<td>Permission of Instructor</td>
<td>No more than 6 credits of 490 may be applied toward graduation. See Dept for Reference Numbers</td>
</tr>
<tr>
<td>FS HN 490C</td>
<td>Indep Study Int'l Exp</td>
<td>1-6</td>
<td>Permission of Instructor</td>
<td>No more than 6 credits of 490 may be applied toward graduation. See Dept for Reference Numbers</td>
</tr>
<tr>
<td>FS HN 491A</td>
<td>Supr Work Dietetics</td>
<td>1-4</td>
<td>Advance Approval of Instructor &amp; Adviser</td>
<td>No more than 4 credits of FS HN 491A, B, C, D may be applied toward graduation. Satisfactory-Fail Only. See Dept for Reference Numbers</td>
</tr>
<tr>
<td>FS HN 491B</td>
<td>Supr Work Food Sci</td>
<td>1-4</td>
<td>Advance Approval of Instructor &amp; Adviser</td>
<td>No more than 4 credits of FS HN 491A, B, C, D may be applied toward graduation. Satisfactory-Fail Only. See Dept for Reference Numbers</td>
</tr>
<tr>
<td>FS HN 491C</td>
<td>Supr Work Nutrition</td>
<td>1-4</td>
<td>Advance Approval of Instructor &amp; Adviser</td>
<td>No more than 4 credits of FS HN 491A, B, C, D may be applied toward graduation. Satisfactory-Fail Only. See Dept for Reference Numbers</td>
</tr>
<tr>
<td>FS HN 496A</td>
<td>Travel - Internatnl</td>
<td>1-4</td>
<td>Permission of Instructor</td>
<td>Meets international perspectives reqmt. See Dept for Reference Numbers</td>
</tr>
<tr>
<td>FS HN 499</td>
<td>Undergrad Research</td>
<td>1-6</td>
<td>Permission of Staff Member with WHCM student proposes to work</td>
<td>No more than 6 credits of FS HN 499 may be applied toward graduation. See Dept for Reference Numbers</td>
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</table>

**FORESTRY**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
<th>Prerequisites</th>
</tr>
</thead>
<tbody>
<tr>
<td>FS HN 490D</td>
<td>Ind Study Soil Sci</td>
<td>1-6</td>
<td>Permission of Instructor</td>
</tr>
<tr>
<td>FS HN 490E</td>
<td>Ind Study Soil &amp; Water</td>
<td>1-6</td>
<td>Permission of Instructor</td>
</tr>
<tr>
<td>FS HN 490F</td>
<td>Ind Study Soil Phys</td>
<td>1-6</td>
<td>Permission of Instructor</td>
</tr>
<tr>
<td>FS HN 490G</td>
<td>Ind Study Soil Chem</td>
<td>1-6</td>
<td>Permission of Instructor</td>
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**SPL Prob Leadership**

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<tr>
<th>Course Code</th>
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<th>Credits</th>
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<tbody>
<tr>
<td>FS HN 500A</td>
<td>SPL Prob Ecology</td>
<td>1-4</td>
<td>FRESH or SOPH CLASSIF, INSTRUCTOR PERMISSION</td>
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<tr>
<td>FS HN 500B</td>
<td>SPL Prob Hydrology</td>
<td>1-4</td>
<td>FRESH or SOPH CLASSIF, INSTRUCTOR PERMISSION</td>
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<tr>
<td>FS HN 500C</td>
<td>SPL Prob Wildlife</td>
<td>1-4</td>
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**SPL Prob Ecological Systems**

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<tr>
<td>FS HN 501A</td>
<td>SPL Prob Forestry</td>
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<td>FRESH or SOPH CLASSIF, INSTRUCTOR PERMISSION</td>
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<tr>
<td>FS HN 501B</td>
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<td>FS HN 501C</td>
<td>SPL Prob Aquatic</td>
<td>1-4</td>
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**SPL Prob Research**

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<td>FS HN 502B</td>
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**SPL Prob Resource Management**

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FORESTRY (CONTINUED)

FOR BIOMETRY 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.

FOR MGT & ADMIN RESEARCH FOR 699D 1-12 CREDITS
Note: Instructor permission required 1st week.

WOOD SCIENCE RESEARCH FOR 699E 1-12 CREDITS
Note: Instructor permission required 1st week.

SPECIAL TOPICS HYDROGEOLOGICAL RESEARCH GEOL 590H 1-3 CREDITS
Prereq: Instructor permission required. See dept for reference numbers.

SPECIAL TOPICS GEOCHEMISTRY GEOL 590G 1-3 CREDITS
Prereq: Instructor permission required. See dept for reference numbers.

SPECIAL TOPICS STRUCTURAL GEOL 590F 1-3 CREDITS
Prereq: Instructor permission required. See dept for reference numbers.

SPECIAL TOPICS PETROLOGY GEOL 590E 1-3 CREDITS
Prereq: Instructor permission required. See dept for reference numbers.

SPECIAL TOPICS PALEONTOLOGY GEOL 590D 1-3 CREDITS
Prereq: Instructor permission required. See dept for reference numbers.

SPECIAL TOPICS SEDIMENTATION GEOL 590C 1-3 CREDITS
Prereq: Instructor permission required. See dept for reference numbers.

SPECIAL TOPICS SURFACE PROCESSES GEOL 590A 1-3 CREDITS
Prereq: Instructor permission required. See dept for reference numbers.

SPECIAL TOPICS GEENET 590 1-3 CREDITS
See dept for reference numbers.

GENETICS - INTERDISCIPLINARY

GRAD RESEARCH ROTATION GENET 697 V.A. CREDITS
Prereq: Instructor permission required. See dept for reference numbers.

GENETICS, DEVELOPMENT & CELL BIOL

SPECIAL TOPICS GDCB 590 V.A. CREDITS
Prereq: Permission of instructor. Note: Course only offered for 1-5 credits summer 2014

RESEARCH - GENETICS GDCB 699 V.A. CREDITS
See dept for reference numbers.

RESEARCH - IA LL GDCB 699I 1-4 CREDITS
Prereq: Permission of instructor. Note: Permission of Lakeside Lab Office required

GENETICS - INTERDISCIPLINARY (CONTINUED)

GRAD RESEARCH ROTATION GENET 697 V.A. CREDITS
Prereq: Instructor permission required. See dept for reference numbers.

GENETICS, DEVELOPMENT & CELL BIOL

SPECIAL TOPICS GDCB 590 V.A. CREDITS
Prereq: Permission of instructor. Note: Course only offered for 1-5 credits summer 2014

RESEARCH - GENETICS GDCB 699 V.A. CREDITS
See dept for reference numbers.

RESEARCH - IA LL GDCB 699I 1-4 CREDITS
Prereq: Permission of instructor. Note: Permission of Lakeside Lab Office required
http://www.continuetoearn.uiowa.edu/lakesidelab

SUMMER FIELD STUDY GEOL 302 6 CREDITS
Prereq: GEOL 102, GEOL 356, GEOL 368
Note: Available for nonmajor graduate credit

GENETICS - INTERDISCIPLINARY

INDEPENDENT STUDY GEOL 290 2-4 CREDITS
Prereq: Permission of instructor
See dept for reference numbers.

SUMMER FIELD STUDY GEOL 302 6 CREDITS
Prereq: GEOL 102, GEOL 356, GEOL 368
Note: Available for nonmajor graduate credit
SPL TOPS EARTH SCI GEOL 590I 1-3 CREDITS
Prereq: PERMISSION OF INSTRUCTOR
******* SEE DEPT FOR REFERENCE NUMBERS

SPL TOP MIN RESOURC GEOL 590J 1-3 CREDITS
Prereq: PERMISSION OF INSTRUCTOR
******* SEE DEPT FOR REFERENCE NUMBERS

SP TOP GEOPHYSICS GEOL 590K 1-3 CREDITS
Prereq: PERMISSION OF INSTRUCTOR
******* SEE DEPT FOR REFERENCE NUMBERS

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

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

SP TOP PALEOECO&CLI GEOL 590N 1-3 CREDITS
Prereq: PERMISSION OF INSTRUCTOR
******* SEE DEPT FOR REFERENCE NUMBERS

SPL TOP ISOTOP GCHM GEOL 590O 1-3 CREDITS
Prereq: PERMISSION OF INSTRUCTOR
******* SEE DEPT FOR REFERENCE NUMBERS

SPL TOP COMPUTAGIS GEOL 590P 1-3 CREDITS
Prereq: PERMISSION OF INSTRUCTOR
******* SEE DEPT FOR REFERENCE NUMBERS

SPL TOP SRFC HYDROL GEOL 590Q 1-3 CREDITS
Prereq: PERMISSION OF INSTRUCTOR
******* SEE DEPT FOR REFERENCE NUMBERS

SPL TOP OCEANOGRPHY GEOL 590S 1-3 CREDITS
Prereq: PERMISSION OF INSTRUCTOR
******* SEE DEPT FOR REFERENCE NUMBERS

RES SURFICIAL PROC GEOL 699A VAR. CREDITS
Prereq: PERMISSION OF INSTRUCTOR
******* SEE DEPT FOR REFERENCE NUMBERS

RESRCH STRATIGRAPHY GEOL 699B VAR. CREDITS
******* SEE DEPT FOR REFERENCE NUMBERS

RESRCH SEDIMENTATION GEOL 699C VAR. CREDITS
******* SEE DEPT FOR REFERENCE NUMBERS

RESRCH PALEONTOLOGY GEOL 699D VAR. CREDITS
******* SEE DEPT FOR REFERENCE NUMBERS

RESEARCH PETROLOGY GEOL 699E VAR. CREDITS
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RES STRUCTURAL GEOL GEOL 699F VAR. CREDITS
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RESRCH GEOCHEMISTRY GEOL 699G VAR. CREDITS
******* SEE DEPT FOR REFERENCE NUMBERS

RESRCH HYDROGEOLOGY GEOL 699H VAR. CREDITS
******* SEE DEPT FOR REFERENCE NUMBERS

RESRCH EARTH SCIENCE GEOL 699I VAR. CREDITS
******* SEE DEPT FOR REFERENCE NUMBERS

RES MINERAL RESOURC GEOL 699J VAR. CREDITS
******* SEE DEPT FOR REFERENCE NUMBERS

RESEARCH GEOPHYSICS GEOL 699K VAR. CREDITS
******* SEE DEPT FOR REFERENCE NUMBERS

RESEARCH MINERALOGY GEOL 699L VAR. CREDITS
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RESEARCH TECTONICS GEOL 699M VAR. CREDITS
******* SEE DEPT FOR REFERENCE NUMBERS

RES PALEOECO&CLIMAT GEOL 699N VAR. CREDITS
******* SEE DEPT FOR REFERENCE NUMBERS

RES ISOTOPE GEOCHEM GEOL 699O VAR. CREDITS
******* SEE DEPT FOR REFERENCE NUMBERS

RESRCH CMPUT MTHGIS GEOL 699P VAR. CREDITS
******* SEE DEPT FOR REFERENCE NUMBERS

RES SURFC HYDROLogy GEOL 699RVAR. CREDITS
******* SEE DEPT FOR REFERENCE NUMBERS

GERONTOLOGY

GERONTOL PREREAC SEM GEON 466 1 CREDIT
Prereq: 9 CR IN CORE COURSES FOR THE GERON MINOR & APPROVAL OF GERON UNDERGRAD COORDINATOR
7869005 ARRANGED MEETS: MAY 19-JULY 11

GERONTOLOGY

GERONTOL PRACTICUM GERON 467 3-6 CREDITS
Prereq: GERON 466, ADVANCE RESERVATION
Satisfactory-Fail Only.

7870005 ARRANGED MEETS: MAY 19-AUG 8

SPECIAL TOPICS GERON 590 VAR. CREDITS
3059005 ARRANGED MEETS: MAY 19-AUG 8

GLOBAL RESOURCE SYSTEMS

APPRENTICESHIP GLOBE 221 R CREDIT
Satisfactory-Fail Only.
6652005 ARRANGED MEETS: MAY 19-AUG 8

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: JUNIOR OR SENIOR IN THE GLOBE MAJOR;
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
8684005 ARRANGED MEETS: MAY 19-AUG 8

INDEPENDENT STUDY GLOBE 322 3-6 CREDITS
Prereq: JUNIOR OR SENIOR IN THE GLOBE MAJOR;
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
8687005 ARRANGED MEETS: MAY 19-AUG 8

INDEP STUDY HONORS GLOBE 490 1-4 CREDITS
Prereq: INSTRUCTOR PERMISSION; APPROVAL BY
THE GLOBAL RESOURCE SYSTEMS FACU CLY COORDINATOR
86817005 ARRANGED MEETS: MAY 19-AUG 8

SERVICE LEARN INT'L GLOBE 494A VAR. CREDITS
Prereq: PERMISSION OF INSTRUCTOR
3581800 UG ARRANGED NONNECKE G
MEETS: JUNE 13-JULY 18
Note: SEC IN TAUGHT IN UGANDA. CREATING A SCHOOL
GARDEN: SERVICE LEARNING IN UGANDA. STUDY ABOAD
SUMMER 2014. OFFERED FOR 4 CREDITS.
Study Abroad Administrative Fee Applies

SERVC LGN DOMESTIC GLOBE 494B VAR. CREDITS
Prereq: PERMISSION OF INSTRUCTOSR
3604005 ARRANGED MEETS: MAY 19-AUG 8

GLBL RSRC STU ABRD GLOBE 496 2-4 CREDITS
Prereq: PERMISSION OF INSTRUCTOR
8846800 IN ARRANGED REDDY M
MEETS: MAY 29-JUNE 21
Note: SEC IN TAUGHT IN INDIA, KARNATAKA STATE.
FOOD, NUTRITION & HEALTH: SERVICE LEARNING IN
INDIA. STUDY ABROAD SUMMER 2014 OFFERED FOR
4 CREDITS.
Study Abroad Administrative Fee Applies

DEANS GLOBL AG PRG GLOBE 497 1-4 CREDITS
Note: Instructor permission required.
8985800 IT ARRANGED LONGERAN G
MEETS: MAY 11-JUNE 7
Note: SEC IN TAUGHT IN ROME, ITALY. DEAN'S GLOBAL &
AGRICULTURE LEADERSHIP PROGRAM: ROME. STUDY ABROAD
SUMMER 2014 OFFERED FOR 3 CREDITS
Study Abroad Administrative Fee Applies
GRADUATE STUDIES

PREP FAC TCHG PRACT  GR ST 587  1- 3 CREDITS  
Prereq: PERMISSION OF INSTRUCTOR, GR ST 585, 
CREDIT FOR OR CONCURRENT ENROLLMENT IN GR ST 586 
7679005  
MEETS: MAY 19-AUG 8  
Note: Instructor permission required.  

PREP FTR FAC SPL TP  GR ST 588  1- 3 CREDITS  
Prereq: PERMISSION OF INSTRUCTOR, GR ST 585, 
CREDIT FOR OR CONCURRENT ENROLLMENT IN GR ST 586 
8341005  
MEETS: MAY 19-AUG 8  
Note: Instructor permission required.  

EXAMINATION ONLY  GR ST 600  R CREDIT  
3972005  
MEETS: MAY 19-AUG 8  

REQUIRED ENROLLMENT  GR ST 601  R CREDIT  
4482005  
MEETS: MAY 19-AUG 8  

PRACTICAL TRAINING  GR ST 697  R CREDIT  
6905005  
MEETS: MAY 19-AUG 8  
Note: THE REQUIRED APPROVAL SIGNATURE SHOULD BE 
OBTAINED IN 1137 PEARKSON HALL 
College permission required.  

GRAPHIC DESIGN

GRPH DSGN INTERNSHIP  ARTGR 480  3 CREDITS  
Prereq: 377, 12 CR IN GRAPHIC DESIGN; INSTRUCTOR 
PERMISSION, REGISTRATION IN ADVANCE OF ENROLLMENT 
7746005  
A ARRANGED  
7746010  
B ARRANGED  
MEETS: MAY 19-AUG 8  

IND ST THEORY, CRIT  ARTGR 490A  1- 6 CREDITS  
PREREQ: REQUIRED FORM IN ADVANCE OF SEMESTER OF ENROLLMENT 
********  SEE DEPT FOR REFERENCE NUMBERS 

IND STU COOP, INTERN  ARTGR 490I  1- 6 CREDITS  
PREREQ: REQUIRED FORM IN ADVANCE OF SEMESTER OF ENROLLMENT 
Note: PERMISSION OF INSTRUCTOR REQUIRED TO ADD. 
PROCEED APPROVED ADD SLIP IN 10 ENRL SC. 
********  SEE DEPT FOR REFERENCE NUMBERS 

SPL TOPCS THRY,CRIT  ARTGR 590A  VAR. CREDITS  
PREREQ: BACHELOR'S DEGREE IN GRAPHIC DESIGN, OR 
EVIDENCE OF SATISFACTORY EQUIVALENCY IN SPECIALIZED 
AREA, WRITTEN APPROVAL OF INSTRUCTOR AND DEPT CHAIR 
ON REQUIRED FORM IN ADVANCE OF SEMESTER OF ENROLLMENT 
SEE DEPT FOR REFERENCE NUMBERS 
********  

SPL TOP 2-DIMEN DSN  ARTGR 590B  VAR. CREDITS  
PREREQ: BACHELOR'S DEGREE IN GRAPHIC DESIGN, OR 
EVIDENCE OF SATISFACTORY EQUIVALENCY IN SPECIALIZED 
AREA, WRITTEN APPROVAL OF INSTRUCTOR AND DEPT CHAIR 
ON REQUIRED FORM IN ADVANCE OF SEMESTER OF ENROLLMENT 
SEE DEPT FOR REFERENCE NUMBERS 
********  

SPL TOP 3-DIMEN DSN  ARTGR 590C  VAR. CREDITS  
PREREQ: BACHELOR'S DEGREE IN GRAPHIC DESIGN, OR 
EVIDENCE OF SATISFACTORY EQUIVALENCY IN SPECIALIZED 
AREA, WRITTEN APPROVAL OF INSTRUCTOR AND DEPT CHAIR 
ON REQUIRED FORM IN ADVANCE OF SEMESTER OF ENROLLMENT 
SEE DEPT FOR REFERENCE NUMBERS 
********  

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

ADVANCED TOPICS  ARTGR 690  VAR. CREDITS  
PREREQ: MA CLASSIFICATION, INSTRUCTOR PERMISSION 
Note: Instructor permission required 1st week. 
********  SEE DEPT FOR REFERENCE NUMBERS 

RESEARCH - THESIS  ARTGR 699  VAR. CREDITS  
********  SEE DEPT FOR REFERENCE NUMBERS 

HEALTH STUDIES

1ST AID & EMERG CARE, H S 105  2 CREDITS  
4081005  
MTWR 7:30-9:40  
MEETS: MAY 19-JUNE 13  

HEALTH STUDIES (CONTINUED) 

PERSONAL HEALTH, H S 110  3 CREDITS  
4082005  
MTWR 9:50-11:50  
MEETS: MAY 19-JUNE 13  

HEALTH ED ELEM SCHL  H S 275  3 CREDITS  
PREREQ: HD FS 102 OR HD FS 226  
NOTE: CREDIT FOR EITHER H S 275 OR H S 375, BUT NOT 
BOTH, MAY BE APPLIED TOWARD GRADUATION 
INSTRUCTOR PERMISSION REQUIRED 1ST WEEK. 
4084005  
MTWR 9:50-11:30  
MEETS: JUNE 16-JULY 24  

HUMAN DISEASES  H S 350  3 CREDITS  
PREREQ: H S 110 AND BIOL 255, BIOL 256  
4088005  
MTWR 11:00-1:00  
MEETS: MAY 19-JUNE 13  

TEACH-LEARN HLTH ED  H S 375  3 CREDITS  
PREREQ: H S 105, H S 110, H S 215  
NOTE: CREDIT FOR EITHER H S 275 OR H S 375, BUT NOT 
BOTH, MAY BE APPLIED TOWARD GRADUATION 
INSTRUCTOR PERMISSION REQUIRED 1ST WEEK. 
4089005  
MTWR 9:50-11:30  
MEETS: JUNE 16-JULY 24  

FLD EXP HLTH PROMO  H S 485  1-16 CREDITS  
PREREQ: ALL REQUIRED H S COURSES, PERMISSION OF 
COORDINATOR. 
NOTE: INSTRUCTOR PERMISSION REQUIRED 1ST WEEK. 
4095005  
ARRANGED  
MEETS: MAY 19-AUG 8  

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

COLLEGE TEACHING  HG ED 561  3 CREDITS  
PREREQ: 6 GRADUATE CREDITS  
4112005  
MT 8:00-5:00  
MEETS: MAY 27-JUNE 16  

SPL TOP STD SERVIC  HG ED 590A  1- 4 CREDITS  
PREREQ: CREDITS IN EDUCATION  
********  SEE DEPT FOR REFERENCE NUMBERS 

SPL TOP COMMUN COLL  HG ED 590B  1- 4 CREDITS  
PREREQ: CREDITS IN EDUCATION  
********  SEE DEPT FOR REFERENCE NUMBERS 

SPL TOP CURRENT ISS  HG ED 590C  1- 4 CREDITS  
PREREQ: CREDITS IN EDUCATION  
********  SEE DEPT FOR REFERENCE NUMBERS 

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

SP TOP FED&STATE AFF  HG ED 590E  1- 4 CREDITS  
PREREQ: CREDITS IN EDUCATION  
********  SEE DEPT FOR REFERENCE NUMBERS 

SP TOP LAW IN HG ED  HG ED 590F  1- 4 CREDITS  
PREREQ: CREDITS IN EDUCATION  
********  SEE DEPT FOR REFERENCE NUMBERS 

SP TOP INSTNTL RES  HG ED 590G  1- 4 CREDITS  
PREREQ: CREDITS IN EDUCATION  
********  SEE DEPT FOR REFERENCE NUMBERS 

SUPV FIELD EXPERIEN  HG ED 591  1- 4 CREDITS  
PREREQ: CREDITS GRADUATE WORK  
********  SEE DEPT FOR REFERENCE NUMBERS 

WORKSHOPS  HG ED 593  1- 5 CREDITS  
PREREQ: 15 CREDITS IN EDUCATION 
NOTE: COURSE ONLY OFFERED FOR 3 CREDITS SUMMER 2014 
4136005  
MTWR 5:00-8:00PM  
ARRANGED  
MEETS: MAY 19-JUNE 11  

CREATIVE COMPONENT  HG ED 599  VAR. CREDITS  
PREREQ: CREDITS IN EDUCATION  
********  SEE DEPT FOR REFERENCE NUMBERS 

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

RESEARCH  HG ED 699  VAR. CREDITS  
PREREQ: CREDITS IN EDUCATION  
********  SEE DEPT FOR REFERENCE NUMBERS
HISTORICAL, PHILOSOPHICAL & COMP ED

STUDY FOUND ED U.S. HPC 504 3 CREDITS
Prereq: ADMISSION TO GRADUATE LICENSURE PROGRAM
2604010  MTWR 9:30-12:40
MEETS: JULY 7-24

SPCL TOP HIST OF ED HPC 590A 1-5 CREDITS
Prereq: 9 CREDITS IN EDUCATION
******** SEE DEPT FOR REFERENCE NUMBERS

SPCL TOP HIST OF ED HPC 590B 1-5 CREDITS
Prereq: 9 CREDITS IN EDUCATION
******** SEE DEPT FOR REFERENCE NUMBERS

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

CREATIVE COMPONENT HPC 599 1-3 CREDITS
******** SEE DEPT FOR REFERENCE NUMBERS

ADV SPECIAL TOPICS HPC 690 1-3 CREDITS
******** SEE DEPT FOR REFERENCE NUMBERS

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

HISTORY

SURVEY U.S. HIST I HIST 221 3 CREDITS
4155005 MTWRF 9:50-10:50
MEETS: JUNE 16-AUG 8

ENGLAND 1525-1700 HIST 325 3 CREDITS
4169005 MTWRF 12:10-2:10
MEETS: JULY 14-AUG 8

U.S. CIVIL WAR RECON HIST 356 3 CREDITS
4217005 MTWRF 12:10-2:10
MEETS: JUNE 16-JULY 11

U.S. HIST 1900-1945 HIST 360 3 CREDITS
4219005 MTWRF 9:50-11:50
MEETS: JUNE 16-JULY 11

U.S. 1945-PRESENT HIST 361 3 CREDITS
4220005 MTWRF 12:10-2:10
MEETS: JULY 14-AUG 8

MODERN ENGLAND HIST 431 3 CREDITS
8634005 MTWRF 12:10-2:10
MEETS: JUNE 16-JULY 11

ENGLAND 1700-PRESENT HIST 472 3 CREDITS
9189005 MTWRF 9:50-11:50
MEETS: MAY 19-JUNE 13

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 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

Horticulture

HORT MGT EXPERIENCE HORT 391 1 CREDIT
Prereq: HORT 221 OR PERMISSION OF INSTRUCTOR
Note: No more than 4 credits of HORT 391 and an additional 2 credits of 490 from outside horticulture may be applied toward graduation.
******** SEE DEPT FOR REFERENCE NUMBERS

COOPERATIVE EDUCATN HORT 398 1 CREDIT
Prereq: PERMISSION OF DEPARTMENT AND CAREER CENTER COORDINATOR
Satisfactory-Fail only.
3652005 MTWRF 9:30-12:40
MEETS: MAY 19-AUG 8

ENTREPRENEURIAL HORT 465B 3 CREDITS
Prereq: ECON 230; 6 CREDIT HORT
2169005 MTWRF 9:30-12:40
MEETS: MAY 19-AUG 8

IND ST LANDSCP HORT 490A VAR. CREDITS
Prereq: JUNIOR OR SENIOR CLASSIFICATION IN HORTICULTURE OR PERMISSION OF INSTRUCTOR
Note: No more than 4 credits of HORT 490 and an additional 2 credits of 490 from outside horticulture may be applied toward graduation.
******** SEE DEPT FOR REFERENCE NUMBERS

IND STUDY NURS CROPS HORT 490B VAR. CREDITS
Prereq: JUNIOR OR SENIOR CLASSIFICATION IN HORTICULTURE OR PERMISSION OF INSTRUCTOR
Note: No more than 4 credits of HORT 490 and an additional 2 credits of 490 from outside horticulture may be applied toward graduation.
******** SEE DEPT FOR REFERENCE NUMBERS

IND STU FRUIT CROPS HORT 490C VAR. CREDITS
Prereq: JUNIOR OR SENIOR CLASSIFICATION IN HORTICULTURE OR PERMISSION OF INSTRUCTOR
Note: No more than 4 credits of HORT 490 and an additional 2 credits of 490 from outside horticulture may be applied toward graduation.
******** SEE DEPT FOR REFERENCE NUMBERS

IND STU VEG 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 applied toward 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 applied toward graduation.
******** SEE DEPT FOR REFERENCE NUMBERS

RESEARCH HIST 699 1-6 CREDITS
Prereq: Instructor permission required 1st week.
******** SEE DEPT FOR REFERENCE NUMBERS
HORTICULTURE (CONTINUED)

SERVC LEARN DOMESTC HORT 494B VAR. CREDITS
Prereq: PERMISSION OF INSTRUCTOR
3163005 ARRANGED
MEETS: MAY 12-JULY 18
Note: VIRGIN ISLANDS

HORTI TRAVEL COURSE HORT 496 1- 4 CREDITS
Prereq: PERMISSION OF INSTRUCTOR
Note: Meets international perspectives reqmt
2433800 HR ARRANGED GLEASON M
MEETS: MAY 10-24
Note: SEC HR TAUGHT IN SERBIA & CROATIA. BALKANS
STUDY AROUND SUMMER 2014, OFFERED FOR 3 CREDITS.
Study Abroad Administrative Fee Applies

SPECIAL TOPICS HORT 590 VAR. CREDITS
Prereq: A MAJOR OR MINOR IN HORTICULTURE
CREATIVE COMPONENT HORT 599 VAR. CREDITS
SEE DEPT FOR REFERENCE NUMBERS
ADVANCED TOPICS HORT 690 VAR. CREDITS
4348005 ARRANGED
MEETS: MAY 19-AUG 8
RSRCH GREENHSE CROP HORT 699A VAR. CREDITS
SEE DEPT FOR REFERENCE NUMBERS
RSRCH NURSERY CROPS HORT 699B VAR. CREDITS
SEE DEPT FOR REFERENCE NUMBERS
RESEARCH TURFGRASS HORT 699C VAR. CREDITS
SEE DEPT FOR REFERENCE NUMBERS
RESRCH FRUIT CROPS HORT 699D VAR. CREDITS
SEE DEPT FOR REFERENCE NUMBERS
RESEARCH VEG CROPS HORT 699E VAR. CREDITS
SEE DEPT FOR REFERENCE NUMBERS
RSRCH CROSS-COMMODT HORT 699F VAR. CREDITS
SEE DEPT FOR REFERENCE NUMBERS
RSRCH LANDSCAP HORT HORT 699G VAR. CREDITS
SEE DEPT FOR REFERENCE NUMBERS

HOTEL RESTAURANT & INSTITUTION MGMT

IND ST HOSPITALITY MGT HCI 490B VAR. CREDITS
Prereq: PROGRAM APPROVAL
Note: Instructor permission required 1st week.
***** SEE DEPT FOR REFERENCE NUMBERS
IND ST LODGING OPER HCI 490D VAR. CREDITS
Prereq: PROGRAM APPROVAL
Note: Instructor permission required 1st week.
***** SEE DEPT FOR REFERENCE NUMBERS
IND ST FOODSRV OP HCI 490E VAR. CREDITS
Prereq: PROGRAM APPROVAL
Note: Instructor permission required 1st week.
***** SEE DEPT FOR REFERENCE NUMBERS
INDEP STUDY HONORS HCI 490H VAR. CREDITS
Prereq: PROGRAM APPROVAL, FULL MEMBERSHIP IN HONORS PROGRAM
Note: COURSE RESTRICTED TO HONORS PROGRAM STUDENTS ONLY
***** SEE DEPT FOR REFERENCE NUMBERS

HOSPITALITY SCHOLAR HCI 505 1 CREDIT
3423005 1 ARRANGED
MEETS: JUNE 2-AUG 8
CURR ISS HOSPITALITY HCI 506 1 CREDIT
3458005 1 ARRANGED
MEETS: JUNE 2-AUG 8

SP TOP HOSPITALITY MGT HCI 590B VAR. CREDITS
Prereq: 9 CR IN HRI AT 400 LEVEL OR ABOVE AND SUBMISSION OF APPLICATION TO DEPARTMENT
Note: Instructor permission required 1st week.
***** SEE DEPT FOR REFERENCE NUMBERS
SPL TOP CMWRC FDSRV HCI 590E VAR. CREDITS
Prereq: 9 CR IN HRI AT 400 LEVEL OR ABOVE AND SUBMISSION OF APPLICATION TO DEPARTMENT
Note: Instructor permission required 1st week.
***** SEE DEPT FOR REFERENCE NUMBERS
CREATIVE COMPONENT HCI 599 VAR. CREDITS
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
CREATIVE COMPONENT HCI 599 3 CREDITS
6700005 ARRANGED
MEETS: MAY 19-AUG 8
HCI INTERNSHIP HCI 697 R CREDIT
Prereq: GRAD CLASSIFICATION, PERMISSION OF DIRECTOR OF GRADUATE EDUCATION
***** SEE DEPT FOR REFERENCE NUMBERS

HUMAN DEVELOPMENT & FAMILY STUDIES

PLD EXP EARLY CHILD HD FS 317A 1- 6 CREDITS
Prereq: HS FS 343
Satisfactory-Fail Only
***** SEE DEPT FOR REFERENCE NUMBERS
HUMAN DEVELOPMENT & FAMILY STUDIES (CONTINUED)

SPL TOP EARLY EDUC HD FS 590F VAR. CREDITS
Prereq: PERMISSION OF INSTRUCTOR
***** SEE DEPT FOR REFERENCE NUMBERS

SPL TOP EARLY SP ED HD FS 590G VAR. CREDITS
Prereq: PERMISSION OF INSTRUCTOR
***** SEE DEPT FOR REFERENCE NUMBERS

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

SPL TOPICS THERAPY HD FS 590M VAR. CREDITS
Prereq: PERMISSION OF INSTRUCTOR
***** SEE DEPT FOR REFERENCE NUMBERS

SPL TOP FAMILY POLICY HD FS 590N VAR. CREDITS
Prereq: PERMISSION OF INSTRUCTOR
***** SEE DEPT FOR REFERENCE NUMBERS

INTERNATIONAL STUDY ABROAD SUMMER 2014
SOUTH KOREA & ISU FOOD & NUTRITION EXPLORATION
ISU HUMAN SERVICES TOUR ABROAD: DESTINATION
5804005 KR ARRANGED
HUGHES-BELDING K
Prereq: PERMISSION BY APPLICATION
INT’L STDY GROUP ST HD FS 581C 1-12 CREDITS
Prereq: INSTR PERMISN, ENROLLMENT IN PH.D. PROG
***** SEE DEPT FOR REFERENCE NUMBERS

ADV TOP FAMILY STDY HD FS 690A VAR. CREDITS
Prereq: INSTR PERMISN, ENROLLMENT IN PH.D. PROG
***** SEE DEPT FOR REFERENCE NUMBERS

ADV TOP FAMILY FINAN HD FS 690C VAR. CREDITS
Prereq: INSTR PERMISN, ENROLLMENT IN PH.D. PROG
***** SEE DEPT FOR REFERENCE NUMBERS

INTERNATIONAL HUMAN DEVELOPMENT & FAMILY STUDIES
CREATIVE COMPONENT HD FS 599 VAR. CREDITS
Prereq: 10 GRADUATE CREDITS IN HD FS
***** SEE DEPT FOR REFERENCE NUMBERS

ADV TOP FAMILY DEVEL HD FS 690D VAR. CREDITS
Prereq: INSTR PERMISN, ENROLLMENT IN PH.D. PROG
***** SEE DEPT FOR REFERENCE NUMBERS

ADV TOP CHILD DEVEL HD FS 690E VAR. CREDITS
Prereq: INSTR PERMISN, ENROLLMENT IN PH.D. PROG
***** SEE DEPT FOR REFERENCE NUMBERS

ADV TOP EARLY EDUC HD FS 690F VAR. CREDITS
Prereq: INSTR PERMISN, ENROLLMENT IN PH.D. PROG
***** SEE DEPT FOR REFERENCE NUMBERS

ADV TOP EARLY SP ED HD FS 690G VAR. CREDITS
Prereq: INSTR PERMISN, ENROLLMENT IN PH.D. PROG
***** SEE DEPT FOR REFERENCE NUMBERS

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

ADV TOPICS THERAPY HD FS 590M VAR. CREDITS
Prereq: INSTR PERMISN, ENROLLMENT IN PH.D. PROG
***** SEE DEPT FOR REFERENCE NUMBERS

ADV TOP FAMILY POLICY HD FS 590N VAR. CREDITS
Prereq: INSTR PERMISN, ENROLLMENT IN PH.D. PROG
***** SEE DEPT FOR REFERENCE NUMBERS

COLLEG TCH INTERNSP HD FS 691A VAR. CREDITS
Prereq: PERMISSION OF INSTRUCTOR
Satisfactory-Fail Only
***** SEE DEPT FOR REFERENCE NUMBERS
INDUSTRIAL ENGINEERING

COOPERATIVE EDUC  I E  298       R CREDIT
Prereq: PERMISSION OF DEPARTMENT AND ENGINEERING CAREER SERVICES
Satisfactory-Fail Only.
*******     SEE DEPT FOR REFERENCE NUMBERS
ENGR ECONOMIC ANALY  I E  305       3 CREDITS
Prereq: MATH 166
Note: Available for nonmajor graduate credit
4425005     MTWF 9:00-10:15
MEETS: MAY 19-JULY 11
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  398       R CREDIT
Prereq: HR 298, 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 305
Note: Available for nonmajor graduate credit
6090005     MTWF 8:40-9:40
MEETS: MAY 19-JULY 11
IND STU MANUFACTRG  I E  490A       1- 5 CREDITS
Prereq: Sr Classification, Permission of Instructor
Satisfactory-Fail Only.
*******     SEE DEPT FOR REFERENCE NUMBERS
IND STU HUMAN FACTR  I E  490B       1- 5 CREDITS
Prereq: Sr Classification, Permission of Instructor
Satisfactory-Fail Only.
*******     SEE DEPT FOR REFERENCE NUMBERS
IND STU OPER RESRCH  I E  490C       1- 5 CREDITS
Prereq: Sr Classification, Permission of Instructor
Satisfactory-Fail Only.
*******     SEE DEPT FOR REFERENCE NUMBERS
INDEP STDY ENGR MGT  I E  490E       1- 5 CREDITS
Prereq: Sr Classification, Permission of Instructor
Satisfactory-Fail Only.
*******     SEE DEPT FOR REFERENCE NUMBERS
INTEGRATED STUDY ARTS (CONTINUED)

PAINTING III ARTIS 438 3 CREDITS
Prereq: ARTIS 338
Note: COURSE RESTRICTED TO COLLEGE OF DESIGN MAJORS
Available for nonmajor graduate credit
Instructor permission required 1st week.
7833800 IT ARRANGED
MEETS: MAY 11-JULY 4
Note: SEC IT TAUGHT IN ROME, ITALY. COLLEGE OF DESIGN SUMMER ROME PROGRAM. STUDY ABROAD SUMMER 2014. OFFERED FOR 3 CREDITS. SECTION IT WILL NOT BE ASSESSED THE SPECIAL COURSE FEE. THIS FEE IS ALREADY INCLUDED IN THE STUDY ABROAD PROGRAM FEE. RESTRICTED TO ARTI, ARITA, ARTID & ARTIS.
Study Abroad Administrative Fee Applies

INDEP STU CERAMICS ARTIS 490B 1- 6 CREDITS
Prereq: WRITTEN APPROVAL OF INSTR AND DEPT CHAIR
ON REQUIRED FORM IN ADVANCE OF SEMESTER OF ENROLLMENT
***** SEE DEPT FOR REFERENCE NUMBERS

INDEP STU DRAWING ARTIS 490D 1- 6 CREDITS
Prereq: WRITTEN APPROVAL OF INSTR AND DEPT CHAIR
ON REQUIRED FORM IN ADVANCE OF SEMESTER OF ENROLLMENT
***** SEE DEPT FOR REFERENCE NUMBERS

INDEP STU TEXTILES ARTIS 490G 1- 6 CREDITS
Prereq: WRITTEN APPROVAL OF INSTR AND DEPT CHAIR
ON REQUIRED FORM IN ADVANCE OF SEMESTER OF ENROLLMENT
***** SEE DEPT FOR REFERENCE NUMBERS

INDEP STU METALS ARTIS 490H 1- 6 CREDITS
Prereq: WRITTEN APPROVAL OF INSTR AND DEPT CHAIR
ON REQUIRED FORM IN ADVANCE OF SEMESTER OF ENROLLMENT
***** SEE DEPT FOR REFERENCE NUMBERS

INDEP STU PAINTING ARTIS 490I 1- 6 CREDITS
Prereq: WRITTEN APPROVAL OF INSTR AND DEPT CHAIR
ON REQUIRED FORM IN ADVANCE OF SEMESTER OF ENROLLMENT
***** SEE DEPT FOR REFERENCE NUMBERS

INDEP STU PRINTMAKING ARTIS 490K 1- 6 CREDITS
Prereq: WRITTEN APPROVAL OF INSTR AND DEPT CHAIR
ON REQUIRED FORM IN ADVANCE OF SEMESTER OF ENROLLMENT
Note: Instructor permission required 1st week.
Materials and equipment use fee $25.00
***** SEE DEPT FOR REFERENCE NUMBERS

INDEP STU FURNITURE ARTIS 490L 1- 6 CREDITS
Prereq: WRITTEN APPROVAL OF INSTR AND DEPT CHAIR
ON REQUIRED FORM IN ADVANCE OF SEMESTER OF ENROLLMENT
Note: Instructor permission required 1st week.
***** SEE DEPT FOR REFERENCE NUMBERS

INDEP STU MIXED MEDIA ARTIS 490M 1- 6 CREDITS
Prereq: WRITTEN APPROVAL OF INSTR AND DEPT CHAIR
ON REQUIRED FORM IN ADVANCE OF SEMESTER OF ENROLLMENT
Note: Materials and equipment use fee $25.00
***** SEE DEPT FOR REFERENCE NUMBERS

WORKSHOP: METALS ARTIS 493G 1- 3 CREDITS
Prereq: PERMISSION OF INSTRUCTOR
Note: COURSE ONLY OFFERED FOR 2 CREDITS SUMMER 2014
Instructor permission required 1st week.
8014005 M T W R 9:00-12:00 MUECH J
M T W R 1:00-5:00 MUECH J
MEETS: MAY 19-30
Note: TOPIC: TOOLMAKING FOR THE ARTIST/RAFTSMEN
INTEGRATED STUDIO ARTS (CONTINUED)

WORKSHOP: PAINTING ARTIS 493I 1-3 CREDITS
Prereq: PERMISSION OF INSTRUCTOR
Note: COURSE ONLY OFFERED FOR 3 CREDITS SUMMER 2014
8159005 MTWR 9:00-11:50 JONES B MEETS: MAY 19-JULY 11
Note: TOPIC: PASTELS

CPTR AID ANIMATIVS ARTIS 508 3 CREDITS
Prereq: ARTIS 408 OR GRADUATE CLASSIFICATION AND PERMISSION OF INSTRUCTOR
Note: Instructor permission required 1st week.
8265005 MTWR 1:20-3:20 MEETS: MAY 19-JULY 11

SPL TOP COMPUTR A&D ARTIS 590C VAR. CREDITS
Prereq: BACHELOR'S DEGREE IN ART AND/OR DSIGN, OR EVIDENCE OF SATISFACTORY EQUIV IN SPECIALIZED AREA. WRITTEN APPROVAL OF INSTRUCTOR AND DEPT CHAIR ON REQUIRED FORM IN ADVANCE OF SEM OF ENROLLMT.
******** SEE DEPT FOR REFERENCE NUMBERS

SPCL TOPICS DRAWING ARTIS 590D VAR. CREDITS
Prereq: BACHELOR'S DEGREE IN ART AND/OR DSIGN, OR EVIDENCE OF SATISFACTORY EQUIVALENCY IN SPECIALIZED AREA. WRITTEN APPROVAL OF INSTRUCTOR AND DEPT CHAIR ON REQUIRED FORM IN ADVANCE OF SEM OF ENROLLMT.
******** SEE DEPT FOR REFERENCE NUMBERS

SPL TOP ILLUSTRATN ARTIS 590F VAR. CREDITS
Prereq: BACHELOR'S DEGREE IN ART AND/OR DSIGN, OR EVIDENCE OF SATISFACTORY EQUIV IN SPECIALIZED AREA. WRITTEN APPROVAL OF INSTR AND DEPT CHAIR ON REQUIRED FORM IN ADVANCE OF SEM OF ENROLLMT.
******** SEE DEPT FOR REFERENCE NUMBERS

SPCL TOPICS METALS ARTIS 590G VAR. CREDITS
Prereq: BACHELOR'S DEGREE IN ART AND/OR DSIGN, OR EVIDENCE OF SATISFACTORY EQUIV IN SPECIALIZED AREA. WRITTEN APPROVAL OF INSTR AND DEPT CHAIR ON REQUIRED FORM IN ADVANCE OF SEM OF ENROLLMT.
******** SEE DEPT FOR REFERENCE NUMBERS

SPL TOP PHOTOGRAPHY ARTIS 590J VAR. CREDITS
Prereq: BACHELOR'S DEGREE IN ART AND/OR DSIGN, OR EVIDENCE OF SATISFACTORY EQUIV IN SPECIALIZED AREA. WRITTEN APPROVAL OF INSTR AND DEPT CHAIR ON REQUIRED FORM IN ADVANCE OF SEM OF ENROLLMT.
Note: Instructor permission required 1st week.
******** SEE DEPT FOR REFERENCE NUMBERS

SPL TOP PRINTMAKING ARTIS 590K VAR. CREDITS
Prereq: BACHELOR'S DEGREE IN ART AND/OR DSIGN, OR EVIDENCE OF SATISFACTORY EQUIV IN SPECIALIZED AREA. WRITTEN APPROVAL OF INSTR AND DEPT CHAIR ON REQUIRED FORM IN ADVANCE OF SEM OF ENROLLMT.
Note: Instructor permission required 1st week.
Materials and equipment use fee $40.00
******** SEE DEPT FOR REFERENCE NUMBERS

SPCL TOPS FURNITUR ARTIS 590L VAR. CREDITS
Prereq: BACHELOR'S DEGREE IN ART AND/OR DSIGN, OR EVIDENCE OF SATISFACTORY EQUIV IN SPECIALIZED AREA. WRITTEN APPROVAL OF INSTR AND DEPT CHAIR ON REQUIRED FORM IN ADVANCE OF SEM OF ENROLLMT.
Note: Instructor permission required 1st week.
******** SEE DEPT FOR REFERENCE NUMBERS

SPL TOP MIXED MEDIA ARTIS 590M VAR. CREDITS
Prereq: BACHELOR'S DEGREE IN ART AND/OR DSIGN, OR EVIDENCE OF SATISFACTORY EQUIV IN SPECIALIZED AREA. WRITTEN APPROVAL OF INSTR AND DEPT CHAIR ON REQUIRED FORM IN ADVANCE OF SEM OF ENROLLMT.
Note: Materials and equipment use fee $25.00
******** SEE DEPT FOR REFERENCE NUMBERS

CREATIVE COMPONENT ARTID 599 VAR. CREDITS
4480005 ARRANGED MEETS: MAY 19-AUG 8

THESES RESEARCH ARTID 699 VAR. CREDITS
4481005 ARRANGED MEETS: MAY 19-AUG 8

INTERNATIONAL STUDIES

INTL EXPERNC ABRHD INTST 295X 1-8 CREDITS
Note: Meets international perspectives reqmt.
9700000 TH ARRANGED DEMAARAY K MEETS: MAY 10-28
Note: SEC TH TAUGHT IN CHIANG MAI & BANGKOK, THAILAND. CHANGING LIVES IN THAILAND STUDY ABROAD SUMMER 2014 OFFERED FOR 3 CREDITS

STDY ABRHD HUMANIT INTST 395B 1-4 CREDITS
Note: COURSE ONLY OFFERED FOR 3 CREDITS SUMMER 2014 Instructor permission required.
7820805 DE ARRANGED LOONEY M MEETS: MAY 12-31
Note: SEC DE TAUGHT IN BERLIN, GERMANY. TITLE: BERLIN'S HISTORY 2ND CULTURE. STUDY ABROAD SUMMER 2014 Study Abroad Administrative Fee Applies
7820025 RG ARRANGED MEETS: MAY 27-JULY 17
Note: Tuition Category: Regents Summer Study Abroad
7820800 TH ARRANGED DEMAARAY K MEETS: MAY 10-28
Note: SEC TH TAUGHT IN CHIANG MAI & BANGKOK, THAILAND. CHANGING LIVES IN THAILAND STUDY ABROAD SUMMER 2014 Study Abroad Administrative Fee Applies

STDY ABRHD COMMUNC INTST 395C 1-4 CREDITS
Note: Instructor permission required.
7936800 DE ARRANGED LOONEY M MEETS: MAY 12-31
Note: SEC DE TAUGHT IN BERLIN, GERMANY. TITLE: BERLIN'S HISTORY 2ND CULTURE. STUDY ABROAD SUMMER 2014 Study Abroad Administrative Fee Applies
7940800 TH ARRANGED DEMAARAY K MEETS: MAY 10-28
Note: SEC TH TAUGHT IN CHIANG MAI & BANGKOK, THAILAND. CHANGING LIVES IN THAILAND STUDY ABROAD SUMMER 2014 Study Abroad Administrative Fee Applies

IOWA LAKESIDE LABORATORY

NATUR HIST PRAIRIES IA LL 293G 1-2 CREDITS
Note: COURSE ONLY OFFERED FOR 1 CREDIT SUMMER 2014 Permission of Lakeside Lab Office required
9092005 MTWR 9:00-5:00 MEETS: JUNE 16-20
Note: Tuition Category: Iowa Lakeside Lab

UNDERGRAD INTERNSHIP IA LL 3031 1-5 CREDITS
Prereq: PERMISSION OF INSTRUCTOR, SOP STANDING
Note: Permission of Lakeside Lab Office required
3683005 MEETS: MAY 19-AUG 8
Note: Tuition Category: Iowa Lakeside Lab
IOWA LAKESIDE LABORATORY  (CONTINUED)

ECOLOGY  IA LL 312I  4 CREDITS
Note: Permission of Lakeside Lab Office required
http://www.continuetolearn.uiowa.edu/lakesidelab
3707005   1 MTWRF 8:00-5:00
MEETS: MAY 19-JUNE 13
Note: Tuition Category: Iowa Lakeside Lab

PRAIRIE ECOLOGY  IA LL 422I  4 CREDITS
Prereq: FAMILIARITY WITH BASIC PRINCIPLES IN BIOLOGICAL SCIENCES AND ECOLOGY
Note: Available for nonmajor graduate credit
Permission of Lakeside Lab Office required
http://www.continuetolearn.uiowa.edu/lakesidelab
3830005   2 MTWRF 8:00-5:00
MEETS: JUNE 16-JULY 11
Note: Tuition Category: Iowa Lakeside Lab

ARCHAEOLOGY  IA LL 427I  4 CREDITS
Note: Available for nonmajor graduate credit
Permission of Lakeside Lab Office required
http://www.continuetolearn.uiowa.edu/lakesidelab
3840005   1 MTWRF 8:00-5:00
MEETS: JUNE 16-JULY 11
Note: Tuition Category: Iowa Lakeside Lab

UG INDEP STDY IA LL 490I  1- 4 CREDITS
Prereq: JR OR SR CLASSIFICATION AND PERMISSION OF INSTRUCTOR
Note: Permission of Lakeside Lab Office required
http://www.continuetolearn.uiowa.edu/lakesidelab
3984005   1 ARRANGED
Note: Permission of Lakeside Lab Office required
http://www.continuetolearn.uiowa.edu/lakesidelab
3984010   2 ARRANGED
Note: Permission of Lakeside Lab Office required
http://www.continuetolearn.uiowa.edu/lakesidelab

ARCHAEOLOGY
IA LL 427I  4 CREDITS
Note: Available for nonmajor graduate credit
Permission of Lakeside Lab Office required
http://www.continuetolearn.uiowa.edu/lakesidelab
3840005   1 MTWRF 8:00-5:00
MEETS: JUNE 16-JULY 11
Note: Tuition Category: Iowa Lakeside Lab

N HIST FIELD ARCHAEOLOGY  IA LL 493P  1- 2 CREDITS
Note: Permission of Lakeside Lab Office required
http://www.continuetolearn.uiowa.edu/lakesidelab
5718005   1 MTWRF 8:00-5:00
MEETS: JUNE 23-27
Note: Tuition Category: Iowa Lakeside Lab
5718010   2 MTWRF 8:00-5:00
MEETS: JUNE 23-JULY 5
Note: Tuition Category: Iowa Lakeside Lab

UNDERGRAD RESEARCH  IA LL 499  1- 4 CREDITS
Prereq: JUNIOR OR SENIOR CLASSIFICATION AND PERMISSION OF INSTRUCTOR
Note: Permission of Lakeside Lab Office required
http://www.continuetolearn.uiowa.edu/lakesidelab
3565005   1 ARRANGED
Note: Permission of Lakeside Lab Office required
http://www.continuetolearn.uiowa.edu/lakesidelab
3565010   2 ARRANGED
Note: Permission of Lakeside Lab Office required
http://www.continuetolearn.uiowa.edu/lakesidelab

FRESHWATER ALGAE  IA LL 501  4 CREDITS
Note: Permission of Lakeside Lab Office required
http://www.continuetolearn.uiowa.edu/lakesidelab
9703005   1 MTWRF 8:00-5:00
MEETS: JUNE 23-JULY 11
Note: Tuition Category: Iowa Lakeside Lab

GRADUATE INTERNSHIPS  IA LL 503  1- 5 CREDITS
Prereq: PERMISSION OF INSTRUCTOR & GRADUATE STANDING
Note: Permission of Lakeside Lab Office required
http://www.continuetolearn.uiowa.edu/lakesidelab
3859005   1 ARRANGED
Note: Tuition Category: Iowa Lakeside Lab

AQUATIC ECOLOGY  IA LL 508I  4 CREDITS
Prereq: COURSES IN ECOLOGY, CHEMISTRY AND PHYSICS
Note: Permission of Lakeside Lab Office required
http://www.continuetolearn.uiowa.edu/lakesidelab
3860005   1 MTWRF 8:00-5:00
MEETS: MAY 19-JUNE 13
Note: Tuition Category: Iowa Lakeside Lab

ECOL & SYST DIATOMS  IA LL 580  4 CREDITS
Note: Permission of Lakeside Lab Office required
http://www.continuetolearn.uiowa.edu/lakesidelab
9705005   1 MTWRF 8:00-5:00
MEETS: MAY 19-JUNE 13
Note: Tuition Category: Iowa Lakeside Lab

GRAD INDEP STDY IA LL 590I  1- 4 CREDITS
Prereq: PERMISSION OF INSTRUCTOR & GRAD CLASSIF
Note: Permission of Lakeside Lab Office required
http://www.continuetolearn.uiowa.edu/lakesidelab
3977005   1 ARRANGED
Note: Permission of Lakeside Lab Office required
http://www.continuetolearn.uiowa.edu/lakesidelab
3977010   2 ARRANGED
Note: Tuition Category: Iowa Lakeside Lab
### KINESIOLOGY

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<td>Golf</td>
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<td>Tennis</td>
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<td>8867005</td>
<td>Walking For Fitness</td>
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<td>258</td>
<td>Phys Fitness &amp; Cond</td>
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<td>8750005</td>
<td>Pre-Intern Kinesiol</td>
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<td>5372005</td>
<td>Biomechanics</td>
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<td>5752005</td>
<td>Physiology Exercise</td>
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<td>Exercise Psychology</td>
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<td>9623005</td>
<td>Motor Control LifeSp</td>
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<td>5773005</td>
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### LANDSCAPE ARCHITECTURE

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<td>Land Arch Internship</td>
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<td>6212005</td>
<td>Lab Arch Abroad</td>
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<td>6213005</td>
<td>Lab Arch Internship</td>
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<td>6309005</td>
<td>Ind Stdy Land Design</td>
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<tr>
<td>6310005</td>
<td>Ind Stdy Plntng Design</td>
<td>1</td>
</tr>
<tr>
<td>6311005</td>
<td>Ind Stdy Construct</td>
<td>1</td>
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**Note:** Instructor permission required.
LANDSCAPE ARCHITECTURE (CONTINUED)

INDEP STUDY HISTORY LA 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 LA 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 STUDY URBAN DSGN LA 490F 1-6 CREDITS
Prereq: INSTR & DEPT CHAIR APPROVAL ON REQ'D FORM
Note: Instructor permission required 1st week.
******* SEE DEPT FOR REFERENCE NUMBERS

INDSTUDY GRAPHICS LA 490G 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 HONORS LA 490H 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 INTERDISC LA 490I 1-6 CREDITS
Prereq: INSTR & DEPT CHAIR APPROVAL ON REQ'D FORM
Note: Instructor permission required 1st week.
******* SEE DEPT FOR REFERENCE NUMBERS

IND STU INT'L STUDI LA 490J 1-6 CREDITS
Prereq: INSTR & DEPT CHAIR APPROVAL ON REQ'D FORM
Note: Instructor permission required 1st week.
******* SEE DEPT FOR REFERENCE NUMBERS

INDSTUDY CMPT APPL LA 490K 1-6 CREDITS
Prereq: INSTR & DEPT CHAIR APPROVAL ON REQ'D FORM
Note: Instructor permission required 1st week.
******* SEE DEPT FOR REFERENCE NUMBERS

INDSTUDY ECO DESIGN LA 490L 1-6 CREDITS
Prereq: INSTR & DEPT CHAIR APPROVAL ON REQ'D FORM
Note: Instructor permission required 1st week.
******* SEE DEPT FOR REFERENCE NUMBERS

INDSTUDY SOCIAL/BHV LA 490M 1-6 CREDITS
Prereq: INSTR & DEPT CHAIR APPROVAL ON REQ'D FORM
Note: Instructor permission required 1st week.
******* SEE DEPT FOR REFERENCE NUMBERS

IND STU NATU RESCE LA 490N 1-6 CREDITS
Prereq: INSTR & DEPT CHAIR APPROVAL ON REQ'D FORM
Note: Instructor permission required 1st week.
******* SEE DEPT FOR REFERENCE NUMBERS

THEESIS,CRTV CMP,TUT LAS 580 1-4 CREDITS
Note: Meets international perspectives reqmt
MEETS: MAY 19-AUG 8
8176005 ARRANGED
Note: Meets U.S. diversity reqmt
Prereq: SOPHOMORE CLASSIFICATION
LDRSHP DIVERSE SOCI LAS 322 3 CREDITS
******* SEE DEPT FOR REFERENCE NUMBERS
Note: Instructor permission required.
Satisfactory-Fail Only.
Prereq: PERMISSION OF LAS CAREER SERVICES,
REQUIRED TO ADD. PROCESS APPROVED ADD SLIP IN
Note: PERMISSION OF DIRECTOR OF THE CATT CENTER
PERMISSION OF THE DIRECTOR OF THE CATT CENTER
Prereq: FRESHMAN OR SOPHOMORE CLASSIFICATION,
SPL TOPC PLNTNG DSN LA 590A 1-6 CREDITS
Prereq: GRADUATE STANDING
Note: Instructor permission required 1st week.
******* SEE DEPT FOR REFERENCE NUMBERS

SPL TOPC PLNTNG DSN LA 590B 1-6 CREDITS
Prereq: GRADUATE STANDING
Note: Instructor permission required 1st week.
******* SEE DEPT FOR REFERENCE NUMBERS

SPL TOPC CONSTRUCTN LA 590C 1-6 CREDITS
Prereq: GRADUATE STANDING
Note: Instructor permission required 1st week.
******* SEE DEPT FOR REFERENCE NUMBERS

SPL TOPICS HISTORY LA 590D 1-6 CREDITS
Prereq: GRADUATE STANDING
Note: Instructor permission required 1st week.
******* SEE DEPT FOR REFERENCE NUMBERS

SPL TOP LANDSC PLAN LA 590E 1-6 CREDITS
Prereq: GRADUATE STANDING
Note: Instructor permission required 1st week.
******* SEE DEPT FOR REFERENCE NUMBERS

SPL TOP URBAN DSGN LA 590F 1-6 CREDITS
Prereq: GRADUATE STANDING
Note: Instructor permission required 1st week.
******* SEE DEPT FOR REFERENCE NUMBERS

SPL TOPICS GRAPHICS LA 590G 1-6 CREDITS
Prereq: GRADUATE STANDING
Note: Instructor permission required 1st week.
******* SEE DEPT FOR REFERENCE NUMBERS

LANDSCAPE ARCHITECTURE (CONTINUED)

SPL TOP INTERDISCIP LA 590I 1-6 CREDITS
Prereq: GRADUATE STANDING
Note: Instructor permission required 1st week.
******* SEE DEPT FOR REFERENCE NUMBERS

SPL TOP INT'L STUDI LA 590J 1-6 CREDITS
Prereq: GRADUATE STANDING
Note: Instructor permission required 1st week.
******* SEE DEPT FOR REFERENCE NUMBERS

SPL TOPC CMPT APPL LA 590K 1-6 CREDITS
Prereq: GRADUATE STANDING
Note: Instructor permission required 1st week.
******* SEE DEPT FOR REFERENCE NUMBERS

SPL TOPC ECO DESIGN LA 590L 1-6 CREDITS
Prereq: GRADUATE STANDING
Note: Instructor permission required 1st week.
******* SEE DEPT FOR REFERENCE NUMBERS

SPL TOP SOCIAL/BEHV LA 590M 1-6 CREDITS
Prereq: GRADUATE STANDING
Note: Instructor permission required 1st week.
******* SEE DEPT FOR REFERENCE NUMBERS

CREATIVE COMPONENT LA 599 1-8 CREDITS
Prereq: PERMISSION OF MAJOR PROF
Note: Instructor permission required 1st week.
******* SEE DEPT FOR REFERENCE NUMBERS

THEESIS RESEARCH LA 699 1-8 CREDITS
Prereq: PERMISSION OF MAJOR PROF
Note: Instructor permission required 1st week.
******* SEE DEPT FOR REFERENCE NUMBERS

LATIN

INDEPENDENT STUDY LATIN 490 1-6 CREDITS
Prereq: 6 CR IN LATIN; PERMISSION OF DEPT CHAIR
Note: NO MORE THAN 9 CREDITS IN LATIN 490 MAY BE
APPLIED TOWARD GRADUATION
Permission of department chair required.
******* SEE DEPT FOR REFERENCE NUMBERS

LIBERAL ARTS & SCIENCES

SPECIAL PROJECTS LAS 290D 1-3 CREDITS
Prereq: FRESHMAN OR SOPHOMORE CLASSIFICATION;
PERMISSION OF LAS DEAN
******* SEE DEPT FOR REFERENCE NUMBERS

SPL PROJ CATT CENTR LAS 290G 1-3 CREDITS
Prereq: FRESHMAN OR SOPHOMORE CLASSIFICATION,
PERMISSION OF THE DIRECTOR OF THE CATT CENTER
Note: PERMISSION OF DIRECTOR OF THE CATT CENTER
REQUIRED TO ADD. PROCESS APPROVED ADD SLIP IN
19 ENROLLMENT SERVICES CENTER.
******* SEE DEPT FOR REFERENCE NUMBERS

INTERNSHIP/CO-OP LAS 298 R CREDIT
Prereq: PERMISSION OF LAS CAREER SERVICES,
SOPHOMORE CLASSIFICATION
Note: Instructor permission required.
Satisfactory-Fail Only.
******* SEE DEPT FOR REFERENCE NUMBERS

LDRSHIP DIVERSE SOCI LAS 322 3 CREDITS
Prereq: SOPHOMORE CLASSIFICATION
Note: Meets U.S. diversity reqmt
8176005 ARRANGED
Note: Course delivery is WW
MEETS: MAY 19-AUG 8
8 Note: Course delivery is WW
THE HOLOCAUST LAS 385 3 CREDITS
Note: Meets international perspectives reqmt
4837005 1 TR 6:00-9:00PM
MEETS: MAY 19-JULY 11

INTERNSHIP/CO-OP LAS 398 R CREDIT
Prereq: PERMISSION OF LAS CAREER SERVICES,
JUNIOR CLASSIFICATION
Note: Instructor permission required.
Satisfactory-Fail Only.
******* SEE DEPT FOR REFERENCE NUMBERS

INDSTUDY CATT CNTR LAS 490G VAR. CREDITS
Prereq: PERMISSION OF INSTRUCTOR
Note: COURSE ONLY OFFERED FOR 1-3 CREDITS SUMMER 2014.
NO MORE THAN 9 CREDITS IN LATIN 490 MAY BE APPLIED
TOWARD GRADUATION.
Department permission required.
******* SEE DEPT FOR REFERENCE NUMBERS
LIBERAL ARTS & SCIENCES (CONTINUED)

SERVICE LEARNING LAS 491A 1-4 CREDITS
Prereq: COURSE ONLY OFFERED FOR 3 CREDITS SUMMER 2014
******* SEE DEPT FOR REFERENCE NUMBERS

SRVC LRN INTL PERSP LAS 491C 1-4 CREDITS
Note: COURSE ONLY OFFERED FOR 3 CREDITS SUMMER 2014
Note: INTERNATIONAL DIVERSITY requirement
******* SEE DEPT FOR REFERENCE NUMBERS

INTERNSHIP/CO-OP LAS 498 R CREDIT
Prereq: PERMISSION OF LAS CAREER SERVICES, SENIOR CLASSIFICATION
Note: Instructor permission required.
******* SEE DEPT FOR REFERENCE NUMBERS

INTERNSHIP LAS 499 1-4 CREDITS
Prereq: PERMISSION OF LAS CAREER SERVICES
Note: PERMISSION OF LAS ASSOC DEAN ANY SLAGELL REQ'D
College permission required.
******* SEE DEPT FOR REFERENCE NUMBERS

LIBRARY

INFORMAT LITERACY LIB 160 1 CREDIT
Prereq: COMPLETION OF ENGL 101 REQUIRED FOR STUDENTS WHOSE NATIVE LANGUAGE IS NOT ENGLISH
Satisfactory-Fail Only.
4862005 1 MTWRF 11:00-12:00
ARRANGED
MEETS: JUNE 16-JULY 11
4862010 2 TR 1:20-2:20, ARRANGED
MEETS: JUNE 16-JULY 11

LINGUISTICS

IND STU LINGUISTICS LING 490B VAR. CREDITS
Prereq: 9 CR IN ENGL BEYOND ENGL 250 APPROPRIATE TO THE TOPIC, JR CLASSIFICATION, PERMISSION OF THE UNDERGRADUATE STUDIES COMMITTEE
Note: Department permission required.
******* SEE DEPT FOR REFERENCE NUMBERS

IND STY LING ANTH LING 490D 1-5 CREDITS
Prereq: 9 CREDITS IN ANTHROPOLOGY
Note: Instructor permission required 1st week.
******* SEE DEPT FOR REFERENCE NUMBERS

LANG ASSESS PRACTM LING 513 3 CREDITS
Prereq: ENGL 510
9060005 A ARRANGED
MEETS: MAY 19-Aug 8

PRA TCH ENG 2ND LING LING 588 3 CREDITS
Prereq: 9 CREDITS TOWARD THE TESL CERTIFICATE; 15 CREDITS TOWARD THE TESL/APPLIED LING MASTERS DEGREE; OR COMPLETION OF ALL OTHER REQUIREMENTS FOR K-12 ESL TEACHER ENDORSMENT.
6550005 A ARRANGED
MEETS: MAY 19-Aug 8

SPL TOP TESL/LINGUISTICS LING 590B VAR. CREDITS
Prereq: PERMISSION OF THE GRADUATE STUDIES COMMITTEE
Prereq: PERMISSION OF DEPARTMENT OF ENGLISH
Note: Instructor permission required for 1st week.
******* SEE DEPT FOR REFERENCE NUMBERS

PRACTM TEC 6LINGUISTICS LING 688 3 CREDITS
Prereq: ENGL 510, ENGL 626, OR EQUIVALENT; AT LEAST 2ND YR PH.D. STUDENT IN APPLIED LING & TECHNOLOGY
6574005 A ARRANGED
MEETS: MAY 19-Aug 8

MANAGEMENT

MANAGMT ORGANIZATNS MGMT 370 3 CREDITS
Prereq: ECON 101 OR ECON 102 OR EQUIVALENT
Note: COURSE NOT OPEN TO P BUS MAJORS
5282005 A1 MTWRF 9:50-11:50
MEETS: JUNE 16-JULY 11
5282010 A2 MTWRF 9:50-11:50
MEETS: JUNE 16-JULY 11

MANAGEMENT (CONTINUED)

INTERNATIONAL MGMT MGMT 414 3 CREDITS
Note: GRADUATE STUDENTS GO TO 1200 GERDIN FOR PERMISSION TO ADD
Note: COURSE RESTRICTED TO SENIORS GRADUATING SUMMER 2014 IN THE COLLEGE OF BUSINESS
5285005 A1 MTWRF 7:30-9:30
MEETS: MAY 19-JUNE 13
Note: SECTION A1 RESTRICTED TO I BUS, MGMT, AG B, I TEC
5285010 A2 MTWRF 7:30-9:30
MEETS: MAY 19-JUNE 13
Note: SECTION A2 RESTRICTED TO ACCT, BUS S, BUS U, BUSEC, FIN, LSCM, MIS, MKT, OSGM, SCM UNDERGRADS

STRATEGIC MANAGEMENT MGMT 478 3 CREDITS
Note: RESTRICTED TO BUSINESS COLLEGE GRADUATE STUDENTS
******* SEE DEPT FOR REFERENCE NUMBERS

MANAGEMENT INFORMATION SYSTEMS

MGMT INFO SYSTEMS MIS 330 3 CREDITS
Note: BUSAD 150 OR COM S 101
4394005 A1 MTWRF 12:10-2:10
MEETS: JUNE 16-JULY 11
Note: SEC A1 RESTRICTED TO MAJORS OTHER THAN ACCT, AG B, AST, BUS S, BUS U, BUSSID, BUSEC, FIN, I R, I TEC, LOMIS, LSCM, MGMT, MIS, MKT, OSGM, P BUS, SCI, SCM

INDEPENDENT STUDY MGMT 490 1-3 CREDITS
Note: RESTRICTED TO BUSINESS COLLEGE GRADUATE STUDENTS
******* SEE DEPT FOR REFERENCE NUMBERS

SPECIAL TOPICS MGMT 590 1-3 CREDITS
Note: RESTRICTED TO BUSINESS COLLEGE GRADUATE STUDENTS
******* SEE DEPT FOR REFERENCE NUMBERS

MANAGEMENT INFORMATION SYSTEMS

MGMT INFO SYSTEMS MIS 330 3 CREDITS
Note: BUSAD 150 OR COM S 101
4394005 A1 MTWRF 12:10-2:10
MEETS: JUNE 16-JULY 11
Note: SEC A1 RESTRICTED TO MAJORS OTHER THAN ACCT, AG B, AST, BUS S, BUS U, BUSSID, BUSEC, FIN, I R, I TEC, LOMIS, LSCM, MGMT, MIS, MKT, OSGM, P BUS, SCI, SCM

INDEPENDENT STUDY MGMT 490 1-3 CREDITS
Note: RESTRICTED TO BUSINESS COLLEGE GRADUATE STUDENTS
******* SEE DEPT FOR REFERENCE NUMBERS

SPECIAL TOPICS MGMT 590 1-3 CREDITS
Note: RESTRICTED TO BUSINESS COLLEGE GRADUATE STUDENTS
******* SEE DEPT FOR REFERENCE NUMBERS

CREATIVE COMPONENT MIS 599 3 CREDITS
Note: GRADUATE CLASSIFICATION, PERMISSION OF SUPERVISORY COMMITTEE CHAIR
******* SEE DEPT FOR REFERENCE NUMBERS

RESEARCH PRACTICUM I MIS 650 1 CREDIT
Note: ENROLLMENT IN THE PH D PROGRAM
7555005 A ARRANGED
MEETS: MAY 19-Aug 8

RESEARCH PRACTICUM II MIS 651 1 CREDIT
Note: ENROLLMENT IN THE PH D PROGRAM
7582005 A ARRANGED
MEETS: MAY 19-Aug 8

RESEARCH MIS 699 3-6 CREDITS
Note: GRADUATE CLASSIFICATION, PERMISSION OF MAJOR PROFESSOR
******* SEE DEPT FOR REFERENCE NUMBERS

MARKETING

PRIN OF MARKETING MKT 340 3 CREDITS
Note: CREDIT OR ENROLLMENT IN ECON 101
Note: COURSE NOT OPEN TO P BUS MAJORS
5352005 A1 MTWRF 9:50-11:50
MEETS: MAY 19-JUNE 13
5352010 A2 MTWRF 9:50-11:50
MEETS: MAY 19-JUNE 13
MATERIALS SCIENCE & ENGINEERING

SPECIAL TOPICS M S E 590 VAR. CREDITS
Prereq: PERMISSION OF INSTRUCTOR
******* SEE DEPT FOR REFERENCE NUMBERS

ADV TOPICS MATRL SC M S E 690 VAR. CREDITS
Prereq: PERMISSION OF INSTRUCTOR
******* SEE DEPT FOR REFERENCE NUMBERS

ENGINEER INTERNSHIP M S E 697 R CREDIT
Prereq: PERMISSION OF INSTRUCTOR, GRAD CLASS/GRAD Satisfactory-Pass Only.
4307005 ARRANGED
MEETS: MAY 19- AUG 8

RESEARCH M S E 699 VAR. CREDITS
******* SEE DEPT FOR REFERENCE NUMBERS
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<th>Prerequisites</th>
<th>Time</th>
<th>Notes</th>
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<td>1-3 credits</td>
<td>Department permission required.</td>
<td>ARRANGED</td>
<td>MEETS: MAY 19-JULY 11</td>
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<tr>
<td>MATH 290</td>
<td>INDEPENDENT STUDY</td>
<td>1-3 credits</td>
<td>Department permission required.</td>
<td>ARRANGED</td>
<td>MEETS: MAY 19-JULY 11</td>
</tr>
<tr>
<td>MATH 266</td>
<td>DIFF EQ &amp; TRANSFORMS</td>
<td>3 credits</td>
<td>Prereq: Grade of C- or better in MATH 166 or Math 166X</td>
<td>ARRANGED</td>
<td>MEETS: JUNE 19-JULY 25</td>
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<tr>
<td>MATH 414</td>
<td>ANALYSIS I</td>
<td>3 credits</td>
<td>Prereq: Grade of C- or better in Math 166 or Math 201</td>
<td>ARRANGED</td>
<td>MEETS: MAY 19-JULY 11</td>
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<td>MATH 410</td>
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<td>MATH 540A</td>
<td>ED SEMINAR TEACH STAT</td>
<td>1 credit</td>
<td>Prereq: Enrollment in the Master of School Mathematics Program or Professional Studies in Education</td>
<td>ARRANGED</td>
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<td>MATH 160</td>
<td>CALCULUS II</td>
<td>4 credits</td>
<td>Prereq: Grade of C or better in Math 151, Math 156, Math 181-182. 6 credits of Math 151, Math 181, Math 186 (or 166) may be applied toward graduation if no other calculus has been taken</td>
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<tr>
<td>MATH 599</td>
<td>UNDERGRAD SEMINAR</td>
<td>2 credits</td>
<td>Prereq: Consent of Instructor</td>
<td>ARRANGED</td>
<td>MEETS: JUNE 19-JULY 8</td>
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<tr>
<td>MATH 500</td>
<td>FLUID FLOW</td>
<td>4 credits</td>
<td>Prereq: Credit or enrollment in M E 332, E M 345</td>
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<td>MATH 265</td>
<td>MATRICES &amp; LINEAR ALGEBRA</td>
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<td>MATH 301</td>
<td>INDEPENDENT STUDY HONORS</td>
<td>1-3 credits</td>
<td>Prereq: Membership in University Honors Program</td>
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<td>MATH 317</td>
<td>INDEPENDENT STUDY HONORS</td>
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<td>MATH 266</td>
<td>DIFF EQ &amp; TRANSFORMS</td>
<td>3 credits</td>
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MECHANICAL ENGINEERING (CONTINUED)

ENGINEERING MEASUREMENTS M E 370 3 CREDITS
Prereq: E E 442, STAT 305
Note: Course restricted to M E majors only
Avail for nonmajor graduate credit
4881005 1 MTWR 1:20-2:20
WF 2:30-5:30
MEETS: MAY 19-JUNE 27

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

COOPERATIVE EDUC M E 398 R CREDIT
Prereq: M E 298, PERMISSION OF DEPARTMENT AND ENGINEERING CAREER SERVICES
********
SEE DEPT FOR REFERENCE NUMBERS

SYST DYNAM & CONTROL M E 421 4 CREDITS
Prereq: E M 435, MATH 267, E E 442, E E 448
Note: Available for nonmajor graduate credit
6310005 1 MTWR 12:10-1:10
MW 2:30-4:55
MEETS: MAY 19-JUNE 27
6310010 2 MTWR 12:10-1:10
TR 2:30-4:55
MEETS: MAY 19-JUNE 27
6310015 3 MTWR 12:10-1:10
TR 5:00-7:25PM
MEETS: MAY 19-JUNE 27

HEAT TRANSFER M E 436 4 CREDITS
Prereq: M E 335
Note: Available for nonmajor graduate credit
5710005 1 MTWR 9:50-11:10
MW 2:30-4:55
MEETS: JUNE 30-AUG 8
5711005 2 MTWR 9:50-11:10
TR 1:20-3:45
MEETS: JUNE 30-AUG 8
5711015 3 MTWR 9:50-11:10
MW 1:10-2:35
MEETS: JUNE 30-AUG 8

INDEPENDENT STUDY HONORS M E 490H 1-6 CREDITS
Prereq: SR CLASSIFICATION, MEMBERSHIP IN HONORS PROGRAM, COURSE RESTRICTED TO HONORS PROGRAM STUDENTS ONLY
********
SEE DEPT FOR REFERENCE NUMBERS

INDEPENDENT STUDY THERMODYN M E 490J 1-6 CREDITS
Prereq: SENIOR CLASSIFICATION
********
SEE DEPT FOR REFERENCE NUMBERS

INDEPENDENT STUDY NUCLEAR ENGR M E 490M 1-6 CREDITS
Prereq: SENIOR CLASSIFICATION
********
SEE DEPT FOR REFERENCE NUMBERS

INDEPENDENT STUDY PROCESS M E 490Q 1-6 CREDITS
Prereq: SENIOR CLASSIFICATION
********
SEE DEPT FOR REFERENCE NUMBERS

COOPERATIVE EDUC M E 498 R CREDIT
Prereq: M E 298, PERMISSION OF DEPARTMENT AND ENGINEERING CAREER SERVICES
********
SEE DEPT FOR REFERENCE NUMBERS

SP TOP LIT INVESTIG M E 590Q 1-8 CREDITS
********
SEE DEPT FOR REFERENCE NUMBERS

SP TOP BIOMATERIALS M E 590T 1-8 CREDITS
********
SEE DEPT FOR REFERENCE NUMBERS

SP TOP CLEAN ENGRY M E 590V 1-8 CREDITS
********
SEE DEPT FOR REFERENCE NUMBERS

SP TOP SIMUL & VISUL M E 590Z 1-8 CREDITS
********
SEE DEPT FOR REFERENCE NUMBERS

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

ADV TOP FLUID MECH M E 690B VAR. CREDITS
********
SEE DEPT FOR REFERENCE NUMBERS

ADV TOP HEAT TRANSF M E 690C VAR. CREDITS
********
SEE DEPT FOR REFERENCE NUMBERS

ADV TOP AUTO CONTROL M E 690T VAR. CREDITS
********
SEE DEPT FOR REFERENCE NUMBERS

ADV TOP MATLS BEHAV M E 690K VAR. CREDITS
********
SEE DEPT FOR REFERENCE NUMBERS

MECHANICAL ENGINEERING (CONTINUED)

ADV TOP MFG PROCESS M E 690L VAR. CREDITS
********
SEE DEPT FOR REFERENCE NUMBERS

ADV TOP THERMAL M E 690M VAR. CREDITS
********
SEE DEPT FOR REFERENCE NUMBERS

ADV TOP SENSITIVITY M E 690N VAR. CREDITS
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SEE DEPT FOR REFERENCE NUMBERS

ADV TOP ENGR COMPUT M E 690P VAR. CREDITS
SEE DEPT FOR REFERENCE NUMBERS

ADV TOP ENGR MEASUR M E 690Q VAR. CREDITS
********
SEE DEPT FOR REFERENCE NUMBERS

ADV TOP LIT INVESTIG M E 690Q VAR. CREDITS
********
SEE DEPT FOR REFERENCE NUMBERS

ENGINEERING INTERNSHIP M E 697 R CREDIT
Prereq: PERMISSION OF DIRECTOR OF GRADUATE EDUCATION, GRADUATE CLASSIFICATION
Satisfactory-Fail Only. 8151005 ARRANGED
MEETS: MAY 19-AUG 8

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

METEOROLOGY

COOPERATIVE EDUC MTEOR 298 R CREDIT
Prereq: PERMISSION OF THE DEPT COOPERATIVE EDUCATION COORDINATOR; SOPHOMORE CLASSIFICATION
4813005 ARRANGED
MEETS: MAY 19-AUG 8

METEOROLOGY INTERNSHIP MTEOR 321 1-2 CREDITS
Prereq: MTEOR 311; JR OR SR STANDING; PERMISSION OF COOP PROGRAM COORD; ACCEPTANCE BY SPONSORING AGENCY
Satisfactory-Fail Only. 5381005 ARRANGED
MEETS: MAY 19-AUG 8

COOPERATIVE EDUC MTEOR 398 R CREDIT
Prereq: PERMISSION OF THE DEPT COOPERATIVE EDUCATION COORDINATOR; JUNIOR CLASSIFICATION
4823005 ARRANGED
MEETS: MAY 19-AUG 8

INDEPENDENT STUDY SYNOPTIC MTEOR 490A 1-3 CREDITS
Prereq: 6 CREDITS IN MTEOR, INSTRUCTOR PERMISSION
Note: No more than 9 credits in MTEOR may be applied toward graduation
8424005 ARRANGED
MEETS: MAY 19-AUG 8

INDEPENDENT STUDY DYNAMIC MTEOR 490B 1-3 CREDITS
Prereq: 6 CREDITS IN MTEOR, INSTRUCTOR PERMISSION
Note: No more than 9 credits in MTEOR may be applied toward graduation
8425005 ARRANGED
MEETS: MAY 19-AUG 8

INDEPENDENT STUDY PHYSICAL MTEOR 490C 1-3 CREDITS
Prereq: 6 CREDITS IN MTEOR, INSTRUCTOR PERMISSION
Note: No more than 9 credits in MTEOR may be applied toward graduation
8426005 ARRANGED
MEETS: MAY 19-AUG 8

INDEPENDENT STUDY HYDROLOGY MTEOR 490E 1-3 CREDITS
Prereq: 6 CREDITS IN MTEOR, INSTRUCTOR PERMISSION
Note: No more than 9 credits in MTEOR may be applied toward graduation
8427005 ARRANGED
MEETS: MAY 19-AUG 8

INDEPENDENT STUDY INSTRUMENTATION MTEOR 490D 1-3 CREDITS
Prereq: 6 CREDITS IN MTEOR, INSTRUCTOR PERMISSION
Note: No more than 9 credits in MTEOR may be applied toward graduation
8428005 ARRANGED
MEETS: MAY 19-AUG 8

INDEPENDENT STUDY SYNOPTIC MTEOR 490A 1-3 CREDITS
Prereq: 6 CREDITS IN MTEOR, INSTRUCTOR PERMISSION
Note: No more than 9 credits in MTEOR may be applied toward graduation
8424005 ARRANGED
MEETS: MAY 19-AUG 8

INDEPENDENT STUDY DYNAMIC MTEOR 490B 1-3 CREDITS
Prereq: 6 CREDITS IN MTEOR, INSTRUCTOR PERMISSION
Note: No more than 9 credits in MTEOR may be applied toward graduation
8425005 ARRANGED
MEETS: MAY 19-AUG 8

INDEPENDENT STUDY PHYSICAL MTEOR 490C 1-3 CREDITS
Prereq: 6 CREDITS IN MTEOR, INSTRUCTOR PERMISSION
Note: No more than 9 credits in MTEOR may be applied toward graduation
8426005 ARRANGED
MEETS: MAY 19-AUG 8

INDEPENDENT STUDY HYDROLOGY MTEOR 490E 1-3 CREDITS
Prereq: 6 CREDITS IN MTEOR, INSTRUCTOR PERMISSION
Note: No more than 9 credits in MTEOR may be applied toward graduation
8668005 ARRANGED
MEETS: MAY 19-AUG 8

INDEPENDENT STUDY CLIMATE/WATER MTEOR 490F 1-3 CREDITS
Prereq: 6 CREDITS IN MTEOR, INSTRUCTOR PERMISSION
Note: No more than 9 credits in MTEOR may be applied toward graduation
3583005 ARRANGED
MEETS: MAY 19-AUG 8

COOPERATIVE EDUC MTEOR 498 R CREDIT
Prereq: PERMISSION OF THE DEPT COOPERATIVE EDUCATION COORDINATOR; SENIOR CLASSIFICATION
4824005 ARRANGED
MEETS: MAY 19-AUG 8
METEOROLOGY (CONTINUED)

SPL TOP LOCAL-LAYER  MTEOR 590A  1- 3 CREDITS
Prereq: PERMISSION OF INSTRUCTOR
8427005  ARRANGED
MEETS: MAY 19-AUG 8

SPL TOPICS TROPICAL  MTEOR 590B  1- 3 CREDITS
Prereq: PERMISSION OF INSTRUCTOR
8429005  ARRANGED
MEETS: MAY 19-AUG 8

SPL TOPICS MESOSCALE  MTEOR 590C  1- 3 CREDITS
Prereq: PERMISSION OF INSTRUCTOR
8430005  ARRANGED
MEETS: MAY 19-AUG 8

SPL TOP GLOBAL SYST  MTEOR 590D  1- 3 CREDITS
Prereq: PERMISSION OF INSTRUCTOR
8431005 ARRANGED
MEETS: MAY 19-AUG 8

SPL TOP CLIM MODELS  MTEOR 590E  1- 3 CREDITS
Prereq: PERMISSION OF INSTRUCTOR
8432005 ARRANGED
MEETS: MAY 19-AUG 8

SPL TOP NUMERICAL PRED  MTEOR 590F  1- 3 CREDITS
Prereq: PERMISSION OF INSTRUCTOR
8433005 ARRANGED
MEETS: MAY 19-AUG 8

SPL TOP SATELL OBSERVATIONS  MTEOR 590G  1- 3 CREDITS
Prereq: PERMISSION OF INSTRUCTOR
8434005 ARRANGED
MEETS: MAY 19-AUG 8

SPL TOP STAT METHODS  MTEOR 590H  1- 3 CREDITS
Prereq: PERMISSION OF INSTRUCTOR
8435005 ARRANGED
MEETS: MAY 19-AUG 8

SPL TOP FIELD OBSERVATIONS  MTEOR 590I  1- 3 CREDITS
Prereq: PERMISSION OF INSTRUCTOR
8437005 ARRANGED
MEETS: MAY 19-AUG 8

SPL TOP LOW FREQUENCY  MTEOR 590J  1- 3 CREDITS
Prereq: PERMISSION OF INSTRUCTOR
1230005 ARRANGED
MEETS: MAY 19-AUG 8

SPL TOP CLOUD PHYSICS  MTEOR 590K  1- 3 CREDITS
Prereq: PERMISSION OF INSTRUCTOR
3901005 ARRANGED
MEETS: MAY 19-AUG 8

SPL TOP ATMOSP RADIA  MTEOR 590L  1- 3 CREDITS
Prereq: PERMISSION OF INSTRUCTOR
3904005 ARRANGED
MEETS: MAY 19-AUG 8

SPL TOP GEOPH FLUID DYNAMICS  MTEOR 590M  1- 3 CREDITS
Prereq: PERMISSION OF INSTRUCTOR
8669005 ARRANGED
MEETS: MAY 19-AUG 8

SP TOP GEOPH FLUID DYNAMICS  MTEOR 590N  1- 3 CREDITS
Prereq: PERMISSION OF INSTRUCTOR
9186120 TC ARRANGED
MEETS: MAY 19-AUG 8

RESEARCH  MTEOR 699 VAR. CREDITS
Note: Instructor permission required 1st week.

MICROBIOLOGY

BIOL MICROORGANISMS  MICRO 302  3 CREDITS
Prereq: BIOL 211, CREDIT OR ENROLLMT IN BIOL 212;
ONE SEMESTER OF CHEMISTRY
1426005 A M TuWTh 9:50-10:50
MEETS: MAY 19-JULY 11
1426010 B ARRANGED
MEETS: MAY 19-JULY 11
Note: Course delivery is WWW

MICROBIOLOGY LAB  MICRO 302L  1 CREDIT
Prereq: CREDIT OR ENROLLMENT IN MICRO 302
Note: CREDIT FOR EITHER MICRO 201L OR MICRO 302L,
BUT NOT BOTH, MAY BE APPLIED TOWARD GRADUATION
3024005 1 M TuWTh 11:00-1:00
MEETS: MAY 19-JULY 11

INDEPENDENT STUDY  MICRO 490  1- 5 CREDITS
Prereq: A MINIMUM OF 6 CR OR HOURS OF 300-LEVEL OR
ABOVE COURSEWORK IN MICRO, PERMISSION OF INSTRUCTOR
Note: NO MORE THAN 6 CREDITS OF MICRO 490 MAY BE
USED TOWARD THE TOTAL OF 128 CREDITS REQUIRED FOR
GRADUATION. RESTRICTED TO HONORS PROGRAM STUDENTS
Instructor permission required 1st week.

MICROBIOLOGY (CONTINUED)

HONORS INDEPENDENT STUDY  MICRO 490H  1- 5 CREDITS
Prereq: A MINIMUM OF 6 CR OR HOURS OF 300-LEVEL OR
ABOVE COURSEWORK IN MICRO, INSTR PERMISSION, MEMBERSHIP IN
UNIV HONORS PROGRAM
Note: NO MORE THAN 6 CREDITS OF MICRO 490 MAY BE
USED TOWARD THE TOTAL OF 128 CREDITS REQUIRED FOR
GRADUATION. RESTRICTED TO HONORS PROGRAM STUDENTS
Instructor permission required 1st week.

INTERNSHIP  MICRO 495  1- 2 CREDITS
Prereq: AT LEAST 6 CREDITS OF 300-LEVEL OR ABOVE
COURSEWORK IN MICRO, APPROVAL OF ACADEMIC ADVISOR
Satisfactory-Fail Only.
9679005 ARRANGED
MEETS: MAY 19-AUG 8

CURR TOPIC MICROBIOLOGY  MICRO 690A  1- 3 CREDITS
Prereq: Instructor permission required 1st week.

GRAD RESEARCH ROTATION  MICRO 697  VAR. CREDITS
7161005 ARRANGED
MEETS: MAY 19-AUG 8

RESEARCH  MICRO 699 VAR. CREDITS
Note: Instructor permission required 1st week.

MILITARY SCIENCE

IND STDY: BASIC MILITARY SCI  M S 290  1- 3 CREDITS
Prereq: PERMISSION OF THE DEPT CHAIR
8153005 ARRANGED
SMITH R
MEETS: MAY 19-AUG 8

IND STDY: ADVANCED MILITARY SCI  M S 490  1 CREDIT
Prereq: M S 301, M S 302, M S 401, M S 402;
PERMISSION OF THE MILITARY SCIENCE DEPARTMENT CHAIR
9598005 ARRANGED
SMITH R
MEETS: MAY 19-AUG 8

MOLECULAR CELLULAR DEV BIOLOGY

GRAD RESEARCH ROTATION  MCBDB  697  1- 6 CREDITS
7278005 ARRANGED
MEETS: MAY 19-JULY 11

RESEARCH  MCBDB 699 VAR. CREDITS

MUSIC

INTRODUCED  MUSIC 102  3 CREDITS
Note: Meets international perspectives reqmt
5406005 A ARRANGED
MEETS: MAY 19-AUG 8

APPLIED MUSIC VOICE  MUSIC 118A  1- 2 CREDITS
Prereq: AUDITION, PERMISSION OF INSTRUCTOR
Note: CREDIT IN MUSIC 118A WILL NOT SATISFY APPLIED
MUSIC REQUIREMENTS FOR MUSIC MAJORS
Applied Music fee $150.00-$190.00

APPLIED MUSIC PIANO  MUSIC 118B  1- 2 CREDITS
Prereq: AUDITION, PERMISSION OF INSTRUCTOR
Note: CREDIT IN MUSIC 118B WILL NOT SATISFY APPLIED
MUSIC REQUIREMENTS FOR MUSIC MAJORS
Applied Music fee $150.00-$190.00

APPLIED MUSIC STRINGS  MUSIC 118C  1- 2 CREDITS
Prereq: AUDITION, PERMISSION OF INSTRUCTOR
Applied Music fee $150.00-$190.00

APPLIED MUSIC Strings  MUSIC 118D  1- 2 CREDITS
Prereq: AUDITION, PERMISSION OF INSTRUCTOR
Applied Music fee $150.00-$190.00

APPLIED MUSIC WOODWIND  MUSIC 118F  1- 2 CREDITS
Prereq: AUDITION, PERMISSION OF INSTRUCTOR
Applied Music fee $150.00-$190.00
APPLIED MUSIC PIANO  MUSIC 119B  1- 3 CREDITS  
Prereq: AUDITION, INSTR PERMISN, MUSIC MAJORS ONLY  
Note: COURSE ONLY OFFERED FOR 1-2 CREDITS SUMMER 2014  
Applied Music fee $150.00-$190.00  
*******  
SEE DEPT FOR REFERENCE NUMBERS  
APPLIED MUSIC STRINGS  MUSIC 119D  1- 3 CREDITS  
Prereq: AUDITION, INSTR PERMISN, MUSIC MAJORS ONLY  
Note: COURSE ONLY OFFERED FOR 1-2 CREDITS SUMMER 2014  
Applied Music fee $150.00-$190.00  
*******  
SEEN DEPT FOR REFERENCE NUMBERS  
APPL MUSIC CARILLON  MUSIC 119E  1- 3 CREDITS  
Prereq: AUDITION, INSTR PERMISN, MUSIC MAJORS ONLY  
Note: COURSE ONLY OFFERED FOR 1-2 CREDITS SUMMER 2014  
Applied Music fee $150.00-$190.00  
*******  
SEEN DEPT FOR REFERENCE NUMBERS  
APPL MUSIC WOODWIND  MUSIC 119F  1- 3 CREDITS  
Prereq: AUDITION, INSTR PERMISN, MUSIC MAJORS ONLY  
Note: COURSE ONLY OFFERED FOR 1-2 CREDITS SUMMER 2014  
Applied Music fee $150.00-$190.00  
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SEEN DEPT FOR REFERENCE NUMBERS  
APPLIED MUSIC BRASS  MUSIC 119G  1- 3 CREDITS  
Prereq: AUDITION, INSTR PERMISN, MUSIC MAJORS ONLY  
Note: COURSE ONLY OFFERED FOR 1-2 CREDITS SUMMER 2014  
Applied Music fee $150.00-$190.00  
*******  
SEEN DEPT FOR REFERENCE NUMBERS  
APPLIED MUSIC VOICE  MUSIC 219A  1- 3 CREDITS  
Prereq: AUDITION, INSTR PERMISN, MUSIC MAJORS ONLY  
Note: COURSE ONLY OFFERED FOR 1-2 CREDITS SUMMER 2014  
Applied Music fee $150.00-$190.00  
*******  
SEEN DEPT FOR REFERENCE NUMBERS  
APPLIED MUSIC PIANO  MUSIC 219B  1- 3 CREDITS  
Prereq: AUDITION, INSTR PERMISN, MUSIC MAJORS ONLY  
Note: COURSE ONLY OFFERED FOR 1-2 CREDITS SUMMER 2014  
Applied Music fee $150.00-$190.00  
*******  
SEEN DEPT FOR REFERENCE NUMBERS  
APPLIED MUSIC STRINGS  MUSIC 219D  1- 3 CREDITS  
Prereq: AUDITION, INSTR PERMISN, MUSIC MAJORS ONLY  
Note: COURSE ONLY OFFERED FOR 1-2 CREDITS SUMMER 2014  
Applied Music fee $150.00-$190.00  
*******  
SEEN DEPT FOR REFERENCE NUMBERS  
APPLIED MUSIC BRASS  MUSIC 219G  1- 3 CREDITS  
Prereq: AUDITION, INSTR PERMISN, MUSIC MAJORS ONLY  
Note: COURSE ONLY OFFERED FOR 1-2 CREDITS SUMMER 2014  
Applied Music fee $150.00-$190.00  
*******  
SEEN DEPT FOR REFERENCE NUMBERS  
APPLIED MUSIC CARILLON  MUSIC 319E  1- 3 CREDITS  
Prereq: AUDITION, INSTR PERMISN, MUSIC MAJORS ONLY  
Note: COURSE ONLY OFFERED FOR 1-2 CREDITS SUMMER 2014  
Applied Music fee $150.00-$190.00  
*******  
SEEN DEPT FOR REFERENCE NUMBERS  
APPLIED MUSIC PIANO  MUSIC 319B  1- 3 CREDITS  
Prereq: AUDITION, INSTR PERMISN, MUSIC MAJORS ONLY  
Note: COURSE ONLY OFFERED FOR 1-2 CREDITS SUMMER 2014  
Applied Music fee $150.00-$190.00  
*******  
SEEN DEPT FOR REFERENCE NUMBERS  
APPLIED MUSIC STRINGS  MUSIC 319D  1- 3 CREDITS  
Prereq: AUDITION, INSTR PERMISN, MUSIC MAJORS ONLY  
Note: COURSE ONLY OFFERED FOR 1-2 CREDITS SUMMER 2014  
Applied Music fee $150.00-$190.00  
*******  
SEEN DEPT FOR REFERENCE NUMBERS  
APPLIED MUSIC BRASS  MUSIC 319G  1- 3 CREDITS  
Prereq: AUDITION, INSTR PERMISN, MUSIC MAJORS ONLY  
Note: COURSE ONLY OFFERED FOR 1-2 CREDITS SUMMER 2014  
Applied Music fee $150.00-$190.00  
*******  
SEEN DEPT FOR REFERENCE NUMBERS  
APPLIED MUSIC PERCUSS  MUSIC 319I  1- 3 CREDITS  
Prereq: AUDITION, INSTR PERMISN, MUSIC MAJORS ONLY  
Note: COURSE ONLY OFFERED FOR 1-2 CREDITS SUMMER 2014  
Applied Music fee $150.00-$190.00  
*******  
SEEN DEPT FOR REFERENCE NUMBERS  
APPLIED MUSIC VOICE  MUSIC 319A  1- 3 CREDITS  
Prereq: AUDITION, INSTR PERMISN, MUSIC MAJORS ONLY  
Note: COURSE ONLY OFFERED FOR 1-2 CREDITS SUMMER 2014  
Applied Music fee $150.00-$190.00  
*******  
SEEN DEPT FOR REFERENCE NUMBERS  
APPLIED MUSIC CARILLON  MUSIC 319E  1- 3 CREDITS  
Prereq: AUDITION, INSTR PERMISN, MUSIC MAJORS ONLY  
Note: COURSE ONLY OFFERED FOR 1-2 CREDITS SUMMER 2014  
Applied Music fee $150.00-$190.00  
*******  
SEEN DEPT FOR REFERENCE NUMBERS  
APPLIED MUSIC PIANO  MUSIC 319B  1- 3 CREDITS  
Prereq: AUDITION, INSTR PERMISN, MUSIC MAJORS ONLY  
Note: COURSE ONLY OFFERED FOR 1-2 CREDITS SUMMER 2014  
Applied Music fee $150.00-$190.00  
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SEEN DEPT FOR REFERENCE NUMBERS  
APPLIED MUSIC STRINGS  MUSIC 319D  1- 3 CREDITS  
Prereq: AUDITION, INSTR PERMISN, MUSIC MAJORS ONLY  
Note: COURSE ONLY OFFERED FOR 1-2 CREDITS SUMMER 2014  
Applied Music fee $150.00-$190.00  
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SEEN DEPT FOR REFERENCE NUMBERS  
APPLIED MUSIC BRASS  MUSIC 319G  1- 3 CREDITS  
Prereq: AUDITION, INSTR PERMISN, MUSIC MAJORS ONLY  
Note: COURSE ONLY OFFERED FOR 1-2 CREDITS SUMMER 2014  
Applied Music fee $150.00-$190.00  
*******  
SEEN DEPT FOR REFERENCE NUMBERS  
APPLIED MUSIC PERCUSS  MUSIC 319I  1- 3 CREDITS  
Prereq: AUDITION, INSTR PERMISN, MUSIC MAJORS ONLY  
Note: COURSE ONLY OFFERED FOR 1-2 CREDITS SUMMER 2014  
Applied Music fee $150.00-$190.00  
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SEEN DEPT FOR REFERENCE NUMBERS  
ADV ENSEMBLE PIANO  MUSIC 321B  1 CREDIT  
Prereq: ADVANCED PROFICIENCY AND PERFORMING  
ABILITY, PERMISSION OF INSTRUCTOR  
*******  
SEEN DEPT FOR REFERENCE NUMBERS  
ADV ENSEMBLE STRINGS  MUSIC 321D  1 CREDIT  
Prereq: ADVANCED PROFICIENCY AND PERFORMING  
ABILITY, PERMISSION OF INSTRUCTOR  
*******  
SEEN DEPT FOR REFERENCE NUMBERS  
ADV ENSEMBLE WOODWINDS  MUSIC 321F  1 CREDIT  
Prereq: ADVANCED PROFICIENCY AND PERFORMING  
ABILITY, PERMISSION OF INSTRUCTOR  
*******  
SEEN DEPT FOR REFERENCE NUMBERS  
ADV ENSEMBLE MIXED  MUSIC 321J  1 CREDIT  
Prereq: ADVANCED PROFICIENCY AND PERFORMING  
ABILITY, PERMISSION OF INSTRUCTOR  
*******  
SEEN DEPT FOR REFERENCE NUMBERS  
LIT & PEDAGOGY VOICE  MUSIC 415A  1- 4 CREDITS  
Prereq: PERMISSION OF INSTRUCTOR  
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SEEN DEPT FOR REFERENCE NUMBERS  
LIT & PEDAGOGY PIANO  MUSIC 415B  1- 4 CREDITS  
Prereq: PERMISSION OF INSTRUCTOR  
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SEEN DEPT FOR REFERENCE NUMBERS  
LIT & PEDAGOGY STRINGS  MUSIC 415D  1- 4 CREDITS  
Prereq: PERMISSION OF INSTRUCTOR  
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<td>Jazz Perf</td>
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NATURAL RESOURCE ECOLOGY AND MGMT

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<td>Aquatic Ecology</td>
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**ORGANIZATION FOR TROPICAL STUDIES**

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<tr>
<td>OTS 510</td>
<td>Eco Trop Bio</td>
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**PERFORMING ARTS**

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<tr>
<td>PERF 401</td>
<td>Perf Arts Seminar</td>
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<td>NUC 401</td>
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POLITICAL SCIENCE (CONTINUED)

PSYCHOLOGY (CONTINUED)

POL SCI INTERNSHIP POL S 499 VAR. CREDITS
PreReq: 6 CREDITS IN POL S; JUNIOR OR SENIOR CLASSIFICATION; PERMISSION OF INSTRUCTOR OR COORDINATOR
Note: USE OF POL S 499 IN POL S MAJOR AND MINOR DEGREE REQUIREMENTS IS LIMITED. SEE UNDERGRADUATE STUDY SECTION OF CATALOG FOR DETAILS.
Satisfactory-Fail Only.
******* SEE DEPT FOR REFERENCE NUMBERS

SPL TOP US P INSTIT POL S 590A 2- 5 CREDITS
PreReq: 15 CR IN POL S; WRITTEN INSTRUCTOR PERMISSION
Note: Instructor permission required 1st week.
******* SEE DEPT FOR REFERENCE NUMBERS

SPL TOPC PUBLIC LAW POL S 590B 2- 5 CREDITS
PreReq: 15 CR IN POL S; WRITTEN INSTRUCTOR PERMISSION
Note: Instructor permission required 1st week.
******* SEE DEPT FOR REFERENCE NUMBERS

SP TOP POLIT THEORY POL S 590C 2- 5 CREDITS
PreReq: 15 CR IN POL S; WRITTEN INSTRUCTOR PERMISSION
Note: Instructor permission required 1st week.
******* SEE DEPT FOR REFERENCE NUMBERS

SPL TOP INT'L RELAT POL S 590D 2- 5 CREDITS
PreReq: 15 CR IN POL S; WRITTEN INSTRUCTOR PERMISSION
Note: Instructor permission required 1st week.
******* SEE DEPT FOR REFERENCE NUMBERS

SPL TOP POLICY PROC POL S 590F 2- 5 CREDITS
PreReq: 15 CR IN POL S; WRITTEN INSTRUCTOR PERMISSION
Note: Instructor permission required 1st week.
******* SEE DEPT FOR REFERENCE NUMBERS

SPL TOP PUB POLAADM POL S 590G 2- 5 CREDITS
PreReq: 15 CR IN POL S; WRITTEN INSTRUCTOR PERMISSION
Note: PERMISSION OF INSTRUCTOR REQUIRED TO ADD FIRST WEEK. PROCESS APPROVED ADD SLIP IN 10 ENRL SC.
******* SEE DEPT FOR REFERENCE NUMBERS

SPCL TOP INTERNSHIP POL S 590I 2- 5 CREDITS
PreReq: 15 CR IN POL S; WRITTEN INSTRUCTOR PERMISSION
Note: Instructor permission required 1st week.
******* SEE DEPT FOR REFERENCE NUMBERS

INTERNSHIP POL S 598 3- 6 CREDITS
PreReq: 15 CREDITS IN POL S, PERMISSION OF 4540005 ARRANGED
MEETS: MAY 19-AUG 8

CREATIVE COMPONENT POL S 599 VAR. CREDITS
Note: Instructor permission required 1st week.
******* SEE DEPT FOR REFERENCE NUMBERS

SEM PUB ADMIN&POLICY POL S 610G 3 CREDITS
PreReq: 15 CREDITS IN POLITICAL SCIENCE
Note: Instructor permission required 1st week.
6059005 A MTWRF 1:20-3:20 MEETS: MAY 19-JULY 11

RESEARCH POL S 699 VAR. CREDITS
Note: Instructor permission required 1st week.
******* SEE DEPT FOR REFERENCE NUMBERS

INTRO TO PSYCHOLOGY PSYCH 101 3 CREDITS
6069005 A MTWRF 8:40-9:40 MEETS: MAY 19-JULY 11
6069010 B MTWRF 8:40-9:40 MEETS: JUNE 16-AUG 8

ACAD LEARN SKILLS PSYCH 131 1 CREDIT
Satisfactory-Fail Only.
6071005 A TR 3:00-4:00, ARRANGED MEETS: JUNE 16-AUG 8
Note: SECTION A FOR APEX PROGRAM STUDENTS ONLY
Information: http://www.wsu.istate.edu/asc/psych131/
6071010 B TR 1:00-2:00, ARRANGED MEETS: JUNE 16-AUG 8
Note: SECTION B FOR APEX PROGRAM STUDENTS ONLY

INTRO RESRCH EXPERNC PSYCH 291 1- 4 CREDITS
PreReq: PSYCH 101, SOPHOMORE CLASSIFICATION, INSTRUCTOR PERMISSION
Satisfactory-Fail Only.
******* SEE DEPT FOR REFERENCE NUMBERS

RES DSGN & METHODOL PSYCH 301 3 CREDITS
PreReq: STAT 101; 1 COURSE IN PSYCH
Note: COURSE RESTRICTED TO PSYCH MAJORS. MINORS ARE ELIGIBLE TO ADD THIS COURSE, BUT MUST GET AN ADD SLIP SIGNED IN 1021 NERD LA BOXY LAMORENO HALL.
6076005 A MTWRF 1:20-3:20 MEETS: MAY 19-JUNE 13
PSYCHOLOGY (CONTINUED)

INTERNSHIP IN PSYCH
PSYCH 597  R CREDIT
Prereq: M.S. DEGREE CANDIDACY; PERMISSION OF INSTRUCTOR
MEETS: 5/20-6/30
6350005  A MTWRF 8:00-11:00

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

EXT PRCTCM ADV CNSL
PSYCH 691D  VAR. CREDITS
Prereq: 691A, 691B, PERMISSION OF INSTRUCTOR
Note: COURSE ONLY OFFERED FOR 1-3 CREDITS SUMMER 2014
******* SEE DEPT FOR REFERENCE NUMBERS

PRACTICUM TEACHING
PSYCH 691T  VAR. CREDITS
Prereq: PSYCH 613, PERMISSION OF INSTRUCTOR
Satisfactory-Fail Only.
******* SEE DEPT FOR REFERENCE NUMBERS

INTERN COUNSELING
PSYCH 697  R CREDIT
Prereq: PH.D. CANDIDACY IN THE COUNSELING PSYCH PROGRAM, APPROVED DISSERTATION PROPOSAL, INSTR PERMIS
MEETS: MAY 19-6/30
6182005  A MTWRF 8:30-11:30

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

SPECIAL TOPICS
PSYCH 590  1-3 CREDITS
Prereq: NINE CREDITS IN PSYCHOLOGY
MEETS: 6/1-6/10
7036005  A MTWRF 12:00-2:00

INDEPENDENT STUDY
RELEG 490  1-3 CREDITS
Prereq: 6 CR IN RELIGIOUS STUDIES; PERMISSION OF INSTRUCTOR; APPROVAL OF DEPT CHAIR
Note: NO MORE THAN 9 CREDITS OF RELIG 490 MAY BE APPLIED TOWARD GRADUATION.
Instructor permission required 1st week.
******* SEE DEPT FOR REFERENCE NUMBERS

INDEPENDENT STUDY HONORS
RELEG 490H  1-3 CREDITS
Prereq: 6 CR IN RELIG, PERMISSION OF INSTRUCTOR, APPROVAL OF PROFESSOR IN CHARGE OF PROGRAM, MEMBERSHIP IN UNIVERSITY HONORS PROGRAM
Note: NO MORE THAN 9 CREDITS OF RELIG 490 MAY BE APPLIED TOWARD GRADUATION. RESTRICTED TO HONORS PROGRAM STUDENTS ONLY.
Instructor permission required 1st week.
******* SEE DEPT FOR REFERENCE NUMBERS

SPL TOP RELIG STUDI
RELEG 590  1-3 CREDITS
Prereq: PERMISSION OF INSTRUCTOR, 9 CR IN RELIG
MEETS: MAY 19-6/8
3615005  A ARRANGED

RESEARCH & EVALUATION

INTRO QLTV RES MTHD
RESERV 580  3 CREDITS
4059005  R 8:00-8:00PM
F 12:00-6:00PM
MEETS: MAY 22-7/18
Note: MEETINGS ON MAY 22, JUNE 5, 6, 19, 20 JULY 17, 18

SPECIAL TOPICS
RESERV 590  1-3 CREDITS
Prereq: GRADUATE STANDING
******* SEE DEPT FOR REFERENCE NUMBERS

SUPRVS FIELD EXPER
RESERV 591  2-4 CREDITS
Prereq: RESERV 580 OR RESERV 680
******* SEE DEPT FOR REFERENCE NUMBERS

ADV SPECIAL TOPICS
RESERV 690  1-3 CREDITS
Prereq: GRADUATE STANDING
******* SEE DEPT FOR REFERENCE NUMBERS

RESEARCH
RESERV 699  VAR. CREDITS
Prereq: GRADUATE STANDING
******* SEE DEPT FOR REFERENCE NUMBERS

RUSSIAN

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

RUSSIAN INTERNSHIP
RUS 499  1-3 CREDITS
Prereq: 9 CREDITS OF RUSSIAN AT THE 300 LEVEL; PERMISSION OF ADVISER AND WORLD LANGUAGES AND CULTURES INTERNSHIP COORDINATOR
Note: NO MORE THAN 3 CREDITS IN RUS 499 MAY BE APPLIED TOWARD GRADUATION IN THE MAJOR
Department permission required.
Satisfactory-Fail Only.
******* SEE DEPT FOR REFERENCE NUMBERS

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
6346005  A MTWRF 9:50-11:50
MEETS: JUNE 16-JULY 1

SOC PSYCH:SOC PERSP
SOC 305  3 CREDITS
Prereq: SOC 130 OR SOC 134
6355005  A MTWRF 8:40-10:40
MEETS: JUNE 16-JULY 11

SEX/GENDER IN SOCIE
SOC 327  3 CREDITS
Prereq: SOC 130 OR SOC 134
Note: Meets U.S. diversity reqmt
6370005  A ARRANGED
MEETS: MAY 19-JUNE 13

CRIM 4 JUV JUST PRAC
SOC 460  3-12 CREDITS
Prereq: JR/SR CLASSIFICATN; PERMISSION OF THE CJ ST COORDINATOR; MAJOR OR MINOR IN SOC, OR CJ ST MINOR
Note: NO MORE THAN 12 CREDITS OF FIELD EXPERIENCE (SOC 454 & 460) MAY BE APPLIED TOWARD GRADUATION.
NO CREDITS IN SOC 460 MAY BE USED TO SATISFY MINIMUM SOCIOLOGY REQUIREMENTS FOR SOCIOLOGY MAJORS.
Satisfactory-Fail Only.
******* SEE DEPT FOR REFERENCE NUMBERS

INDEPENDENT STUDY GEN SOC
SOC 490A  1-3 CREDITS
Prereq: 6 CR IN SOC AND PERMISSION OF INSTRUCTOR
Note: STUDENTS IN THE COLLEGE OF AGRICULTURE MAY APPLY NO MORE THAN 6 CREDITS OF SOC 490 TOWARD THE TOTAL OF 128 CREDITS REQUIRED FOR GRADUATION.
NO MORE THAN 3 CREDITS IN SOC 490 MAY BE APPLIED TOWARD GRADUATION IN THE MAJOR
******* SEE DEPT FOR REFERENCE NUMBERS

IND STUDY RURAL SOC
SOC 490B  1-3 CREDITS
Prereq: 6 CR IN SOC AND INSTRUCTOR PERMISSION
Note: STUDENTS IN THE COLLEGE OF AGRICULTURE MAY APPLY NO MORE THAN 6 CREDITS OF SOC 490 TOWARD THE TOTAL OF 128 CREDITS REQUIRED FOR GRADUATION.
NO MORE THAN 3 CREDITS IN SOC 490 MAY BE APPLIED TOWARD GRADUATION IN THE MAJOR
******* SEE DEPT FOR REFERENCE NUMBERS

INDEPENDENT STUDY HONORS
SOC 490H  1-3 CREDITS
Prereq: 6 CR IN SOC AND PERMISSION OF INSTRUCTOR, MEMBERSHIP IN UNIV HONORS PROGRAM
Note: STUDENTS IN THE COLLEGE OF AGRICULTURE MAY APPLY NO MORE THAN 6 CREDITS OF SOC 490 TOWARD THE TOTAL OF 128 CREDITS REQUIRED FOR GRADUATION.
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SPL TOPICSGEN SOC
SOC 590A  1-3 CREDITS
Prereq: 6 CR IN SOC OR GRADUATE CLASSIFICATN
******* SEE DEPT FOR REFERENCE NUMBERS

SPL TOPICS RURAL SOC
SOC 590B  1-3 CREDITS
Prereq: 6 CR IN SOC OR GRADUATE CLASSIFICATN
******* SEE DEPT FOR REFERENCE NUMBERS

MASTERS RES GEN SOC
SOC 599A  1-6 CREDITS
******* SEE DEPT FOR REFERENCE NUMBERS

MASTERS RSCH RURAL SOC
SOC 599B  1-6 CREDITS
******* SEE DEPT FOR REFERENCE NUMBERS

RESEARCH GENERL SOC
SOC 699A  1-8 CREDITS
******* SEE DEPT FOR REFERENCE NUMBERS
SOCIOLOGY

RESEARCH RURAL SOC SOC 699B 1-8 CREDITS

SOFTWARE ENGINEERING

COOPERATIVE EDUCATN S E 298 R CREDIT
Prereq: PERMISSION OF DEPT AND CAREER SERVICES

SUMMER INTERNSHIP S E 396 R CREDIT
Prereq: PERMISSION OF DEPT AND CAREER SERVICES

COOPERATIVE EDUCATN S E 398 R CREDIT
Prereq: S E 298, PERMISSION OF DEPT & CAREER SERVICES

SPANISH

ELEMENTARY SPANISH I SPAN 101 4 CREDITS
6473005 1 MTWRF 8:40-11:40 MEETS: MAY 19-JUNE 13
6473010 2 MTWRF 12:10-3:10 MEETS: MAY 19-JUNE 13

SPANISH II SPAN 102 4 CREDITS
Prereq: SPAN 101, SPAN 97 OR PLACEMENT BY DEPARTMENTAL EXAM
Note: Meets international perspectives reqmt
6474005 1 MTWRF 8:40-11:40 MEETS: JUNE 16-JULY 11

CONVERS THRU CULTUR SPAN 303A 3 CREDITS
Prereq: SPAN 202 OR PLACEMENT BY DEPARTMENTAL EXAM
Note: Meets international perspectives reqmt
6142005 1 MTWRF 8:40-11:40 MEETS: MAY 19-JUNE 6

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 27-JULY 17

Note: SECTION R2 IS REGENTS STUDY ABROAD IN PERU.
Offered for 3 CREDITS.
Tuition Category: Regents Summer Study Abroad
6489030 R2 ARRANGED MEETS: MAY 27-JULY 17

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 2014.
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

SPECIAL EDUCATION

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

****** SEE DEPT FOR REFERENCE NUMBERS

TCHEXPT SC GEN ED SP ED 501 3 CREDITS
Prereq: BACCALAUREATE DEGREE
2607005 1 F 5:30-8:30PM S 8:00-4:00 MEETS: MAY 16-JUNE 14
Note: NO MEETINGS MAY 23,24

TCH STRUGL ADOL RDR SP ED 553 3 CREDITS
Prereq: TEACHING LICENSE
7663005 1 MTWRF 2:30-5:30 MEETS: JUNE 2-26

COLLABORTY CONSULTA SP ED 564 3 CREDITS
Prereq: SP ED 515, SPED 520 OR SP ED 530 OR 7370005 1 MTWRF 9:00-11:00 S 9:00-3:00 MEETS: JUNE 16-JULY 11
Note: NO MEETINGS JULY 3 AND JULY 5

SYS-LEVEL SUPP DISAB SP ED 570 3 CREDITS
Prereq: SP ED 515 MEETS: MAY 20-JULY 13 5068005 1 MTWRF 11:30-11:30 MEETS: JULY 14-AUG 8

SPECIAL TOPICS SP ED 590 1-5 CREDITS
Prereq: 15 CRS IN ED ED; PERMISSION OF DEPT CHAIR

****** SEE DEPT FOR REFERENCE NUMBERS

FLD EXP BIV/DS,5-21 SP ED 591K 1-6 CREDITS
Prereq: 15 GRAD CREDITS IN SPECIAL AREA; PERMISSION OF DEPT AND CAREER SERVICES ADMISSION TO GRAD PROGRAM IN SPECIAL EDUCATION
Note: COURSE RESTRICTED TO 6 MAJORS ONLY

****** SEE DEPT FOR REFERENCE NUMBERS

CREATIVE COMPONENT SP ED 599 1-5 CREDITS
Prereq: 15 CREDITS IN ED ED; PERMISSION OF DEPT AND CAREER SERVICES

****** SEE DEPT FOR REFERENCE NUMBERS

RESEARCH SP ED 699 VAR. CREDITS
Prereq: 15 CREDITS IN ED ED; PERMISSION OF DEPT AND CAREER SERVICES

****** SEE DEPT FOR REFERENCE NUMBERS

SPEECH COMMUNICATION

FUND PUBLIC SPEAKNG SP CM 212 3 CREDITS
8643010 1 MTWRF 7:30-9:40 MTWRF 9:50-12:00 MEETS: MAY 19-JUNE 13
Note: ON MAY 19 ATTEND ONLY THE 9:50 A.M. LECTURE.
LECTURE AND DISCUSSION MEET ON AN ALTERNATING SCHEDULE TO BE ANNOUNCED IN FIRST LECTURE.
CLASS MEETS 2 HOURS AND 10 MINUTES EACH DAY.
Section info: http://www.public.iastate.edu/~aslagell/spcm212/index.html

8643015 2 MTWRF 9:50-12:00 MTWRF 9:50-12:00 MEETS: MAY 19-JUNE 13
Note: ON MAY 19 ATTEND ONLY THE LECTURE. LECTURE IS THE SECOND MEETING TIME AND LOCATION LISTED ON SCHEDULE. LECTURE AND DISCUSSION MEET ON ALTERNATING SCHEDULE ANNOUNCED IN FIRST DAY OF LECTURE.
Section info: http://www.public.iastate.edu/~aslagell/spcm212/index.html

8643020 3 MTWRF 9:50-12:00 MTWRF 9:50-12:00 MEETS: MAY 19-JUNE 13
Note: ON MAY 19 ATTEND ONLY THE LECTURE. LECTURE IS THE SECOND MEETING TIME AND LOCATION LISTED ON SCHEDULE. LECTURE AND DISCUSSION MEET ON ALTERNATING SCHEDULE ANNOUNCED IN FIRST DAY OF LECTURE.
Section info: http://www.public.iastate.edu/~aslagell/spcm212/index.html

8643025 4 MTWRF 9:50-12:00 MTWRF 9:50-12:00 MEETS: MAY 19-JUNE 13
Note: ON MAY 19 ATTEND ONLY THE LECTURE. LECTURE IS THE SECOND MEETING TIME AND LOCATION LISTED ON SCHEDULE. LECTURE AND DISCUSSION MEET ON ALTERNATING SCHEDULE ANNOUNCED IN FIRST DAY OF LECTURE.
Section info: http://www.public.iastate.edu/~aslagell/spcm212/index.html

8643030 5 MTWRF 12:10-2:20 MTWRF 9:50-12:00 MEETS: MAY 19-JUNE 13
Note: ON MAY 19 ATTEND ONLY THE LECTURE. LECTURE IS THE SECOND MEETING TIME AND LOCATION LISTED ON SCHEDULE. LECTURE AND DISCUSSION MEET ON ALTERNATING SCHEDULE ANNOUNCED IN FIRST DAY OF LECTURE.
Section info: http://www.public.iastate.edu/~aslagell/spcm212/index.html

8643035 6 MTWRF 12:10-2:20 MTWRF 9:50-12:00 MEETS: MAY 19-JUNE 13
Note: ON MAY 19 ATTEND ONLY THE 9:50 A.M. LECTURE.
LECTURE AND DISCUSSION MEET ON AN ALTERNATING SCHEDULE TO BE ANNOUNCED IN FIRST LECTURE.
SPEECH COMMUNICATION (CONTINUED)

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
<th>Schedule</th>
<th>Instructor</th>
</tr>
</thead>
<tbody>
<tr>
<td>8643040</td>
<td>7</td>
<td>MTWF 9:50-12:00</td>
<td>MEETS: MAY 19-JUNE 13</td>
<td>Note: ON MAY 19 ATTEND ONLY THE LECTURE. LECTURE IS THE SECOND MEETING TIME AND LOCATION LISTED ON SCHEDULE. LECTURE AND DISCUSSION MEET ON AN ALTERNATING SCHEDULE ANNOUNCED IN FIRST DAY OF LECTURE. SECTION 7 IS A CROSS-CULTURAL SECTION. U.S. STUDENTS ONLY. MEETS JOINTLY WITH SECTION 6.</td>
</tr>
<tr>
<td>8643045</td>
<td>8</td>
<td>MTWF 9:50-12:00</td>
<td>MEETS: MAY 19-JUNE 13</td>
<td>Note: ON MAY 19 ATTEND ONLY THE LECTURE. LECTURE IS THE SECOND MEETING TIME AND LOCATION LISTED ON SCHEDULE. LECTURE AND DISCUSSION MEET ON AN ALTERNATING SCHEDULE ANNOUNCED IN FIRST DAY OF LECTURE. SECTION 8 IS A CROSS-CULTURAL SECTION. INTERNATIONAL STUDENTS ONLY. MEETS WITH SECTION 7.</td>
</tr>
<tr>
<td>8643065</td>
<td>9</td>
<td>MTWF 7:30-9:40</td>
<td>MEETS: MAY 19-JUNE 13</td>
<td>Note: ON MAY 19 ATTEND ONLY THE 9:50 A.M. LECTURE. LECTURE AND DISCUSSION MEET ON AN ALTERNATING SCHEDULE TO BE ANNOUNCED IN FIRST LECTURE. CLASS MEETS 2 HOURS, 10 MINUTES EACH DAY. SECTION 9 IS A CROSS-CULTURAL SECTION. U.S. STUDENTS ONLY. MEETS JOINTLY WITH SECTION 10.</td>
</tr>
<tr>
<td>8643070</td>
<td>10</td>
<td>MTWF 7:30-9:40</td>
<td>MEETS: MAY 19-JUNE 13</td>
<td>Note: ON MAY 19 ATTEND ONLY THE 9:50 A.M. LECTURE. LECTURE AND DISCUSSION MEET ON AN ALTERNATING SCHEDULE TO BE ANNOUNCED IN FIRST LECTURE. CLASS MEETS 2 HOURS, 10 MINUTES EACH DAY. SECTION 10 IS A CROSS-CULTURAL SECTION. INTERNATIONAL STUDENTS ONLY. MEETS WITH SECTION 9.</td>
</tr>
<tr>
<td>8643075</td>
<td>11</td>
<td>MTWF 7:30-9:30</td>
<td>MEETS: JUNE 16-AUG 8</td>
<td>Section info: <a href="http://www.public.iastate.edu/~aslagell/spcm212/index.html">http://www.public.iastate.edu/~aslagell/spcm212/index.html</a></td>
</tr>
</tbody>
</table>

SPECIAL PROJECTS

SP CM 290 1-2 CREDITS
Prereq: 3 CR IN SP CM, PERMISSION OF DEPT CHAIR
Note: NO CREDITS IN SP CM 290 MAY BE APPLIED TOWARD THE MINOR. NO CREDITS IN SP CM 290 MAY BE APPLIED TOWARD THE MAJOR.

COMMUNIC INTERNSHIP

SP CM 499 1-3 CREDITS
Prereq: 18 CR IN SP CM COURSES. OTHER COURSES ADVISER DEEMS APPROPRIATE; 2ND SEMESTER JR OR SR STANDING; CUM GPA OF AT LEAST 2.5 OVERALL & 3.0 IN SP CM; PERMISSION OF THE INTERNSHIP COMMITTEE
Note: NO CREDITS IN SP CM 499 MAY BE APPLIED TOWARD THE MINIMUM REQUIRED CREDITS FOR THE MAJOR. NO CREDITS IN SP CM 499 MAY BE APPLIED TOWARD THE MINOR.

STATISTICS

PRIN OF STATISTICS

STAT 101 4 CREDITS
Prereq: ONE AND A HALF YRS OF H S ALGEBRA

INTR TO STATISTICS

STAT 104 3 CREDITS
Prereq: 1 & 1/2 YRS OF H S ALGEBRA
Note: CREDIT FOR ONLY ONE OF THE FOLLOWING MAY BE APPLIED TOWARD GRADUATION: STAT 101, STAT 104, STAT 201, STAT 202, STAT 305. RESTRICTED TO A BE, A E, AE EM, AE E, C C E, C E, CCE E, CH E, CM S, CON E, CPR E, E CPE, E E, ENGR, ENGRS, I E, IMSE, M E, M S E, MAT E, NTDOR, P CS, SYS E MAJORS ONLY.
6503005 A MF 8:40-9:40 TP 10:20-11:30 MEETS: MAY 19-JULY 11

INTRO 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. CREDIT FOR ONLY ONE OF THE FOLLOWING MAY BE APPLIED TOWARD GRADUATION: STAT 101, STAT 104, STAT 105, STAT 201, STAT 226. RESTRICTED TO A B E, A E, AE EM, AE E, C C E, C E, CCE E, CH E, CM S, CON E, CPR E, E CPE, E E, ENGR, ENGRS, I E, IMSE, M E, M S E, MAT E, NTDOR, P CS, SYS E MAJORS ONLY.
6504005 MTWRF 8:40-9:40 MEETS: MAY 19-JULY 11

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 MTWF 9:50-10:50 MEETS: MAY 19-JULY 11

INSTR BUSINES STAT II

STAT 226 3 CREDITS
Prereq: MATH 150 OR MATH 166
Note: CREDIT FOR EITHER STAT 105 OR STAT 305, BUT NOT BOTH, MAY BE APPLIED TOWARD GRADUATION
6511005 A MTWF 8:40-9:40 TP 8:40-10:40 MEETS: MAY 19-JULY 11

Probabil & Stats Com Sci

STAT 330 3 CREDITS
Prereq: MATH 166
Note: Available for nonmajor graduate credit
7372005 A MTWF 9:50-10:50 MEETS: MAY 19-JULY 11
BUSINESS MEETS: MAY 19-JUNE 13
6790010  A2 MTWRF 2:30-4:30
UNDERGRAD MAJORS
BUSEC, FIN, LSCM, MGMT, MIS, MKT, OSCM, SCM
Note: SECTION A1 RESTRICTED TO ACCT, BUS S, BUS U,
MEETS: MAY 19-JUNE 13
6790005  A1 MTWRF 2:30-4:30
Note: GRADUATE STUDENTS GO TO 1200 GERDIN TO ENROLL

DECISION TOOLS LOG&OP SCM 460 3 CREDITS
Prereq: BUS, SCIS, SCM I R, I TEC, INFAS, LOMIS, LSCM, MGMT, MIS, MKT, OSCM, P BUS, SCIS, SCM

SUPPLY CHAIN MANAGEMENT
SUPPORT CHAIN MGMT SCM 301 3 CREDITS
Prereq: ECOM 101, STAT 226
1629005  A1 MTWRF 2:30-4:30
MEETS: MAY 19-JUNE 13
Note: SECTION A2 RESTRICTED TO COLLEGES OTHER THAN BUSINESS

SUPPLY CHAIN MANAGEMENT (CONTINUED)
INDEPENDENT STUDY SCM 490 1-3 CREDITS
Prereq: SCM 301, SENIOR CLASSIFICATION, INSTRUCTOR PERMISSION
Note: COURSE NOT OPEN TO P BUS MAJORS
Department permission required.

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

RESEARCH PRACTICUM I SCM 650 1 CREDIT
Prereq: ENROLLMENT IN THE PH D PROGRAM
8057005  A ARRANGED
MEETS: MAY 19-AUG 8

RESEARCH PRACTICUM II SCM 651 1 CREDIT
Prereq: ENROLLMENT IN THE PH D PROGRAM
8058005  A ARRANGED
MEETS: MAY 19-AUG 8

SUSTAINABLE AGRICULTURE
SPECIAL TOPICS SUSAG 590 1-3 CREDITS
Note: SEE DEPT FOR REFERENCE NUMBERS

TECHNOLOGY & SOCIAL CHANGE
INDEPENDENT STUDY T SC 490 VAR. CREDITS
Prereq: T SC 341, PERMISSION OF INSTRUCTOR & T SC COORDINATOR
Note: Permission of coordinator required.

COOPERATIVE EDUCATN T SC 598 R CREDIT
Prereq: PERMISSION OF THE DEPARTMENT CHAIR
4153005  A ARRANGED
MEETS: MAY 19-AUG 8
Note: Permission of department chair required.

INDEPENDENT STUDY HONS T SC 490H VAR. CREDITS
Prereq: JUNIOR OR SENIOR CLASSIFICATION, INSTRUCTOR PERMISSION, COMPLETION OF INDEPENDENT STUDY CONTRACT AND APPROVAL BY DEPARTMENT
Note: NO MORE THAN 4 CREDITS OF T SC 399 MAY BE APPLIED TOWARD THE TOTAL CREDITS REQUIRED FOR GRADUATION

INDEPENDENT STUDY T SC 490H VAR. CREDITS
Prereq: T SC 341, PERMISSION OF INSTRUCTOR & T SC COORDINATOR
Note: Permission of coordinator required.

TECHNOLOGY SYSTEMS MANAGEMENT
TECHNOLOGY INTERNSHP TSM 397 R CREDIT
Prereq: AT LEAST 45 CREDITS OF COURSEWORK, IN AST OR I TEC MAJOR, INTERNSHIP COORDINATOR APPROVAL
Satisfactory-Fail Only.

INDEPENDENT STUDY HONS TSM 490H VAR. CREDITS
Prereq: TSM 397 AND APPROVAL OF INTERNSHIP COORDINATOR
Note: NO MORE THAN 4 CREDITS OF TSM 399 MAY BE APPLIED TOWARD THE TOTAL OF 128 CREDITS REQUIRED FOR GRADUATION

INDEPENDENT STUDY TSM 490H VAR. CREDITS
Prereq: TSM 397 AND APPROVAL OF INTERNSHIP COORDINATOR
Note: NO MORE THAN 4 CREDITS OF TSM 399 MAY BE APPLIED TOWARD THE TOTAL CREDITS REQUIRED FOR GRADUATION

INDEPENDENT STUDY TSM 490VAR. CREDITS
Prereq: TSM 397 AND APPROVAL OF INTERNSHIP COORDINATOR
Note: NO MORE THAN 4 CREDITS OF TSM 399 MAY BE APPLIED TOWARD THE TOTAL CREDITS REQUIRED FOR GRADUATION

INDEPENDENT STUDY TSM 490VAR. CREDITS
Prereq: TSM 397 AND APPROVAL OF INTERNSHIP COORDINATOR
Note: NO MORE THAN 4 CREDITS OF TSM 399 MAY BE APPLIED TOWARD THE TOTAL CREDITS REQUIRED FOR GRADUATION

INDEPENDENT STUDY TSM 490VAR. CREDITS
Prereq: TSM 397 AND APPROVAL OF INTERNSHIP COORDINATOR
Note: NO MORE THAN 4 CREDITS OF TSM 399 MAY BE APPLIED TOWARD THE TOTAL CREDITS REQUIRED FOR GRADUATION

INDEPENDENT STUDY TSM 490VAR. CREDITS
Prereq: TSM 397 AND APPROVAL OF INTERNSHIP COORDINATOR
Note: NO MORE THAN 4 CREDITS OF TSM 399 MAY BE APPLIED TOWARD THE TOTAL CREDITS REQUIRED FOR GRADUATION

INDEPENDENT STUDY TSM 490VAR. CREDITS
Prereq: TSM 397 AND APPROVAL OF INTERNSHIP COORDINATOR
Note: NO MORE THAN 4 CREDITS OF TSM 399 MAY BE APPLIED TOWARD THE TOTAL CREDITS REQUIRED FOR GRADUATION

INDEPENDENT STUDY TSM 490VAR. CREDITS
Prereq: TSM 397 AND APPROVAL OF INTERNSHIP COORDINATOR
Note: NO MORE THAN 4 CREDITS OF TSM 399 MAY BE APPLIED TOWARD THE TOTAL CREDITS REQUIRED FOR GRADUATION

INDEPENDENT STUDY TSM 490VAR. CREDITS
Prereq: TSM 397 AND APPROVAL OF INTERNSHIP COORDINATOR
Note: NO MORE THAN 4 CREDITS OF TSM 399 MAY BE APPLIED TOWARD THE TOTAL CREDITS REQUIRED FOR GRADUATION

INDEPENDENT STUDY TSM 490VAR. CREDITS
Prereq: TSM 397 AND APPROVAL OF INTERNSHIP COORDINATOR
Note: NO MORE THAN 4 CREDITS OF TSM 399 MAY BE APPLIED TOWARD THE TOTAL CREDITS REQUIRED FOR GRADUATION

IND STUDY MANUFACTRG TSM 490I 1-4 CREDITS
Prereq: JUNIOR OR SENIOR CLASSIFICATION, 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

IND STUDY BIOSYS MGT TSM 490J 1-4 CREDITS
Prereq: JUNIOR OR SENIOR CLASSIFICATION, 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

78
IND STU 490M 1-4 CREDITS
Prereq: JUNIOR OR SENIOR CLASSIF, INSTRUCTOR
PERMISSION, COMPLETION OF INDEPENDENT STUDY CONTRACT AND APPROVAL BY DEPARTMENT.
Note: NO MORE THAN 4 CREDITS OF TSM 490 MAY BE USED TOWARD THE TOTAL OF 128 CREDITS REQ'D FOR GRADUATION.
Department permission required.

IND STU OCCUP SAFETY TSM 490Q 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 REQ'D FOR GRADUATION.
Department permission required.

WKSHOP OCCUPA SAFETY TSM 493D 1-4 CREDITS
Satisfactory-Fail Only.

SPL TOP MANUFACTR TSM 590C 1-4 CREDITS
Prereq: GRAD CLASSIFICATION IN INDUSTRIAL AND AG TECHNOLOGY, INSTRUCTOR PERMISSION, COMPLETION OF AN INDEPENDENT STUDY CONTRACT APPROVED BY MAJOR PROF

SPL TOP OCCUP SAFETY TSM 590D 1-4 CREDITS
Prereq: GRAD CLASSIFICATION IN INDUSTRIAL AND AG TECHNOLOGY, INSTRUCTOR PERMISSION, COMPLETION OF AN INDEPENDENT STUDY CONTRACT APPROVED BY MAJOR PROF

MASTER'S TECH COMM TSM 598 3 CREDITS
Satisfactory-Fail Only. 1911005 ARRANGED;
MEETS: MAY 19-AUG 8

CREATIVE COMPONENT TSM 599 1-3 CREDITS

CURRIC DEV TEC&ENGR TSM 657 3 CREDITS
Prereq: PERMISSION OF INSTRUCTOR 4588005 ARRANGED;
MEETS: MAY 19-AUG 8

TECHNOLOGY INTERNSHIP TSM 697 R CREDIT
Prereq: PERMISSION OF MAJOR PROFESSOR AND APPROVAL BY DEPARTMENT CHAIR, GRAD CLASSIFICATION Satisfactory-Fail Only. 4646005 ARRANGED;
MEETS: MAY 19-AUG 8

DOCTORAL TECH COMM TSM 698 1 CREDIT
Satisfactory-Fail Only. 1926005 ARRANGED;
MEETS: MAY 19-AUG 8

RESEARCH TSM 699 1-6 CREDITS

SPECIAL TOPICS TSM 590 1-4 CREDITS
Prereq: APPROVED WRITTEN PROPOSAL

SPECIAL TOPICS TSM 590 1-4 CREDITS
Prereq: PERMISSION OF INSTRUCTOR
Note: Department of the Associate Provost

SPECIAL TOPICS TSM 590 1-4 CREDITS
Prereq: PERMISSION OF INSTRUCTOR
Note: Department of the Associate Provost

THEATRE INTERNSHIP THTRE 499 1-8 CREDITS
Prereq: 18 CR IN THEATRE, OTHER COURSES DEEMED APPROPRIATE BY FACULTY ADVISER; 2ND SEMESTER JUNIOR OR SENIOR STANDING; CUM GPA OF AT LEAST 2.50 OVERALL AND 3.00 IN THTRE COURSE

SPECIAL TOPICS THTRE 590 1-4 CREDITS
Prereq: APPROVED WRITTEN PROPOSAL

TOXICOLOGY SEMINAR TOX 504 1 CREDIT
Prereq: PERMISSION OF INSTRUCTOR 7126005 1 ARRANGED;
MEETS: MAY 19-AUG 8

CLIN & DIAGNOS TOXIC TOX 546 1-3 CREDITS
Prereq: D.V.N. DEGREE OR VDPAM 526 1231005 ARRANGED;
MEETS: MAY 19-AUG 8

SPECIAL TOPICS TOX 590 VAR. CREDITS

RESEARCH TOX 699 VAR. CREDITS

TRANSPORTATION

INDEPENDENT STUDY U ST 490 VAR. CREDITS
Prereq: PERMISSION OF THE ASSOCIATE PROVOST
Note: Department of the Associate Provost

VET DIAGNOSTIC & PRODUCTION AN MED

PRD MD CATTLE MARKTG VDPAM 422A 2 CREDITS
Prereq: VDPAM 310; ABILITY TO PROVIDE OWN TRANSPORTATION TO EACH SITE 4577005 ARRANGED;
MEETS: MAY 19-AUG 8

PRD M ED BEEF FEEDLT VDPAM 422C 2 CREDITS
Prereq: VDPAM 310; ABILITY TO PROVIDE OWN TRANSPORTATION TO EACH SITE 4578005 ARRANGED;
MEETS: MAY 19-AUG 8

DAIRY HERD PROBL ID VDPAM 437 2 CREDITS
Prereq: 4TH-YEAR CLASSIFICATION IN VETERINARY MEDICINE 6425005 ARRANGED

MUSTIS PROB INVESTG VDPAM 438 2 CREDITS
Prereq: 4TH-YEAR CLASSIFICATION IN VETERINARY MEDICINE 6861005 ARRANGED

COWS/CALF PROB: NUTRI VDPAM 439 2 CREDITS
Prereq: 4TH-YEAR CLASSIFICATION IN VETERINARY MEDICINE 6422005 ARRANGED

CLIN EMBRYO TRANSFR VDPAM 451 2 CREDITS
Prereq: FOURTH-YEAR CLASSIFICATION IN VETERINARY MEDICINE 4334005 ARRANGED

FD AN & CAM FIELD SRV VDPAM 476 2 CREDITS
Prereq: VDPAM 310; FOURTH-YEAR CLASSIFICATION IN VETERINARY MEDICINE 8725005 MTRWFS 8:00-12:00; MTRWF 1:00-5:00
VETERINARY CLINICAL SCIENCES

ONCOLOGY V C S 409 2-4 CREDITS
Pre req: FOURTH-YEAR CLASSIFICATION IN VET MED
Note: Permission of instructor required. Process approved add slip in 2270A Vet Med.
9213005 MTWRF 8:00-5:00

PRECEPTOR COMPAN/EQ V C S 419 2-6 CREDITS
Pre req: FOURTH-YEAR CLASSIFICATION IN V MED, PERMISSION OF DEPARTMENT CURRICULUM COMMITTEE
1664005 ARRANGED

PRACTICUM V C S 420X 1 CREDIT
Pre req: FOURTH-YEAR CLASSIFICATION IN V MED
Satisfactory-Fail Only.
6177005 MTWRF 8:00-5:00

BLANK PK ZOO ROTATN V C S 422 4 CREDITS
Pre req: V C S 405, FOURTH-YEAR CLASSIFICATION IN V MED, PERMISSION OF INSTRUCTOR
1166005 ARRANGED

SM ANI M SHELTER MED V C S 437 2 CREDITS
Pre req: FOURTH-YEAR CLASSIFICATION IN VET MED
7944005 MTWRF 8:00-5:00

CANE N REHABILITATN V C S 441 2 CREDITS
Pre req: Course Restricted To 4th Year Vet Med Students
9232005 MTWRF 8:00-5:00

CLINICAL NEUROLOGY V C S 446 2 CREDITS
Pre req: FOURTH-YEAR CLASSIFICATION IN VET MED
5112005 MTWRF 8:00-5:00

CLINICAL DERMATOLOGY V C S 452 2 CREDITS
Pre req: FOURTH-YEAR CLASSIFICATION IN VETERINARY MEDICINE. MUST HAVE INSTRUCTOR PERMISSION TO REPEAT
Note: Course Restricted To 4th Year Vet Med Students
1939005 MTWRF 8:00-5:00

SM ALL ANIMAL MED I V C S 453 2 CREDITS
Pre req: FOURTH-YEAR CLASSIFICATION IN VET MED
6889005 MTWRFS 8:00-5:00

SM ALL ANIMAL MED II V C S 454 2 CREDITS
Pre req: FOURTH-YEAR CLASSIFICATION IN VET MED
6890005 MTWRFS 8:00-5:00

SM AN SOFT TISS SUR V C S 455 2 CREDITS
Pre req: FOURTH-YEAR CLASSIFICATION IN VET MED
6891005 MTWRFS 8:00-5:00

SM AN ORTHOPED SURG V C S 456 2 CREDITS
Pre req: FOURTH-YEAR CLASSIFICATION IN VET MED
6892005 MTWRFS 8:00-5:00

SM AN SOFT TISS SUR V C S 457 2 CREDITS
Pre req: FOURTH-YEAR CLASSIFICATION IN VET MED
6893005 MTWRFS 8:00-5:00

SM AN SOFT TISS SUR V C S 458 2 CREDITS
Pre req: FOURTH-YEAR CLASSIFICATION IN VET MED
6894005 MTWRFS 8:00-5:00

SM AN OVERPOP OMAHA V C S 459A 2 CREDITS
Pre req: FOURTH-YEAR CLASSIFICATION IN VET MED
4050005 MTWRF 8:00-5:00

SM AN OVERPOP OMAHA V C S 459B 2 CREDITS
Pre req: FOURTH-YEAR CLASSIFICATION IN VET MED
4107005 MTWR 8:00-5:00

SM AN OVERPOP OMAHA V C S 459C 2 CREDITS
Pre req: FOURTH-YEAR CLASSIFICATION IN VET MED
4313015 ARRANGED

RADIOLOGY V C S 460 2 CREDITS
Pre req: FOURTH-YEAR CLASSIFICATION IN VET MED
6896005 MTWRF 8:00-5:00

PRIMARY CARE V C S 463 2 CREDITS
Pre req: FOURTH-YEAR CLASSIFICATION IN VET MED
2322005 MTWRFS 8:00-5:00

EQUINE FIELD SERVIC V C S 464 2 CREDITS
Pre req: FOURTH-YEAR CLASSIFICATION IN VET MED
4247005 MTWRF 8:00-5:00

FARRIER V C S 465 2 CREDITS
Pre req: FOURTH-YEAR CLASSIFICATION IN VET MED, 457, 458
Note: Course Restricted To 4th Year Vet Med Students
7756005

VET ANESTHESIOLOGY V C S 466 2 CREDITS
Pre req: FOURTH-YEAR CLASSIFICATION IN VET MED
6898005 MTWRFS 8:00-5:00

INTENSIVE CARE V C S 467 4 CREDITS
Pre req: FOURTH-YEAR CLASSIFICATION IN VET MED
Note: Course Restricted To 4th Year Vet Med Students
1886005 ARRANGED

OPHTHALMOLOGY V C S 469 2 CREDITS
Pre req: FOURTH-YEAR CLASSIFICATION IN VET MED
Note: Course Restricted To 4th Year Vet Med Students
6901005 MTWRFS 8:00-5:00
VETERINARY CLINICAL SCIENCES  (CONTINUED)

RADIOTHERAPY  V C S 470  2 CREDITS
Prereq: FOURTH-YEAR CLASSIFICATION IN VET MED.
Note: Permission of instructor required. Process approved add slip in 2270A Vet Med.
*******  SEE DEPT FOR REFERENCE NUMBERS

COMPANY ANIM REPROD  V C S 471C  2 CREDITS
Prereq: FOURTH-YEAR CLASSIFICATION IN VET MED
*******  SEE DEPT FOR REFERENCE NUMBERS

EQUINE REPRODUCTION  V C S 471E  VAR. CREDITS
Prereq: COURSE ONLY OFFERED FOR 1-2 CREDITS SUMMER 2014
*******  SEE DEPT FOR REFERENCE NUMBERS

FOOD ANIM REPRODUCTION  V C S 471F  VAR. CREDITS
Note: COURSE ONLY OFFERED FOR 2 CREDITS SUMMER 2014
*******  SEE DEPT FOR REFERENCE NUMBERS

SML ANIM REPRODUCTN  V C S 471S  VAR. CREDITS
Prereq: FOURTH-YEAR CLASSIFICATION IN VET MED
Note: COURSE ONLY OFFERED FOR 2 CREDITS SUMMER 2014
*******  SEE DEPT FOR REFERENCE NUMBERS

SML ANIM SURG ORTHO  V C S 473O  1 CREDIT
*******  SEE DEPT FOR REFERENCE NUMBERS

SML ANIM SURG ORTHO  V C S 473O  1 CREDIT
*******  SEE DEPT FOR REFERENCE NUMBERS

VET CARDIOLOGY ROTATION  V C S 475  1-2 CREDITS
Prereq: FOURTH-YEAR CLASSIFICATION IN VET MED
Note: Department permission required.
9128005  ARRANGED

EQUINE ANESTHESIOLOGY  V C S 476E  1-2 CREDITS
Prereq: FOURTH-YEAR CLASSIFICATION IN VET MED
Note: COURSE ONLY OFFERED FOR 2 CREDITS SUMMER 2014
Permission of instructor required. Process approved add slip in 2270A Vet Med.
*******  SEE DEPT FOR REFERENCE NUMBERS

SM ANIML ANESTHESIO  V C S 476S  1-2 CREDITS
Prereq: FOURTH-YEAR CLASSIFICATION IN VET MED
Note: COURSE ONLY OFFERED FOR 2 CREDITS SUMMER 2014
Permission of instructor required. Process approved add slip in 2270A Vet Med.
*******  SEE DEPT FOR REFERENCE NUMBERS

INDEPENDENT STUDY  V C S 490  VAR. CREDITS
*******  SEE DEPT FOR REFERENCE NUMBERS

INT’L PRECEPTORSHIP  V C S 496  1-12 CREDITS
Prereq: SECOND-YEAR CLASSIFICATION IN VET MED
Note: Permission of instructor & DEPT CHAIR
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

SPL TOPICS SURGERY  V C S 590B  1-3 CREDITS
Prereq: PERMISSION OF INSTRUCTOR
Note: Instructor permission required.
*******  SEE DEPT FOR REFERENCE NUMBERS

SPL TOP RADIOLNOLOGY  V C S 590D  1-3 CREDITS
Prereq: PERMISSION OF INSTRUCTOR
Note: Instructor permission required.
*******  SEE DEPT FOR REFERENCE NUMBERS

SPL TOP ANESTHESIOLOGY  V C S 590E  1-3 CREDITS
Prereq: PERMISSION OF INSTRUCTOR
Note: Instructor permission required.
*******  SEE DEPT FOR REFERENCE NUMBERS

SPL TOP OPTHALMOLOGY  V C S 590F  1-3 CREDITS
Prereq: PERMISSION OF INSTRUCTOR
Note: Instructor permission required.
*******  SEE DEPT FOR REFERENCE NUMBERS

CREATIVE COMPONENT  V C S 599  VAR. CREDITS
Prereq: ENROLLMENT IN NONTHESIS MASTERS PROGRAM
6920005  ARRANGED
MEETS: MAY 19-AUG 8

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

RESEARCH ANESTHESIOLOGY  V C S 699E  VAR. CREDITS
*******  SEE DEPT FOR REFERENCE NUMBERS

VETERINARY MICROBIOLOGY & PREV MED

PUBLIC HEALTH LAB  V PTH 486  2 CREDITS
Prereq: FOURTH-YEAR CLASSIFICATION IN VET MED
6951005  MTWRF 8:00-12:00
MTWRF 2:00-5:00

INDEPENDENT STUDY  V PTH 490  VAR. CREDITS
Prereq: PERMISSION OF INSTRUCTOR AND DEPT CHAIR
Note: COURSE ONLY OFFERED FOR 1-5 CREDITS SUMMER 2014
Permission of instructor required. Process approved add slip in 2270A Vet Med.
*******  SEE DEPT FOR REFERENCE NUMBERS

ZOO PRECEPTORSHIP  V PTH 494  1-8 CREDITS
Prereq: FOURTH YEAR CLASSIFICATION IN VET MED
*******  SEE DEPT FOR REFERENCE NUMBERS

INT’L PRECEPTORSHIP  V PTH 496  1-12 CREDITS
Prereq: FOURTH-YEAR CLASSIFICATION IN VET MED
4332805  TH ARRANGED
PLATT K
MEETS: MAY 11-25
Note: SEC TH TAUGHT IN THAILAND, THAILAND
VETERINARY STUDY ABROAD SUMMER 2014 OFFERED FOR 3 CREDITS.
Study Abroad Administrative Fee Applies

INT’L PRECEPTORSHIP  V PTH 496  1-12 CREDITS
Prereq: FOURTH-YEAR CLASSIFICATION IN VET MED
4332800  AT ARRANGED
THORN C
MEETS: JUNE 5-20
Note: SEC EC TAUHGT IN SOUTH AFRICA, WILDLIFE
IMMOBILIZATION & CONSERVATION IN SOUTH AFRICA.
STUDY ABROAD SUMMER 2014 OFFERED FOR 3 CREDITS.
Study Abroad Administrative Fee Applies

SPECIAL TOPICS  V PTH 590  1-5 CREDITS
Prereq: PERMISSION OF INSTRUCTOR
Note: Instructor permission required.
*******  SEE DEPT FOR REFERENCE NUMBERS

CREATIVE COMPONENT  V PTH 599  VAR. CREDITS
7307005  ARRANGED
MEETS: MAY 19-AUG 8

RESEARCH  V PTH 699  VAR. CREDITS
*******  SEE DEPT FOR REFERENCE NUMBERS

VETERINARY PATHOLOGY

NECROPSY LAB PRACTM  V PTH 456  1 CREDIT
Prereq: FOURTH-YEAR CLASSIFICATION IN VET MED
Note: COURSE RESTRICTED TO 4TH YEAR VET MED STUDENTS
7007005  MTWRF 1:10-5:00
WHELLEY E
S 10:00-11:50
WHELLEY E

CLIN PATH LAB PRACT  V PTH 457  1 CREDIT
Prereq: FOURTH-YEAR CLASSIFICATION IN VET MED
Note: COURSE RESTRICTED TO 4TH YEAR VET MED STUDENTS
7008005  MTWRF 8:00-11:50
FLANETY H

INDEPENDENT STUDY  V PTH 490  VAR. CREDITS
Prereq: PERMISSION OF INSTRUCTOR
Note: Permission of instructor required. Process approved add slip in 2270A Vet Med.
*******  SEE DEPT FOR REFERENCE NUMBERS

INT’L PRECEPTORSHIP  V PTH 496  1-12 CREDITS
Prereq: SECOND-YEAR CLASSIFICATION IN VET MED
7843800  EC ARRANGED
ANDREASEN C
MEETS: MAY 28-JUNE 7
Note: SEC EC TAUGHT ON ECUADOR, VETERINARY
MEDICINE IN ECUADOR, THE GALAPAGOS ISLANDS.
STUDY ABROAD SUMMER 2014 OFFERED FOR 3 CREDITS.
TRAVEL MAY 28-JUNE 7
Study Abroad Administrative Fee Applies

7843805  EC ARRANGED
ANDREASEN C
MEETS: AUG 5-16
Note: SEC E1 TAUGHT ON ECUADOR, VETERINARY
MEDICINE IN ECUADOR, THE GALAPAGOS ISLANDS.
STUDY ABROAD SUMMER 2014 OFFERED FOR 3 CREDITS.
TRAVEL AUG 5-16
Study Abroad Administrative Fee Applies

7843810  GT ARRANGED
DAGDSON K
MEETS: JULY 8-19
Note: SEC GT TAUGHT IN GUATEMALA, PETEN, WILDLIFE
REHABILITATION IN GUATEMALA.
STUDY ABROAD SUMMER 2014 OFFERED FOR 4 CREDITS.
Study Abroad Administrative Fee Applies

RESEARCH  V PTH 699  VAR. CREDITS
*******  SEE DEPT FOR REFERENCE NUMBERS
VETERINARY PATHOLOGY (CONTINUED)

CLIN PATHOLOGY LAB V PTH 549 1 CREDIT
Prereq: 457, PERMISSION OF INSTRUCTOR
Satisfactory-Fail Only.
7037005 ARRANGED FLAHERTY H
MEETS: MAY 19-AUG 8
Note: Instructor permission required.

SURGICAL PATHOL LAB V PTH 550 1-3 CREDITS
Prereq: 570 OR 571, PERMISSION OF INSTRUCTOR
Note: Instructor permission required.
Satisfactory-Fail Only.
7479005 ARRANGED HAYNES J
MEETS: MAY 19-AUG 8
Note: Instructor permission required.

POSTMORT PATHOL LAB V PTH 551 1-3 CREDITS
Prereq: 542, PERMISSION OF INSTRUCTOR
Note: Instructor permission required.
Satisfactory-Fail Only.
7038005 MTWRF 1:10-5:00 FALES-WILLIAMS A
S 10:00-11:50 FALES-WILLIAMS A
MEETS: MAY 19-AUG 8

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

HISTOPATH LAB ANIML V PTH 679 2 CREDITS
Prereq: 570 OR 571, PERMISSION OF INSTRUCTOR
7048005 MW 9:00-11:50 SMITH J
MEETS: MAY 19-JULY 11

WOMEN’S STUDIES

GENDER & COMMUNICTN W S 323 3 CREDITS
Note: Meets U.S. diversity reqmt
Available for nonmajor graduate credit
3533005 A MTWRF 12:10-2:20
MEETS: MAY 19-JUNE 13
3533010 B MTWRF 9:50-12:00
MEETS: JUNE 16-JULY 11

SEX & GENDER IN SOCIE W S 327 3 CREDITS
Prereq: SOC 130 OR 134
Note: Meets U.S. diversity reqmt
7061005 A MTWRF 12:10-2:10
MEETS: MAY 19-JUNE 13
7061010 B MTWRF 9:50-11:50
MEETS: JUNE 16-JULY 11

INDEPENDENT STUDY W S 490 1-3 CREDITS
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
******* SEE DEPT FOR REFERENCE NUMBERS

SENIOR INTERNSHIP W S 491 3 CREDITS
Prereq: SENIOR CLASSIFICATION
4097005 ARRANGED
MEETS: MAY 19-AUG 8
Note: Department permission required.

SENIOR THESIS W S 499 3 CREDITS
Prereq: SENIOR CLASSIFICATION
******* SEE DEPT FOR REFERENCE NUMBERS

SPECIAL TOPICS W S 590 VAR. CREDITS
Prereq: PERMISSION OF WOMEN’S STUDIES PROG DIRECTOR
Note: Department permission required 1st week.
******* SEE DEPT FOR REFERENCE NUMBERS

WORLD LANGUAGES AND CULTURES

AMER SIGN LANGUAG I WLC 105X 4 CREDITS
6629005 MTWRF 8:40-11:40
MEETS: JUNE 16-JULY 11
Note: Materials and equipment use fee $25.00

AMER SIGN LANGUA II WLC 106X 4 CREDITS
9548005 MTWRF 8:40-11:40
MEETS: JULY 14-AUG 8
Note: Materials and equipment use fee $25.00