Summer Session 2013

Session I  May 20 - July 12
Session II  June 17 - August 9
University Holidays  May 27
                  July 4

Registration Start Dates for Summer 2013
Veterinary Medicine students:  Monday, March 25
Graduate students:  Monday, March 25 - Wednesday, March 27
All seniors:  Tuesday, March 26 - Monday, April 1
Projected juniors:  Tuesday, April 2 - Monday, April 8
Projected sophomores:  Tuesday, April 9 - Monday, April 15
Continuing freshmen:  Tuesday, April 16 - Wednesday, April 24

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.

**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 to 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 2013 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 2013, 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. Course 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 29. To find a map of room locations on campus go to the ISU index under Classroom abbreviations.

**Schedule Changes**

You can drop summer session I courses using AccessPlus Registration through Friday, May 24. You can add summer session I courses using AccessPlus Registration through Wednesday, May 22. 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 2013

May 19, Sun. • Last day to cancel registration for summer to avoid tuition assessment.
May 20, Mon. • Class work begins, Session I courses.
May 20, Mon. • Fee payment deadline for summer semester. First payment (minimum due) or payment in full.
May 22, Wed. • Last day to add a Session I course without instructor's signature.
May 24, Fri. • Last day to process add or section changes for a Session I course through AccessPlus registration.
June 20, Wed. • Last day to process all schedule changes for a Session II course through AccessPlus registration.
June 22, Fri. • Last day to add or drop a Session I course without signatures of instructor and adviser.
June 24, Sun. • Last day to drop a Session I course without the drop appearing on the permanent record or counting toward the limit of dropped courses.
June 24, Sun. • Last day to drop a Session II course from audit to credit basis.
June 25, Mon. • Last day to change a Session I course to from Pass/Not Pass to grade without instructor’s signature. (Repeat Course form for a summer course that is not an automatic repeat course.
June 30, Sat. • Last day to change a Session II course to from Pass/Not Pass to grade without instructor’s signature.
July 2, Wed. • Last day to change a Session I course from audit to credit basis.
July 3, Thu. • Last day to elect to audit a course for Session I.
July 10, Fri. • Last day to change a Session I course to from Pass/Not Pass to grade with instructor’s signature without the drop appearing on the permanent record.
July 10, Fri. • Last day to change a Session II course to from Pass/Not Pass to grade with instructor’s signature.
July 10, Fri. • Last day to change a Session II course to from Pass/Not Pass to grade without the drop appearing on the permanent record.
July 10, Fri. • Last day to change a Session I course to from Pass/Not Pass to grade with instructor’s signature.
July 10, Fri. • Last day to change a Session II course to from Pass/Not Pass to grade with instructor’s signature.

Resources

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

College Student Services Offices
Agriculture and Life Sciences ................................................................. 23 Curtis ................................................................. 294-8653
Business ......................................................................................... 1200 Gerдин ................................................................. 294-8430
Design ......................................................................................... 297 College of Design ................................................................. 294-6883
Engineering ......................................................................................... 110 Marston ................................................................. 294-3900
Graduate College ......................................................................................... 1137 Pearson ................................................................. 294-4531
Human Sciences ................................................................................. 0131 MacKay ................................................................. 294-6466
Liberal Arts and Sciences ........................................................................ 109 Carrie Chapman Catt Hall ................................................................. 294-1522
Veterinary Medicine ........................................................................... 2340 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 ......................................................................................... 214 Enrollment Services Center ................................................................. 294-0802
Fees & Tuition ......................................................................................... 0460 Beardshear ................................................................. 294-1889
Graduation ......................................................................................... 214 Enrollment Services Center ................................................................. 294-9372
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Registration Hold Contacts
Accounts Receivable Office ................................................................................................. 0980 Beardshear ................................................................. 294-7398
Admissions ......................................................................................... 100 Enrollment Services Center ................................................................. 294-8336
Dean of Students Office ......................................................................................... 1010 Student Services Building ................................................................. 294-1021
Graduate College ......................................................................................... 1137 Pearson ................................................................. 294-4531
International Students and Scholars ................................................................. 3248 Memorial Union ................................................................. 294-6338
Registrar Student Services ......................................................................................... 3248 Memorial Union ................................................................. 294-2331
Student Health ......................................................................................... Thomas B. Thielen Student Health Center ................................................................. 294-6801

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 Iowa State University Undergraduate and Graduate Courses and Programs catalog for specific requirements for admission located at www.catalog.iastate.edu. Applications are available through the Iowa State University home page. By clicking on ‘Apply’ under Prospective Students or by contacting the Office of Admissions, 100 Enrollment Services Center. The completed application, application fee, and all required transcripts must be received by the Office of Admissions before admission is complete. Approval for admission is necessary before a student begins the registration process.

Graduate Students

Students who have earned a bachelor’s degree and wish to pursue an advanced degree or certificate program should submit a graduate application for admission.

Nondegree Students

Students who wish to enroll for undergraduate or graduate courses, but do not intend to earn a degree from Iowa State, should submit the nondegree application for admission. Undergraduate courses taken as an undergraduate nondegree student may later be applied toward undergraduate degree requirements if approved by the student’s college. Graduate courses taken as an undergraduate nondegree student cannot 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 that 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 2 or more months must complete a reentry form. A student who has previously attended Iowa State only as a non-degree student and who now seeks to earn an undergraduate degree should complete an undergraduate application.

Reentering Students

Reentry forms are available through the ISU index under Reentering ISU or from the Office of the Registrar. 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 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 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.

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 coursework 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 visa should be directed to the Office of International Students and Scholars, 3249 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 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.

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

Returning Students

Non-international undergraduate and non-degree students, who have been away from Iowa State for less than 12 months and who were not academically dismissed, may contact the Office of the Registrar, Tuition and Fees area, at 515-294-1889 and 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.

Returning students who have been academically dismissed should contact their college student services office regarding procedures for reinstatement. Students who wish 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. Failure to view your account room and board and other university charges. View your account in late July.
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 2013 is Sunday, May 16.

Cancelling Registration
Notify the Office of the Registrar by 4 p.m. Friday, May 14, of intent to cancel registration, or drop all classes on AccessPlus by 10 p.m. Sunday, May 16, to avoid tuition assessment. For information and a cancellation form, go to the ISU index under Cancelling Registration.

RAN
The registration access number (RAN) is a confidential, personal number required by some colleges to use the registration system. Colleges that 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. 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.

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.

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

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.

AccessPlus Registration Tips
Hours for the system: Monday-Saturday, 7 a.m. - 11 p.m.
- Review your schedule for time conflicts.
- If you need to register for a course that currently has no space available, please attempt to add the course anyway Requesting a closed course will help departments determine what course demands are still unmet.
- When making a section change within a course, try to add the new section first. If the requested section is open, the previous section will automatically be dropped from your schedule.
- Entering the Registration Access Number (RAN) is no longer required once courses exist on your schedule. If you are already registered, you won’t need to enter the RAN again to change your schedule.
- If you get the message “You have requested a restricted section for which you are not eligible,” click on the Details button on the Search page to view course section restrictions.
- If you are in a learning community, you must add the learning community reference number first before other courses exist on your schedule. You cannot drop a LTM without dropping all associated courses.
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 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 of the student's college.

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

Half-semester courses and partial term courses: Specific deadlines for adding and dropping half-semester courses are published in the university calendar. Appropriate adjustments to add and drop deadlines are made for other partial term courses. To find out specific deadlines for partial term courses, go to 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 (firstmeeting 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 2013 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

<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>$3,851.50</td>
<td>$9,707.50</td>
</tr>
<tr>
<td>Agricultural Systems Technology &amp; Industrial Technology, Junior &amp; Senior</td>
<td>$4,345.50</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>$5,371.50</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: 2012-2013

- 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 - $330
- Eng 99R - $240
- Eng 99R - $240

- Intermediate (intermediate, 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. 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 in 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 (a-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 2540 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 - 888 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 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. 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 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.

Withdrawing Registration
Beginning the first day of class (Monday, May 20), 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 advisor 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 Fs, students are warned that failure to follow the prescribed withdrawal procedures may adversely affect a later application for reentry or transfer to another institution. For more information on withdrawal policies, refer to the Iowa State University Undergraduate and Graduate Courses and Programs catalog at www.catalog.iastate.edu.

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 10</td>
<td>70%</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 or drop 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 details or questions 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, 9400 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 documentation is 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 if these 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 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 $1317.80 each fall and spring semester, and all students will be charged $1539.50 for the summer semester.

Exemptions are granted for students exclusively registered for the following courses and sections (courses with sections beginning with an X); continuous registration courses, or students enrolled in 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 $50, the international application fee for undergraduates is $50 and for graduate students is $100.

Technology Fee
All students will be charged a computer technology fee each semester. Full-time undergraduate and graduate students enrolled in the College of Engineering (including Systems Engineering) or students enrolled in the College of Agricultural and Environmental 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 $135 per semester, while full-time graduate students are charged $132 per semester. All other full-time undergraduate students will be charged the standard computer fee of $1135 per semester. Full-time graduate students will be assessed $92. Engineering and Computer Science graduate students with graduate assistant appointments will be assessed $1131.50. Business graduate students on assistantship will be assessed $356. All other majors, regardless of the number of credits in the fraction of time they are on appointment will be assessed $46.

Glossary of Fees

13
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, 75 percent for courses of less than 100 percent, and 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 $80.00 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 such items as diplomas, diploma covers, data processing, personnel, and an application for graduation. The fee partially covers the cost of the Health Facility Fee.

Health Facility Fee
All students are assessed a $4 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, graduate students enrolled in GR ST 600, 601, Psych 597, 697, or high school students enrolled under the Postsecondary Enrollment Options Act. Note: The health facility fee is mandatory for all students enrolled in the Students and Scholars Health Insurance Plan including all international students on an assistantship. For students who withdraw or change to an exempt status as defined above, the tuition adjustment schedule will also be used for the health facility fee.

Health Fee (Mandatory)
All students are assessed a $49 Health Fee, except for students enrolled for credits in less or students exclusively registered for the following: distance education courses (courses with section beginning with an X); courses for which no tuition is assessed; continuous registration status courses, weekend MBA courses, Lakeside Lab or geology field camp courses, graduate students enrolled in 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. Sponsors/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 515-294-7123 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 Procedures
Graduation
Iowa State University confers degrees three time a year in December, May and at the end of the Summer Session.

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

Undergraduate Students
Applications are available from the adviser, college student services office, the Registrar's Graduation Office, 210 Enrollment Services Center, or go to the ISU index under Graduation and Commencement. The applications are due in 210 Enrollment Services Center by Friday, March 15. 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, 0331 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.

For more information, contact the Graduate College, 1137 Pearson, (515)294-4331.

Graduate Students
Specific deadlines have been set by the Graduate College for all graduate students. Failure to meet these deadlines may result in the removal of the students name from the graduation list for Summer 2013.

• An “Application for Graduation” (diploma slip) should be obtained from the students department and filed in the Graduate College by Friday, June 7.

• Last day for graduate students to cancel graduation, by June 28. All graduate students who haven’t cancelled by this date will be assessed a nonrefundable graduation fee.

• A Request for “Final Oral Examination” form should be obtained from the students department and submitted to the Graduate College at least three weeks before the final oral examination.

• Final oral examination must be taken by Friday, July 19.

• Final signed thesis/dissertation form must be submitted to the Thesis Office, 1137 Pearson, by Tuesday, July 23. 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 25.

• Signatures must be obtained on the “Graduate Student Approval Slip” by Tuesday July 23. 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)294-4331.
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>9 cr.</td>
</tr>
<tr>
<td>9-11.5 cr.</td>
<td>7-8.5 cr.</td>
</tr>
<tr>
<td>6-8.5 cr.</td>
<td>5-6.5 cr.</td>
</tr>
<tr>
<td>1.5-3 cr.</td>
<td>1-4.5 cr.</td>
</tr>
</tbody>
</table>

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

Students receiving Veterans Educational Assistance are required by the V.A. to attend class regularly to maintain their V.A. eligibility. Instructors are obligated to notify the Office of the Registrar if a student receiving V.A. benefits is not attending class. Nonfiction 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 parent(s) certain information about the University. The information disclosure policy is accessible through the ISU index under Information Disclosure for Students and Employees. Students with no electronic access to the ISU index will receive a paper copy of the information upon request.

Policy on Student Names

Iowa State University has 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; intercampus 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 release the request, notify the Office of the Registrar, 214 Enrollment Services Center. For exceptions, 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:

2. Choose Students.
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.

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 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.

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 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 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 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 student status. The instructor of the course approves the audit request.

Students are assessed fees as though they are taking the course for credit; but the audited course does not count toward 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 may approve all audits.

- Full summer sessions: Deadlines are determined based on the length of the course. For deadlines concerning partial term or summer courses, contact the Student Scheduling Office, 515-294-3331.
- Partial summer or semester courses:
  - Day 6-10: instructor, adviser, college approval required; schedule change fee applies. Exceptions to this policy are at the discretion of the instructor.

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

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

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

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

Credit Involving a Paid Activity
Students may obtain credit for an activity, either on or off campus, for which they are also paid, provided the activity is academically relevant. In order for an activity to be defined as academically relevant, prior arrangements must be made with a faculty member in an appropriate department and must include agreement on (1) the academic objectives which the activity is expected to achieve and (2) the procedure by which the student's learning will be assessed. This policy does not apply to registrations for 0 credit.

Credits Limits
For fall and spring semesters, the credit limit is 18 credits for undergraduate 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.

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 Center.

Room Assignments
Beginning Monday, April 22, students may find room assignments by viewing their schedule on AccessPlus.

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

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

Videotaping/Audiotaping Classes
Courses may be videotaped for various reasons, including distance learning. Instructors may audiotape courses for personal reasons. Audiotapes may be made to accommodate a student's disability. Students shall not record and/or reproduce such audiotapes without the instructor's permission.
The Iowa Lakeside Laboratory is a field station located on approximately 140 acres of restored prairie, woodland, and gallery forest on the shore of West Okoboji Lake in northwestern 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 Iowa Lakeside courses are totally immersive 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.continuellearn.uiowa.edu/lakesidelab or by contacting the Iowa Lakeside Laboratory Administrative Office, 250 Continuing Education Facility, The University of Iowa, Iowa City, IA 52242-8007. Phone: (319) 335-2740. Email: iaweside@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 2013 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, conservativists, and anyone else with an interest in Iowa's natural history. The following section will be offered this summer:

Ia LL 177-Vertebrate Community Ecology (May 20-31)
Ia LL 178-Molecular Ecology (June 3-14)
Ia LL 239G-Prairies (June 17-28)
Ia LL 177 Field Archaeology (June 24-July 5)

Lakeside Lab Course Descriptions

The following courses will be offered at Iowa Lakeside Laboratory during summer 2013. Iowa State University course numbers are listed under the course title.

Undergraduate Internship

Ia LL 303I (NREM 303I)
Cr 3.5 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 Ecol 312I, EnSci 312I)
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: 978-1939921291), 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: $50.

Practical Ecology

Ia LL 367 (A Ecol 367, EnSci 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, including distinct key fields; 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 422I (EnSci 422I)
Cr 4. June 17-July 12 MTWRF 8-5. Daryl D. Smith, University of Northern Iowa
Analysis and interpretation of patterns and the underlying physiology of plant species to examine 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 methods. 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, ISBN 0977456613) 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 427I (Anth 427I)
Cr 4. June 17-July 12 MTWRF 8-5. John F. Doesken, 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 prehistory. 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 theGillett Grove Onoeta culture protohistoric village site (13CY2) in Cerro Gordo 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 between large circular embankment/enclousures 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, bone and other fauna (caribou, mallard, wood duck, 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, Jefferson 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.
Ecology and Systematics of Diatoms
Ja LL 580I (EEOB 5800)
Cr 3. 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 an 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.


Field trip fee to be announced.

Freshwater Algaes
Ja LL 501I (EEOB 5010)
Cr 3. June 14-July 12 MTWRF 8-5
Kalina Manoylov, Georgia College & State University
Biological 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. Wohr 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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<th>Days</th>
<th>7:30 a.m.</th>
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**Summer Sessions Registration Trial Schedule Form (Time Grid)**
Registration Worksheet

Name (please print):
______________________________________________________________________________________________________________
(Last) (First) (Middle) (Term)

Please provide your university ID ___________________________________________________________________________

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

A. View the Online Schedule of Classes at 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, and approval from the dean of the college in which they are registered. During the summer session, these approvals must be obtained in order to register after the third day of classes.

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

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

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Notes

Adviser Signature: ___________________________ Date Approved: _______________
ACCOUNTING

LEGAL ENVIRONMENT BUS ACCT 215 3 CREDITS
Prereq: SOPH CLASSIFICATION
Note: COURSE RESTRICTED TO SOPHOMORES AND ABOVE
5277005 A MTWRF 7:30-9:30
MEETS: MAY 20-JUNE 14

FINANCIAL ACCOUNTING ACCT 284 3 CREDITS
Prereq: COURSE NOT OPEN TO FIRST TERM FRESHMEN
Note: COURSE RESTRICTED TO SOPHOMORE, JUNIOR, SENIOR AND SPECIAL CLASSIFICATIONS ONLY
1110005 A MTWRF 9:40-11:50
MEETS: MAY 20-JUNE 14

ENGINEERING CAREER SERVICES

Prereq: ACCT 284
1112005 A MTWRF 12:10-2:10
MEETS: JUNE 17-JULY 12

THE ACCOUNTING CYCLE ACCT 301 1 CREDIT
Prereq: ACCT 284
Note: COURSE RESTRICTED TO ACCT, BUS S, BUS U, MGMT, MIS, MGT, OSCM, P BUS, SCM UNDERGRAD MAJORS. GRADUATE STUDENTS GO TO 1200 GERDIN FOR PERMISSION TO ADD.
Available for nonmajor graduate credit
1078005 W ARRANGED
MEETS: JUNE 17-AUG 9

INTERMANAGERIAL ACCT ACCT 383 3 CREDITS
Prereq: ACCT 285 OR ACCT 501 AND ACCT 301
1117005 A MTWRF 9:50-11:50
MEETS: MAY 20-JUNE 14
Note: SECTION A1 RESTRICTED TO ACCT UNDERGRAD MAJORS

1117010 A2 MTWRF 9:50-11:50
MEETS: MAY 20-JUNE 14
Note: SECTION A2 RESTRICTED TO BUS S, BUS U, FIN, MGMT, MGT, MIS, MGT, OSCM, SCM UNDERGRAD MAJORS

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

INTRO TO AUDITING ACCT 497 3 CREDITS
Prereq: ACCT 384, ACCT 387 and STAT 326
Note: COURSE RESTRICTED TO ACCT UNDERGRAD MAJORS ONLY. GRADUATE STUDENTS GO TO 1200 GERDIN FOR PERMISSION TO ADD.
Available for nonmajor graduate credit
1126005 A MTWRF 12:10-2:10
MEETS: JULY 15-AUG 9

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

CREATIVE COMPONENT ACCT 599 2 CREDITS
Prereq: ADMISSION TO THE MASTER OF ACCT PROGRAM
******* SEE DEPT FOR REFERENCE NUMBERS

ADVERTISING

ADVERTISING PRINCIP ADVRT 230 3 CREDITS
4667005 1 MTWRF 9:50-11:50
MEETS: JUNE 17-JULY 12

AEROSPACE ENGINEERING

INDEPENDENT STUDY AER E 290C 1-2 CREDITS
Prereq: SOPHOMORE CLASSIFICATION, DEPT APPROVAL
Note: COURSE ONLY OFFERED FOR 2 CREDITS SUMMER 2013
******* SEE DEPT FOR REFERENCE NUMBERS

COOPERATIVE EDUC AER E 298 R CREDIT
Prereq: PERMISSION OF DEPARTMENT AND ENGINEERING CAREER SERVICES
Satisfactory-Fail Only
******* SEE DEPT FOR REFERENCE NUMBERS

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

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

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

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

SPL TOP VISCOUS AER AER E 590H 1-5 CREDITS
******* SEE DEPT FOR REFERENCE NUMBERS
AEROSPACE ENGINEERING (CONTINUED)

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

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

SPC TOP WIND ENGR AER E 590N 1-5 CREDITS
** SEE DEPT FOR REFERENCE NUMBERS

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

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

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

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

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

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

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

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

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

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

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

ENGINEER INTERNSHIP AER E 697 R CREDIT
Prereq: PERMISSION OF DOGE, GRADUATE CLASSIFICATION Satisfactory-Fail Only.

8313005 ARRANGED
MEETS: MAY 20-AUG 9

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

AFRICAN AND AFRICAN AMERICAN STUDIES

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

8310005 A MTWR 9:50-12:20
MEETS: JUNE 17-JULY 12

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

8357005 ARRANGED
MEETS: MAY 20-AUG 9

AGRICULTURAL EDUCATION & STUDIES (CONTINUED)

FIELD EXP H.S. AGRI AGEDS 211A 1 CREDIT
Prereq: AGEDS 110

7586000 ARRANGED
MEETS: MAY 20-AUG 9

FIELD EXP AG INDUST AGEDS 211C 1 CREDIT
Prereq: AGEDS 110

7603000 ARRANGED
MEETS: MAY 20-AUG 9

PRESEN'TN STRATEGIES AGEDS 311 3 CREDITS
1272005 F 2:00-5:00, ARRANGED
MEETS: MAY 20-JULY 12

AG MECHNAPPLICANTS AGEDS 388X 3 CREDITS
7350000 MWF 8:00-10:50
MEETS: MAY 20-JULY 12
Note: Materials and equipment use fee $200.00

INTERNSHIP IN AGEDS AGEDS 412 2-6 CREDITS
Prereq: AGEDS 211, JR CLASSIF IN AGEDS.
INSTR PERMISSION
Note: Available for nonmajor graduate credit
Professional support fee $65.00
** SEE DEPT FOR REFERENCE NUMBERS

FARM MGMT&OPERAG AGEDS 450 3 CREDITS
Prereq: ECON 235, ECON 330, JUNIOR CLASSIFICATION
Note: Available for nonmajor graduate credit
13386001 MWF 12:10-4:00
MEETS: MAY 20-JULY 12
Note: Materials and equipment use fee $100.00

ENTPRNE IG: HARVST AGEDS 465B 3 CREDITS
Prereq: ECON 236, 6 CR HORT, JUNIOR CLASSIFICATION
Note: Available for nonmajor graduate credit
9053005 W 12:10-1:10
M 12:10-3:00
W 1:10-4:00
MEETS: MAY 20-AUG 9

IND STU PHIL, CURRIC AGEDS 490A 1-3 CREDITS
Prereq: JR/SR CLASSIFICATION, INSTR PERMISSION
Note: PERMISSION OF INSTRUCTOR REQUIRED 1ST WEEK.
NO MORE THAN 6 CREDITS OF 490 MAY BE APPLIED TOWARD THE TOTAL OF 128 CREDITS REQUIRED FOR GRADUATION.
** SEE DEPT FOR REFERENCE NUMBERS

IND STU LDRSHIP, EVAL AGEDS 490B 1-3 CREDITS
Prereq: JR/SR CLASSIFICATION, INSTR PERMISSION
Note: PERMISSION OF INSTRUCTOR REQUIRED 1ST WEEK.
NO MORE THAN 6 CREDITS OF 490 MAY BE APPLIED TOWARD THE TOTAL OF 128 CREDITS REQUIRED FOR GRADUATION.
** SEE DEPT FOR REFERENCE NUMBERS

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

IND STU EXTEN, INT'L AGEDS 490D 1-3 CREDITS
Prereq: JR/SR CLASSIFICATION, INSTR PERMISSION
Note: PERMISSION OF INSTRUCTOR REQUIRED 1ST WEEK.
NO MORE THAN 6 CREDITS OF 490 MAY BE APPLIED TOWARD THE TOTAL OF 128 CREDITS REQUIRED FOR GRADUATION.
** SEE DEPT FOR REFERENCE NUMBERS

IND STU INSTN TCNL AGEDS 490E 1-3 CREDITS
Prereq: JR/SR CLASSIFICATION, INSTR PERMISSION
Note: PERMISSION OF INSTRUCTOR REQUIRED 1ST WEEK.
NO MORE THAN 6 CREDITS OF 490 MAY BE APPLIED TOWARD THE TOTAL OF 128 CREDITS REQUIRED FOR GRADUATION.
** SEE DEPT FOR REFERENCE NUMBERS

IND STU ENVIR ISSU AGEDS 490F 1-3 CREDITS
Prereq: JR/SR CLASSIFICATION, INSTR PERMISSION
Note: PERMISSION OF INSTRUCTOR REQUIRED 1ST WEEK.
NO MORE THAN 6 CREDITS OF 490 MAY BE APPLIED TOWARD THE TOTAL OF 128 CREDITS REQUIRED FOR GRADUATION.
** SEE DEPT FOR REFERENCE NUMBERS

INDEP STUDY HONORS AGEDS 490H 1-3 CREDITS
Prereq: JR/SR CLASSIFICATION, INSTR PERMISSION,
MEMBERSHIP IN UNIV HONORS PROGRAM
Note: COURSE RESTRICTED TO HONORS PROGRAM STUDENTS ONLY. PERMISSION OF INSTRUCTOR REQUIRED 1ST WEEK.
NO MORE THAN 6 CREDITS OF 490 MAY BE APPLIED TOWARD THE TOTAL OF 128 CREDITS REQUIRED FOR GRADUATION.
** SEE DEPT FOR REFERENCE NUMBERS

INDSTU COMMUNICATN AGEDS 490I 1-3 CREDITS
Prereq: JR/SR CLASSIFICATION, INSTR PERMISSION,
MEMBERSHIP IN UNIV HONORS PROGRAM
Note: COURSE RESTRICTED TO HONORS PROGRAM STUDENTS ONLY. PERMISSION OF INSTRUCTOR REQUIRED 1ST WEEK.
NO MORE THAN 6 CREDITS OF 490 MAY BE APPLIED TOWARD THE TOTAL OF 128 CREDITS REQUIRED FOR GRADUATION.
** SEE DEPT FOR REFERENCE NUMBERS

INDSTU PHIL, CURRIC AGEDS 490J 1-3 CREDITS
Prereq: JR/SR CLASSIFICATION, INSTR PERMISSION,
MEMBERSHIP IN UNIV HONORS PROGRAM
Note: COURSE RESTRICTED TO HONORS PROGRAM STUDENTS ONLY. PERMISSION OF INSTRUCTOR REQUIRED 1ST WEEK.
NO MORE THAN 6 CREDITS OF 490 MAY BE APPLIED TOWARD THE TOTAL OF 128 CREDITS REQUIRED FOR GRADUATION.
** SEE DEPT FOR REFERENCE NUMBERS

AG TRAVEL INTERNATL AGEDS 496A 1-3 CREDITS
Prereq: PERMISSION OF INSTRUCTOR
Note: Meets international perspectives reqmt
Available for nonmajor graduate credit
1516000 ET ARRANGED
MEETS: MAY 14-31
Note: SEC ET TAUGHT IN ETHIOPIA, HAWASSA. TOPIC: AGRICULTURE & LIFE SCIENCE EDUCATION. STUDY ABROAD SUMMER 2013- OFFERED FOR 2 CREDITS
Study Abroad Administrative Fee applies.

UNDERGRAD RESEARCH AGEDS 499 VAR. CREDITS
Prereq: PERMISSION OF INSTRUCTOR, ADVISER, & DEPARTMENT CHAIR
Instructor permission required 1st week.

8361005 ARRANGED
MEETS: MAY 20-AUG 9
AGRICULTURAL EDUCATION & STUDIES (CONTINUED)

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

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

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

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

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

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

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

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

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

WORKSHOP CURRICULUM AGEDS 593A 1-3 CREDITS
Prereq: 12 CREDITS IN AGRICULTURAL EDUCATION
1317005 ARRANGED
MEETS: MAY 20-AUG 9
Note: Materials fee $25.00
Tuition Category: Workshop

METHODS WORKSHOP AGEDS 593B 1-3 CREDITS
Prereq: 12 CREDITS IN AGRICULTURAL EDUCATION
1318005 ARRANGED
MEETS: MAY 20-AUG 9
Note: Materials fee $25.00
Tuition Category: Workshop

WRKSHP PROGRAM PLAN AGEDS 593G 1-3 CREDITS
Prereq: 12 CREDITS IN AGRICULTURAL EDUCATION
1323005 ARRANGED
MEETS: MAY 20-AUG 9
Note: Materials, field trips 4/or travel fee $25.00
Tuition Category: Workshop

WKSHP BIOTECHNOLOGY AGEDS 593M 1-3 CREDITS
Prereq: 12 CREDITS IN AGRICULTURAL EDUCATION
6536005 ARRANGED
MEETS: MAY 20-AUG 9
Note: 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 $25.00
Satisfactory-Fail Only.
******* SEE DEPT FOR REFERENCE NUMBERS

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

AGRICULTURAL ENGINEERING (CONTINUED)

COOPERATIVE EDUC A E 398 R CREDIT
Pre req: A E 298, PERMISSION OF DEPARTMENT AND ENGINEERING CAREER SERVICES
******* SEE DEPT FOR REFERENCE NUMBERS

SUMMER INTERNSHIP A E 396 R CREDIT
Pre req: PERMISSION OF DEPARTMENT AND ENGINEERING CAREER SERVICES
******* SEE DEPT FOR REFERENCE NUMBERS

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

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

INDEPENDENT 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 STDY ENVVRN RES A E 490S 1-4 CREDITS
******* SEE DEPT FOR REFERENCE NUMBERS

COOPERATIVE EDUCATN A E 498 R CREDIT
Prereq: A E 298, PERMISSION OF THE DEPARTMENT AND ENGINEERING CAREER SERVICES
******* SEE DEPT FOR REFERENCE NUMBERS

SPL TOP BIOSYS ENGR A E 590B 1-3 CREDITS
******* SEE DEPT FOR REFERENCE NUMBERS

SPL TOPIC FOOD ENGR A E 590F 1-3 CREDITS
******* SEE DEPT FOR REFERENCE NUMBERS

SP TOPICS POWER ENGR A E 590P 1-3 CREDITS
******* SEE DEPT FOR REFERENCE NUMBERS

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

SP TOPICS STUDIES AGEDS 590Q 1-3 CREDITS
Prereq: 12 CREDITS IN AGRICULTURAL EDUCATION
******* SEE DEPT FOR REFERENCE NUMBERS

SP TOPICS CURRICULUM AGEDS 590A 1-3 CREDITS
Prereq: 12 CREDITS IN AGRICULTURAL EDUCATION
******* SEE DEPT FOR REFERENCE NUMBERS
AGRONOMY

PROF DEVEL/WK EXP AGRON 310 R CREDIT
Satisfactory-Fail Only.
1389005 ARRANGED
MEETS: MAY 20-AUG 9

COOPERATIVE EDUCATN AGRON 398 R CREDIT
Prereq: PERMISSION OF DEPARTMENT COOPERATIVE
EDUCATION COORDINATOR, JUNIOR CLASSIFICATION
1411005 ARRANGED
MEETS: MAY 20-AUG 9

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

AG INT'L TRAVL TOUR AGRON 496A VAR. CREDITS
Prereq: JNR/SR CLASS IF WITH AT LEAST 8 CR IN AGRON
INSTRUCTOR PERMISSION IN SPECIALTY AREA AFTER CONSULTATIN
Note: RESTRICTED TO HONORS PROGRAM STUDENTS ONLY.
NO MORE THAN 4 CREDITS OF AGRON 496 MAY BE APPLIED TOWARD THE TOTAL OF 128 CREDITS REQUIRED FOR GRADUATION.
******* SEE DEPT FOR REFERENCE NUMBERS

AGROECOLOGY FLD CRS AGRON 497 3 CREDITS
Prereq: JR/SR CLASSIFICATION, 8 CREDITS IN AGRONOMY
943800 GH ARRANGED MANU A
MEETS: MAY 15-JUNE 3
Note: SEC OR TAUGHT IN GHANA: ACCRA, CAPE COAST, KUMASI, TAMALE, TROPICAL ECOSYSTEMS & RESOURCES MANAGEMENT. STUDY ABROAD SUMMER 2013. OFFERED FOR 3 CREDITS.
Study Abroad Administrative Fee Applies

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 2013.
1445005 ARRANGED
MEETS: MAY 20-AUG 9

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

CR COMP AG METEOROL AGRON 599A VAR. CREDITS
Prereq: NONTHESIS M.S. OPTION ONLY
1472005 ARRANGED
MEETS: MAY 20-AUG 9

CR COMP CROP PRD&PHY AGRON 599B VAR. CREDITS
Prereq: NONTHESIS M.S. OPTION ONLY
1473005 ARRANGED
MEETS: MAY 20-AUG 9

CR COMP PLNT BREEDG AGRON 599C VAR. CREDITS
Prereq: NONTHESIS M.S. OPTION ONLY
1474005 ARRANGED
MEETS: MAY 20-AUG 9

CRTV COMP SOIL CHEM AGRON 599D VAR. CREDITS
Prereq: NONTHESIS M.S. OPTION ONLY
1475005 ARRANGED
MEETS: MAY 20-AUG 9

CR COMP SOIL FERTIL AGRON 599E VAR. CREDITS
Prereq: NONTHESIS M.S. OPTION ONLY
1476005 ARRANGED
MEETS: MAY 20-AUG 9

AGRON TCHNG PRACTCM AGRON 698 1-2 CREDITS
Prereq: GRADUATE CLASSIFICATION IN AGRON AND PERMISSION OF INSTRUCTOR
Satisfactory-Fail Only.

AGRON TCHNG PRACTCM AGRON 698 1-2 CREDITS
Prereq: GRADUATE CLASSIFICATION IN AGRON AND PERMISSION OF INSTRUCTOR
Satisfactory-Fail Only.

AGRON TCHNG PRACTCM AGRON 698 1-2 CREDITS
Prereq: GRADUATE CLASSIFICATION IN AGRON AND PERMISSION OF INSTRUCTOR
Satisfactory-Fail Only.

AMERICAN INDIAN STUDIES

INTR AM INDIAN STDI AM IN 210 3 CREDITS
Note: Meet U.S. diversity reqmt.
1506005 1 MTWR 9:50-11:50
MEETS: JUNE 17-JULY 12

INDEPENDENT STUDY AM IN 490 VAR. CREDITS
Prereq: 6 CR IN AM IN STUDIES, INSTR PERMISSION
Note: COURSE ONLY OFFERED FOR 1-9 CREDITS SUMMER 2013.
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 9:50-11:50
MEETS: MAY 20-JUNE 12
Note: Materials, field trips 4/or travel fee $62.00
1061010 B MTWR 9:50-11:50
MEETS: MAY 20-JUNE 12
Note: Materials, field trips 4/or travel fee $62.00

ECOLOGY A ECL 312 4 CREDITS
Prereq: Permission of Lakeside Lab Office required
http://www.continue to learn.uiowa.edu/lakesidelab
3713005 1 MTWR 9:00-5:00
MEETS: MAY 20-JUNE 14
Note: Tuition Category: Iowa Lakeside Lab
ANIMAL SCIENCE

PRA SAFE HORSE HNDL AN S 116X 1 CREDIT
Satisfactory-Fail Only.
6980005 1 TR 4:00-7:15PM FERWERDA N
Note: Materials and equipment use fee $100.00

ANIM SCI INTERNSHIP AN S 399A 2-6 CREDITS
Prereq: PERMISSION OF THE INSTRUCTOR
1538005 ARRANGED MEETS: MAY 20-AUG 9

SUPERV'D INTERNSHIP AN S 399B R CREDIT
Prereq: PERMISSION OF INTERNSHIP COORDINATOR
Satisfactory-Fail Only.
2258005 ARRANGED MEETS: MAY 20-AUG 9

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

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

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

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

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

WORKSHOP IN ANIM SCI AN S 493 1-3 CREDITS
Prereq: PERMISSION OF THE INSTRUCTOR
Note: COURSE ONLY OFFERED FOR 3 CREDITS SUMMER 2013 Available for nonmajor graduate credit
7744005 1 ARRANGED MEETS: JULY 8-OCT 30
ANIMAL SCIENCE  (CONTINUED)

MUSCLE BIOLOGY RSRCH  ANTHR S69G  VAR. CREDITS  
********  SEE DEPT FOR REFERENCE NUMBERS

POULTRY NUTRI RSRCH  ANTHR S69H  VAR. CREDITS  
********  SEE DEPT FOR REFERENCE NUMBERS

ANIM ETHOLOGY RSRCH  ANTHR S69J  VAR. CREDITS  
********  SEE DEPT FOR REFERENCE NUMBERS

APPLIED ANTHROPOLOGY  ANTHR 411  3 CREDITS
Prereq: 201 OR 306
Note: Meets international perspectives reqmt
1622800  LK ARRANGED  DUSSELLER J
MEETS: MAY 2-22
Note: SEC LK TAKEN IN SRI LANKA.

ARCHAEOLOGY  ANTHR 427I  4 CREDITS
Note: Available for 4 credits only toward the major.
Permission of Lakeside Lab Office required
http://www.continuelearn.uiowa.edu/lakesidelab
3842000  MTRF 8:00-5:00
MEETS: JUNE 17-JULY 12
Note: Tuition Category: Iowa Lakeside Lab

INTERNSHIP ARCHAEOLOGY  ANTHR 434A  2-6 CREDITS
Prereq: JUNIOR OR SENIOR STANDING
Note: No more than 6 credits of internship experience
may count toward the major.
No credit in ANTHR 434 may be used to satisfy
ANTHR core course requirements
for the major or for the anthr minor.
Satisfactory-Fail Only.
7718005  A ARRANGED
MEETS: MAY 20-AUG 9

INTERNSHIP CULTURAL ANTHR 434B  2-6 CREDITS
Prereq: JUNIOR OR SENIOR STANDING
Note: No more than 6 credits of internship experience
may count toward 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 20-AUG 9

INTERNSHIP BIOLOGICAL ANTHR 434C  2-6 CREDITS
Prereq: JUNIOR OR SENIOR STANDING
Note: No more than 6 credits of internship experience
may count toward 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 20-AUG 9

INDEPENDENT STUDY ARCHAEOLOGY  ANTHR 490A  1-5 CREDITS
Prereq: 9 CREDITS IN ANTHROPOLOGY
Note: No more than 9 credits of ANTHR 490 may be
applied toward graduation.
Instructor permission required 1st week.
********  SEE DEPT FOR REFERENCE NUMBERS

INDEPENDENT STUDY ANTHR 490B  1-5 CREDITS
Prereq: 9 CREDITS IN ANTHROPOLOGY
Note: No more than 9 credits of ANTHR 490 may be
applied toward graduation.
Instructor permission required 1st week.
********  SEE DEPT FOR REFERENCE NUMBERS

INDEPENDENT STUDY ANTHR 490C  1-5 CREDITS
Prereq: 9 CREDITS IN ANTHROPOLOGY
Note: No more than 9 credits of ANTHR 490 may be
applied toward graduation.
Instructor permission required 1st week.
********  SEE DEPT FOR REFERENCE NUMBERS

INDEPENDENT STUDY ANTHR 490D  1-5 CREDITS
Prereq: 9 CREDITS IN ANTHROPOLOGY
Note: No more than 9 credits of ANTHR 490 may be
applied toward graduation.
Instructor permission required 1st week.
********  SEE DEPT FOR REFERENCE NUMBERS

ANTHROPOLOGY  (CONTINUED)

INDEPENDENT STUDY HONORS ANTHR 490H  1-5 CREDITS
Prereq: 9 CREDITS IN ANTHROPOLOGY, MEMBERSHIP IN
HONORS PROGRAM
Note: No more than 9 credits of ANTHR 490 may be
applied toward graduation.
Course restricted to HONORS PROGRAM STUDENTS ONL.
Instructor permission required 1st week.
********  SEE DEPT FOR REFERENCE NUMBERS

UG INDEPENDENT STUDY 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 toward graduation.
Permission of Lakeside Lab Office required
http://www.continuelearn.uiowa.edu/lakesidelab
7822005  1 ARRANGED
MEETS: MAY 20-JUNE 14

7822010  2 ARRANGED
MEETS: JUNE 17-JULY 12
Note: Tuition Category: Iowa Lakeside Lab

GLOB CULTURAL CONSUMPTION ANTHR 518  3 CREDITS
Prereq: 201 OR 306 RECOMMENDED
Note: Meets international perspectives reqmt
7376005  A MTRF 9:30-10:50
MEETS: MAY 20-JUNE 14

GRADUATION
AESHM 270, AND AESHM 470 MAY BE APPLIED TOWARD
Note: NO MORE THAN 12 CREDITS TOTAL FROM AESHM 170,
CLASSIFICATION
PREREQ: PERMISSION BY APPLICATION; SOPHOMORE CLASSIFICATION
6 CR IN AESHM 170

GRADUATION
AESHM 270, AND AESHM 470 MAY BE APPLIED TOWARD
Note: NO MORE THAN 12 CREDITS TOTAL FROM AESHM 170,
CLASSIFICATION
PREREQ: PERMISSION BY APPLICATION; FRESHMAN
6 CR IN AESHM 170

GRADUATION
AESHM 270, AND AESHM 470 MAY BE APPLIED TOWARD
Note: NO MORE THAN 12 CREDITS TOTAL FROM AESHM 170,
CLASSIFICATION
PREREQ: PERMISSION OF INSTRUCTOR
6 CR IN AESHM 170

GRADUATION
AESHM 270, AND AESHM 470 MAY BE APPLIED TOWARD
Note: NO MORE THAN 12 CREDITS TOTAL FROM AESHM 170,
CLASSIFICATION
PREREQ: PERMISSION OF INSTRUCTOR
6 CR IN AESHM 170

GRADUATION
AESHM 270, AND AESHM 470 MAY BE APPLIED TOWARD
Note: NO MORE THAN 12 CREDITS TOTAL FROM AESHM 170,
CLASSIFICATION
PREREQ: PERMISSION OF INSTRUCTOR
6 CR IN AESHM 170

GRADUATION
AESHM 270, AND AESHM 470 MAY BE APPLIED TOWARD
Note: NO MORE THAN 12 CREDITS TOTAL FROM AESHM 170,
CLASSIFICATION
PREREQ: PERMISSION OF INSTRUCTOR
6 CR IN AESHM 170

APPLIED ANTHROPOLOGY  (CONTINUED)

GRADUATION
AESHM 270, AND AESHM 470 MAY BE APPLIED TOWARD
Note: NO MORE THAN 12 CREDITS TOTAL FROM AESHM 170,
CLASSIFICATION
PREREQ: PERMISSION OF INSTRUCTOR
6 CR IN AESHM 170

APPLIED ANTHROPOLOGY  (CONTINUED)

RESEARCH ANTHR 699  VAR. CREDITS
Prereq: Instructor permission required 1st week.
********  SEE DEPT FOR REFERENCE NUMBERS

RESEARCH - IA LL ANTHR 699I  1-4 CREDITS
Prereq: GRAD CLASSIFICATION, INSTRUCTOR PERMISSION
Note: Instructor permission required 1st week.
********  SEE DEPT FOR REFERENCE NUMBERS

RESEARCH - IA LL ANTHR 699J  VAR. CREDITS
Note: Permission of Lakeside Lab Office required
http://www.continuelearn.uiowa.edu/lakesidelab
7824005  1 ARRANGED
MEETS: MAY 20-JUNE 14

7824010  2 ARRANGED
MEETS: JUNE 17-JULY 12
Note: Tuition Category: Iowa Lakeside Lab

APPAREL, ED STUDIES & HOSPITALITY MGMT

SUPV WRK EXP I: HSPY AESHM 170D  1 CREDIT
Prereq: PERMISSION OF INSTRUCTOR; FRESHMAN
CLASSIFICATION
Note: No more than 12 credits total from AESHM 170,
AESHM 270, and AESHM 470 may be applied toward
graduation
Instructor permission required.
1107005  ARRANGED
MEETS: MAY 20-AUG 9

SUPV WRK EXP I: EVNT AESHM 170F  1 CREDIT
Prereq: PERMISSION OF INSTRUCTOR; FRESHMAN
CLASSIFICATION
Note: No more than 12 credits total from AESHM 170,
AESHM 270, and AESHM 470 may be applied toward
graduation
Instructor permission required.
1113005  ARRANGED
MEETS: MAY 20-AUG 9

SUPV WRK EXP I: APPR AESHM 170N  1 CREDIT
Prereq: PERMISSION OF INSTRUCTOR; FRESHMAN
CLASSIFICATION
Note: No more than 12 credits total from AESHM 170,
AESHM 270, and AESHM 470 may be applied toward
graduation
Instructor permission required.
1125005  ARRANGED
MEETS: MAY 20-AUG 9

SUPV WRK EXP II: HSPY AESHM 270D  1-2 CREDITS
Prereq: MINIMUM 2.0 GPA; PERMISSION OF
APPLICATION; SOPHOMORE CLASSIFICATION; 6 CR IN AESHM OR HRI
Note: No more than 12 credits total from AESHM 170,
AESHM 270, AESHM 470 may be applied toward
graduation
Instructor permission required.
1132005  ARRANGED
MEETS: MAY 20-AUG 9

Note: Permission of Lakeside Lab Office required
http://www.continuelearn.uiowa.edu/lakesidelab
7822005  1 ARRANGED
MEETS: MAY 20-JUNE 14

Note: Tuition Category: Iowa Lakeside Lab
7822010  2 ARRANGED
MEETS: JUNE 17-JULY 12
Note: Tuition Category: Iowa Lakeside Lab

Note: Tuition Category: Iowa Lakeside Lab
7823010  2 ARRANGED
MEETS: JUNE 17-JULY 12
Note: Tuition Category: Iowa Lakeside Lab

Note: Tuition Category: Iowa Lakeside Lab
7823015  2 ARRANGED
MEETS: JUNE 17-JULY 12
Note: Tuition Category: Iowa Lakeside Lab

Note: Tuition Category: Iowa Lakeside Lab
7824010  2 ARRANGED
MEETS: JUNE 17-JULY 12
Note: Tuition Category: Iowa Lakeside Lab
SUP WRK EXP I: EVENT AESHM 270F 1-2 CREDITS
Prereq: Minimum 2.0 GPA; Permission by Application; Sophomore Classification; 6 Cr in AESHM, HRI, or TC.
Note: No more than 12 credits total from AESHM 170, AESHM 270, and AESHM 470 may be applied toward graduation.
1203005 ARRANGED
MEETS: MAY 20-AUG 9

SUP WRK EXP II: APPL AESHM 270N 1-2 CREDITS
Prereq: Minimum 2.0 GPA; Permission by Application; Sophomore Classification; 6 Cr in AESHM or TC.
Note: No more than 12 credits total from AESHM 170, AESHM 270, and AESHM 470 may be applied toward graduation.
1270005 ARRANGED
MEETS: MAY 20-AUG 9

SUP WRK EXP II: ISU AESHM 270P 1-2 CREDITS
Prereq: Minimum 2.0 GPA; Permission by Application; Sophomore Classification; 6 Cr in AESHM or TC.
Note: No more than 12 credits total from AESHM 170, AESHM 270, and AESHM 470 may be applied toward graduation.
1282005 ARRANGED
MEETS: MAY 20-AUG 9

AESTHTCS CNMSR EXPC AESHM 342 3 CREDITS
Note: Meets U.S. diversity reqmt.
4609005 ARRANGED
MEETS: MAY 20-JULY 12
Note: Course delivery is WWW.

U.S. FIELD STUDY AESHM 380 1-3 CREDITS
Prereq: 9 Cr in T C, Jr Classif; Minimum 2.0 GPA; Permission by Application.
Field trip and travel fee $400.00-61,500.00
1719005 1 MTW 1:40-4:00
1509005 1 ARRANGED
MEETS: MAY 20-AUG 9

INTERNSHIP HOSPITALITY AESHM 470D VAR. CREDITS
Prereq: AESHM 311, 9 Cr in HRI, and Minimum 2.0 GPA; Permission by Application; Junior or Senior Classification.
Note: No more than 12 credits total from AESHM 170, AESHM 270, and AESHM 470 may be applied toward graduation. Course only offered for 3-6 credits summer 2013.
1300005 1 T 8:40-12:00
1828005 1 MWF 8:40-12:00
CONCURRENT ENROLLMENT IN AESHM 570B
2544005 1 ARRANGED
MEETS: MAY 20-AUG 9

INTERNSHIP APPAREL AESHM 470N VAR. CREDITS
Prereq: AESHM 311, 9 Cr in AESHM or HRI, and Minimum 2.0 GPA; Permission by Application; Junior or Senior Classification.
Note: No more than 12 credits total from AESHM 170, AESHM 270, and AESHM 470 may be applied toward graduation. Course only offered for 3-6 credits summer 2013.
1719005 1 MTW 1:40-4:00
1509005 1 ARRANGED
MEETS: MAY 20-JULY 12

IND STDY DSN COMMUN ARCH 490A 1-9 CREDITS
Prereq: Approval of Instn & Dept Chair on Req Form.
Note: Department permission required.
18672805 CN ARRANGED
MEETS: MAY 20-JUNE 27
Note: Meets international perspectives reqmt.

STDY ABRD OPTIONS ARCH 576 1-12 CREDITS
Note: Meets international perspectives reqmt.
8672805 CN ARRANGED
MEETS: MAY 14-27
Note: Sec CN taught in China. Field Studies in Chinese Architecture Summer 2013 Taught for 3 credits.

SERVICE LEARNING ARCH 581 5 CREDITS
Prereq: ARCH 506, 542 and ARCH 596 and Concurrent Enrollment in ARCH 581
1719005 1 MTW 1:40-4:00
R 1:40-5:00
MEETS: MAY 20-JULY 12

SPECIAL TOPICS ARCH 590 1-5 CREDITS
Prereq: Written Approval of Instructor and Department Chair on Approved Form.
1679005 1 ARRANGED
MEETS: MAY 20-AUG 9

INDEP DESIGN STUDY ARCH 690 1-6 CREDITS
Prereq: Admission to the M.S. in Arch. Program.
Note: Department permission required.
1509005 1 ARRANGED
MEETS: MAY 20-AUG 9

RESEARCH ARCH 699 1-9 CREDITS
1300005 1 ARRANGED
MEETS: MAY 20-AUG 9

ARCHITECTURE

PRACTCM HSPTLTY MGT AESHM 570B 1-3 CREDITS
Prereq: 6 Grad Credits in Program Area; Instrcr Permission
1509005 1 ARRANGED
MEETS: MAY 20-AUG 9
Note: Instructor permission required.
ART & DESIGN

GRAPHIC DSGN IN EUR ART 495G 3 CREDITS
Prereq: 494, PERMISSION OF INSTRUCTOR
Note: Meets international perspectives reqmt
Instructor permission required 1st week.
1858800 IT ARRANGED FONTAINE L
MEETS: MAY 13-JUNE 3
Note: SEC IT TAUGHT IN ITALY, SWITZERLAND, GERMANY,
THE NETHERLANDS, FRANCE. TOPIC: GRAPHIC DESIGN IN
EUROPE. STUDY ABROAD SUMMER 2013
Study Abroad Administrative Fee Applies

STUDIO INTERNSHIP ART 497 1-6 CREDITS
Prereq: ADVANCED CLASSIFICATION IN A DEPT CURR,
WRITTEN APPROVAL OF SUPERVISING INSTR AND DEPT CHAIR
ON REQUIRED FORM IN ADVANCE OF SEMESTER OF ENROLLMENT
Note: Instructor permission required.
Satisfactory-Fail Only.
******* SEE DEPT FOR REFERENCE NUMBERS

MUSEUM/GLLRY INTERN ART 498 1-6 CREDITS
Prereq: WRITTEN APPROVAL OF SUPERVISING INSTR ON REQUIRED
FORM IN ADVANCE OF SEM OF ENROLLMENT
Satisfactory-Fail Only.
7821005 JC ARRANGED MEETS: MAY 20-AUG 9

GRAPHIC DSGN IN EUR ART 595G 3 CREDITS
Prereq: GRAD CLASSIF, 494 OR EQUIV, INSTR PERM SSN
Note: COURSE RESTRICTED TO GRADUATE ART MAJORS
1910800 IT ARRANGED FONTAINE L
MEETS: MAY 13-JUNE 3
Note: SEC IT TAUGHT IN ITALY, SWITZERLAND, GERMANY,
THE NETHERLANDS, FRANCE. TOPIC: GRAPHIC DESIGN IN
EUROPE. STUDY ABROAD SUMMER 2013
Study Abroad Administrative Fee Applies

STUDIO INTERNSHIP ART 697 VAR. CREDITS
Prereq: GRAD CLASSIF & APPROVAL OF POS COMMITTEE
Note: COURSE ONLY OFFERED FOR 1-9 CREDITS SUMMER 2013.
FOR GRADUATE ART MAJORS ONLY.
Department permission required.
******* SEE DEPT FOR REFERENCE NUMBERS

Thesis Research ART 699A VAR. CREDITS
1949005 ARRANGED MEETS: MAY 20-AUG 9
Thesis Res–Exhibit ART 699B VAR. CREDITS
Satisfactory-Fail Only.
******* SEE DEPT FOR REFERENCE NUMBERS

ART HISTORY

American Art to 1495 ART H 386X 3 CREDITS
Note: Meets U.S. diversity reqmt
Available for nonmajor graduate credit
9596005 ARRANGED MEETS: MAY 20-JULY 12
Note: Course delivery is WWW

History of Comics ART H 489 3 CREDITS
Note: Available for nonmajor graduate credit
3875005 ARRANGED MEETS: JUNE 17-AUG 9
Note: TOPIC: SEQUENTIAL ARTS
Course delivery is WWW

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

Independent 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 IN ADVANCE OF SEM OF ENROLLMENT
******* SEE DEPT FOR REFERENCE NUMBERS

ASTRONOMY & ASTROPHYSICS

North Star Astronomy ASTRO 102 1 CREDIT
Note: STUDENTS WHO TAKE ASTRO 120 MAY APPLY CREDIT
IN ONLY ONE OF ASTRO 102 OR 103 TOWARD GRADUATION
8059005 ARRANGED MEETS: JUNE 17-AUG 9
Note: Course delivery is WWW

Evening Star ASTRO 103 1 CREDIT
Note: STUDENTS WHO TAKE ASTRO 120 MAY APPLY CREDIT
IN ONLY ONE OF ASTRO 102 OR 103 TOWARD GRADUATION
8260005 ARRANGED MEETS: JUNE 17-AUG 9
Note: Course delivery is WWW

Sky & Solar System ASTRO 120 3 CREDITS
Note: STUDENTS WHO TAKE ASTRO 120 MAY APPLY CREDIT
IN ONLY ONE OF ASTRO 102 OR 103 TOWARD GRADUATION
1951005 1 MTRF 8:40-9:40
R 8:40-9:40 MEETS: JUNE 17-AUG 9

Independent Study ASTRO 290 1-4 CREDITS
******* SEE DEPT FOR REFERENCE NUMBERS

Undergrad Research ASTRO 450L 1-6 CREDITS
Prereq: PERMISSION OF INSTRUCTOR
******* SEE DEPT FOR REFERENCE NUMBERS

Undergrad Research ASTRO 450L 1-6 CREDITS
Prereq: 444L AND PERMISSION OF INSTRUCTOR
******* SEE DEPT FOR REFERENCE NUMBERS

Special Topics ASTRO 599 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

BIOCHEM, BIOPHYSICS & MOLECULAR BIO

Survey of Biochem BBMB 301 3 CREDITS
Prereq: CHEM 231 OR CHEM 331
Note: AGBio, Biochemistry or Biophysics Majors may not
APPLY CREDIT FOR BBMB 301 TOWARD DEGREE REQUIREMENTS
FOR THE MAJOR BUT IT IS ACCEPTABLE AS AN ELECTIVE
1999005 MTRF 8:40-9:40 MEETS: MAY 20-JULY 12

Independent Study BBMB 490 VAR. CREDITS
Prereq: INSTRUCTOR PERMISSION; COLLEGE OF
AGRICULTURE: JUNIOR OR SENIOR CLASSIFICATION
Note: STUDENTS IN THE COLLEGE OF AGRICULTURE MAY APPLY
NO MORE THAN 6 CREDITS OF BBMB 490 TOWARD GRADUATION.
INDEPENDENT STUDY BBMB 490 VAR. CREDITS
Prereq: PERMISSION OF FACULTY MEMBER WITH WHOM
STUDENT PROPOSES TO WORK
******* SEE DEPT FOR REFERENCE NUMBERS

Undergrad Research BBMB 499 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 BBMB 490 TOWARD GRADUATION.
INDEPENDENT STUDY BBMB 499 VAR. CREDITS
Prereq: PERMISSION OF FACULTY MEMBER WITH WHOM
STUDENT PROPOSES TO WORK
******* SEE DEPT FOR REFERENCE NUMBERS

Intro DNA Techniq BBMB 542A 1 CREDIT
Prereq: GRADUATE CLASSIFICATION
Satisfactory-Fail Only
7099005 1 MTRF 1:00-2:00
MT 2:00-4:00 MEETS: JUNE 17-JULY 30

Intro Protein Technq BBMB 542B 1 CREDIT
Prereq: GRADUATE CLASSIFICATION
Satisfactory-Fail Only
7100005 1 MTRF 1:00-2:00
BIOCHEM, BIOPHYSICS & MOLECULAR BIO (CONTINUED)

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

RESEARCH
BBMB 699 VAR. CREDITS
Prereq: PERMISSION OF INSTRUCTOR
******** SEE DEPT FOR REFERENCE NUMBERS

BIOINFORMATICS & COMPUTATIONAL BIOLOGY

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

SPECIAL TOPICS
BCB 590 VAR. CREDITS
1337005 ARRANGED
MTWRF 2:15-3:30 MEETS: MAY 20-AUG 9

COORDINATE EDCUCAT
BCB 598 R CREDIT
Prereq: PERMISSION OF THE PROGRAM CHAIR
1828005 ARRANGED
MTWRF 2:15-3:30 MEETS: MAY 20-AUG 9

GRAD RESEARCH ROTAT
BCB 697 VAR. CREDITS
7827005 ARRANGED
MEETS: MAY 20-AUG 9

RESEARCH
BCB 999 VAR. CREDITS
******** SEE DEPT FOR REFERENCE NUMBERS

BIOLOGICAL SYSTEMS ENGINEERING

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

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

BIOLOGICAL/PRE-MEDICAL ILLUSTRATION

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

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

BIOLOGY

INTRODUCTORY BIOLOGY
BIOL 101 3 CREDITS
2064005 A MTRF 12:10-2:20 MEETS: JUNE 17-JULY 12
2064010 B ARRANGED MEETS: MAY 20-AUG 9
Note: Course delivery is WWW
Section info: http://www.elo.iastate.edu/biology-courses-information/

HUMAN BIOLOGY
BIOL 155 3 CREDITS
7079005 A ARRANGED MEETS: MAY 20-AUG 9
Note: Course delivery is WWW

ENVIRONMENTAL BIOLOGY
BIOL 173 3 CREDITS
2015005 A ARRANGED MEETS: MAY 20-AUG 9
Note: Course delivery is WWW
Section info: http://www.elo.iastate.edu/biology-courses-information/

BIOLOGY (CONTINUED)

PRINCIP OF BIOLOGY I
BIOL 211 3 CREDITS
Prereq: HIGH SCHOOL BIOLOGY AND CHEMISTRY OR CREDIT OR ENROLLMENT IN CHEM 163 OR CHEM 177
9468003 A ARRANGED MEETS: MAY 20-AUG 9
Note: Course delivery is WWW
Section info: http://www.elo.iastate.edu/biology-courses-information/
9468010 B MTWRF 9:50-11:50 MEETS: MAY 20-JUNE 14

PRINCIP OF BIOLOGY II
BIOL 212 3 CREDITS
Prereq: 211
9469005 A ARRANGED MEETS: MAY 20-AUG 9
Note: Course delivery is WWW

FUND HUMAN ANATOMY
BIOL 255 3 CREDITS
7205005 A ARRANGED MEETS: MAY 20-AUG 9
Note: Course delivery is WWW

PRINCIP OF BIOLOGY III
BIOL 213 3 CREDITS
Prereq: 212
6342005 1 TR 9:00-10:15 MEETS: MAY 20-JULY 12
Note: Materials fee $90.00
6342010 2 TR 12:10-3:10 MEETS: MAY 20-JULY 12
Note: Materials fee $90.00

ECOLOGY
BIOL 311 4 CREDITS
Prereq: BIOL 211 AND BIOL 212
5609005 A MTWRF 9:50-11:05 TR 12:10-3:10 MEETS: MAY 20-JULY 12
Note: Materials, field trips $62.00 or travel fee $62.00
2069010 B MTWRF 9:50-11:05 TR 12:10-3:10 MEETS: MAY 20-JULY 12
Note: Materials, field trips $62.00 or travel fee $62.00

INDEPENDENT STUDY
BIOL 490 1-5 CREDITS
2069005 A MTWRF 9:50-11:05 TR 12:10-3:10 MEETS: MAY 20-JULY 12
Note: CREDIT FOR ONLY ONE OF THE FOLLOWING MAY BE APPLIED TOWARD GRADUATION: GEN 260, GEN/BIOL 313/301 AND 311/301, GEN/BIOL 320
9472005 1 MTWRF 8:40-9:40 MEETS: MAY 20-JULY 12

ECOLOGY (CONTINUED)

UNDERGRAD SEMINAR
BIOL 495 1-3 CREDITS
Prereq: 8 CREDITS IN BIOLOGY, INSTRUCTOR PERMISSION
9464005 1 MTWRF 9:50-11:05 TR 12:10-3:10 MEETS: MAY 20-JULY 12
Note: Instructor permission required

BIOLOGY INTERNSHIP
BIOL 494 1-3 CREDITS
Prereq: PERMISSION OF SUPERVISING STAFF
Note: Course delivery is WWW

UG TEACHING EXPERIENCE
BIOL 491 1-2 CREDITS
Prereq: PERMISSION OF SUPERVISING STAFF
Satisfactory-Fail Only
******** SEE DEPT FOR REFERENCE NUMBERS

BIOLOGY INTERNSHIP
BIOL 494 1-3 CREDITS
Prereq: 8 CREDITS IN BIOLOGY, INSTRUCTOR PERMISSION
Note: Instructor permission required
******** SEE DEPT FOR REFERENCE NUMBERS

UNDERGRAD SEMINAR
BIOL 495 1-3 CREDITS
Prereq: 15 CREDITS IN BIOLOGICAL SCIENCE, PERMISSION OF INSTRUCTOR
Satisfactory-Fail Only
******** SEE DEPT FOR REFERENCE NUMBERS

COOPERATIVE EDUCATION
BIOL 498 R CREDIT
Prereq: PERMISSION OF THE DEPARTMENT COOPERATIVE EDUCATION COORDINATOR, JUNIOR CLASSIFICATION
4546005 ARRANGED MEETS: MAY 20-AUG 9

BIOMEDICAL SCIENCES

INDEPENDENT STUDY
BMS 490 1-5 CREDITS
******** SEE DEPT FOR REFERENCE NUMBERS

INDEPENDENT STUDY HONORS
BMS 490H 1-5 CREDITS
Prereq: INSTR PERMISSION, HONORS PROGRAM MEMBERSHIP
Note: Course restricted to honors program students only
******** SEE DEPT FOR REFERENCE NUMBERS
RES MTBD BIOMED SCI  B M S 501  3 CREDITS  
Prereq: GRADUATE CLASSIFICATION, PERMISSION OF A  
B M S FACULTY MEMBER  6978005  ARRANGED  
MEETS: MAY 20-AUG 9  
INTRO DNA TECHNIQS  B M S 542A  1 CREDIT  
Prereq: GRADUATE CLASSIFICATION  
Satisfactory-Fail Only. 7133005  1 MTRF 1:00-2:00  
MTRF 2:00-4:00  MEETS: JUNE 17-JULY 2  
INTRO PROTEIN TECHNQ  B M S 542B  1 CREDIT  
Prereq: GRADUATE CLASSIFICATION  
Satisfactory-Fail Only. 7134005  1 MTRF 1:00-2:00  
MTRF 2:00-4:00  MEETS: JULY 15-30  
SPCL TOPICS ANATOMY  B M S 590A  1- 7 CREDITS  
Prereq: PERMISSION OF INSTRUCTOR  
******  SEE DEPT FOR REFERENCE NUMBERS  
SPL TOPIC 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 TOPIC 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 20-JULY 12  
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 PHARMACOL  B M S 699C  VAR. CREDITS  
******  SEE DEPT FOR REFERENCE NUMBERS  
RESEARCH CELL BIOL  B M S 699D  VAR. CREDITS  
******  SEE DEPT FOR REFERENCE NUMBERS  
SPL TOP K-12 SCI ED  BR C 590K  2- 4 CREDITS  
9571005  1 ARRANGED  
MEETS: JUNE 12-JULY 26  
Note: SECTION 1 OFFERED FOR 4 CREDITS. TOPIC: THE  
RESEARCH EXPERIENCES FOR TEACHERS PROGRAM.  
9571010  2 ARRANGED  
MEETS: JULY 8-26  
Note: SECTION 2 IS OFFERED FOR 2 CREDITS. TOPIC:  
THE SUMMER ACADEMY FOR MIDDLE SCHOOL TEACHERS.  
9571015  3 ARRANGED  
MEETS: MAY 20-AUG 9  
SPL TOP K-12 SCI ED  BR C 590K  2- 4 CREDITS  
9571005  1 ARRANGED  
MEETS: JUNE 12-JULY 26  
Note: SECTION 1 OFFERED FOR 4 CREDITS. TOPIC: THE  
RESEARCH EXPERIENCES FOR TEACHERS PROGRAM.  
9571010  2 ARRANGED  
MEETS: JULY 8-26  
Note: SECTION 2 IS OFFERED FOR 2 CREDITS. TOPIC:  
THE SUMMER ACADEMY FOR MIDDLE SCHOOL TEACHERS.  
9571015  3 ARRANGED  
MEETS: MAY 20-AUG 9
CHEMICAL ENGINEERING

COOPERATIVE EDUC CH E 298 R CREDIT Prereq: PERMISSION OF DEPARTMENT AND ENGINEERING CAREER SERVICES See dept for reference numbers

CHEMICAL ENGR LAB I CHEM 325 2 CREDITS Prereq: CHEM 357, CREDIT OR ENROLLMENT IN CH E 381 OR PERMISSION OF INSTRUCTOR Note: Meetings international perspectives regmt Instructor permission required 1st week.

FOREIGN STUDY PROG CHEM 391 4 CREDITS Prereq: CREDIT FOR GRADUATION FOR 391 ALLOWABLE ONLY UPON COMPLETION OF CHEM 392

SUMMER INTERNSHIP CHEM 396 R CREDIT Prereq: PERMISSION OF DEPARTMENT EACH TIME TAKEN See dept for reference numbers

COOPERATIVE EDUC CHEM 298 R CREDIT Prereq: CHEM 298, PERMISSION OF DEPARTMENT AND ENGINEERING CAREER SERVICES See dept for reference numbers

CHEMICAL ENGR LAB II CHEM 426 2 CREDITS Prereq: CHEM 325, CHEM 358, CHEM 382

ENGINEER INTERNSHIP CHEM 697 R CREDIT Prereq: PERMISSION OF MAJOR PROF, GRAD CLASSIF See dept for reference numbers

RESEARCH CHEM 699 VARI. CREDITS See dept for reference numbers

CHEMISTRY

COLLEGE CHEM PREP CHEM 50 0 CREDITS Note: CREDIT FOR CHEM 50 DOES NOT APPLY TOWARD GRADUATION. DEVELOPMENTAL MATH FEE APPLIES. SEE FEES INFO AT HTTP://WWW.PUBLIC.IASTATE.EDU/~REGISTRAR/FEES/DFEE.HTM

COLLEGE CHEMISTRY I CHEM 163 4 CREDITS Prereq: 1 YR H.S. ALGEBRA AND EITHER CHEM 50 OR 1 YR H.S. CHEMISTRY; AND CREDIT OR ENROLLMENT IN 163L

GENERAL CHEM LAB I CHEM 163L 1 CREDIT Prereq: CREDIT OR ENROLLMENT FOR CREDIT IN CHEM 163

UG RESrch/IND STUDY CHEM 490 1-6 CREDITS Prereq: PERMISSION OF DEPARTMENT Note: NO MORE THAN 6 CREDITS OF CHEM 490 MAY BE APPLIED TOWARD GRADUATION AS TECHNICAL ELECTIVES See dept for reference numbers

INDEPENDENT STUDY CHEM 490H 1-6 CREDITS Prereq: MEMBERSHIP IN THE HONORS PROGRAM Note: COURSE RESTRICTED TO HONORS PROGRAM STUDENTS ONLY See dept for reference numbers

SP TOP ADV CNTL THY CHEM 595B 2-3 CREDITS Prereq: PERMISSION OF INSTRUCTOR Note: COURSE ONLY OFFERED FOR 3 CREDITS SUMMER 2013

INDEPENDENT STUDY CHEM 692 2-6 CREDITS See dept for reference numbers

ENGINEER INTERNSHIP CHEM 697 R CREDIT Prereq: PERMISSION OF MAJOR PROF, GRAD CLASSIF See dept for reference numbers

RESEARCH CHEM 699 VARI. CREDITS See dept for reference numbers
CHEMISTRY (CONTINUED)

GENERAL CHEMISTRY I CHEM 177 4 CREDITS
Prereq: MATH 140 OR H.S. EQUIVALENT, CHEM 50 OR
1 TR H.S. CHEM OR ENROLLMENT IN CHEM 177.
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 161, CHEM 167, CHEM 177, CHEM 201

2495005 A1 MTWR 9:10-10:50
TR 11:00-12:00
MEETS: MAY 20-JULY 12
Section info: http://avogadro.chem.iastate.edu
/chem177/
Syllabus: http://avogadro.chem.iastate.edu/chem177
/syllabus.html

2495010 A2 MTWR 9:50-10:50
TR 11:00-12:00
MEETS: MAY 20-JULY 12
Section info: http://avogadro.chem.iastate.edu
/chem177/
Syllabus: http://avogadro.chem.iastate.edu/chem177
/syllabus.html

2495015 A3 MTWR 9:50-10:50
TR 11:00-12:00
MEETS: MAY 20-JULY 12
Section info: http://avogadro.chem.iastate.edu
/chem177/
Syllabus: http://avogadro.chem.iastate.edu/chem177
/syllabus.html

2495020 A4 MTWR 9:50-10:50
TR 11:00-12:00
MEETS: MAY 20-JULY 12
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 161L, CHEM 167L, CHEM 177L, CHEM 201L.

2496005 1 MW 12:00-1:00
MEETS: MAY 20-JULY 12
Section info: http://avogadro.chem.iastate.edu
/chem177l/
Syllabus: http://avogadro.chem.iastate.edu/chem177l
/syllabus.html

2496010 2 MW 11:00-12:00
MEETS: MAY 20-JULY 12
Section info: http://avogadro.chem.iastate.edu
/chem177l/
Syllabus: http://avogadro.chem.iastate.edu/chem177l
/syllabus.html

2496015 3 TR 12:10-3:10
MEETS: MAY 20-JULY 12
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 20-JULY 12
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: TESTS NOT AVAILABLE TO STUDENTS ALSO REGISTERED
IN CHEM 178.

2499005 1 MTWR 11:00-12:00
F 11:00-12:00
MEETS: MAY 20-JULY 12
Section info: http://avogadro.chem.iastate.edu
/chem178/
Syllabus: http://avogadro.chem.iastate.edu/chem178
/syllabus.html

2499010 2 MTWR 11:00-12:00
F 11:00-12:00
MEETS: MAY 20-JULY 12
Section info: http://avogadro.chem.iastate.edu
/chem178/
Syllabus: http://avogadro.chem.iastate.edu/chem178
/syllabus.html

2499015 3 MTWR 11:00-12:00
F 11:00-12:00
MEETS: MAY 20-JULY 12
Section info: http://avogadro.chem.iastate.edu
/chem178/
Syllabus: http://avogadro.chem.iastate.edu/chem178
/syllabus.html

CHEMISTRY (CONTINUED)

LAB GENERAL CHEM II CHEM 178L 1 CREDIT
Prereq: CHEM 177L AND CREDIT OR ENROLLMENT IN CHEM 178.

2500005 1 TR 12:10-3:10
MEETS: MAY 20-JULY 12
Note: Materials and equipment use fee $80.00
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 20-JULY 12
Note: Materials and equipment use fee $80.00
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 20-JULY 12
Note: Materials and equipment use fee $80.00
Section info: http://avogadro.chem.iastate.edu
/chem178l/
Syllabus: http://avogadro.chem.iastate.edu/chem178l
/syllabus.html

ELEM ORGANIC CHEM CHEM 231 3 CREDITS
Prereq: 163, 163L, OR 177, 177L; CR OR ENR IN 231L
Note: CREDIT FOR EITHER CHEM 231 OR BBMB 221, BUT NOT
BOTH, MAY BE APPLIED TOWARD GRADUATION.
CREDIT FOR EITHER CHEM 231 (AND 231L) OR CHEM 331 (AND 331L),
BUT NOT BOTH, MAY BE APPLIED TOWARD GRADUATION.

2504005 MTWR 8:40-9:40
MEETS: MAY 20-JULY 12
Section info: http://avogadro.chem.iastate.edu
/chem231l/syllabus.html

ELEM ORGNC CHEM LAB CHEM 231L 1 CREDIT
Prereq: CREDIT OR ENROLLMENT FOR CREDIT IN CHEM 231,
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 20-JULY 12
Note: Materials and equipment use fee $80.00
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 20-JULY 12
Note: Materials and equipment use fee $80.00
Section info: http://avogadro.chem.iastate.edu
/chem231l/
Syllabus: http://avogadro.chem.iastate.edu/chem231l
/syllabus.html

FRESHMAN RESEARCH CHEM 299 VAR. CREDITS
Prereq: PERMISSION OF STAFF MEMBER WITH WEM
STUDENT PROPOSES TO WORK
****** SEE DEPT FOR REFERENCE NUMBERS

ORGANIC CHEMISTRY I CHEM 331 3 CREDITS
Prereq: CHEM 178 OR CHEM 231L, ENROLLMENT IN CHEM
331L HIGHLY RECOMMENDED
Note: CREDIT FOR EITHER CHEM 331 (AND 331L) OR
CHEM 231 (AND 231L), BUT NOT BOTH, MAY BE APPLIED
TOWARD GRADUATION
Available for nonmajor graduate credit

2516005 MTWR 8:40-9:40
MEETS: MAY 20-JULY 12
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
331, CHEM 177L
Note: CREDIT FOR EITHER CHEM 331L OR CHEM 231L,
BUT NOT BOTH, MAY BE APPLIED TOWARD GRADUATION

5270005 1 MW 9:50-12:50
MEETS: MAY 20-JULY 12
Note: Materials and equipment use fee $90.00
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 20-JULY 12
Note: Materials and equipment use fee $90.00
Section info: http://avogadro.chem.iastate.edu
/chem331l/
Syllabus: http://avogadro.chem.iastate.edu/chem331l
/syllabus.html
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<th>SECTION</th>
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CIVIL ENGINEERING (CONTINUED)

ENGINEER INTERNSHIP C E 697 R CREDIT
Prereq: PERMISSION OF COOP ADVISER, GRADUATE CLASSIFICATION, and permission of Department Chair. Satisfactory-Fail Only.
7416005 ARRANGED MEETS: MAY 20-AUG 9

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

CLASSICAL STUDIES

STUDY ABROAD GREECE CL ST 395 2-6 CREDITS
Prereq: 394
Note: PERMISSION OF INSTRUCTOR REQUIRED TO ADD. MEETS: MAY 20-JUNE 1
M 5120800 GR ARRANGED 500 M
Note: SEC 2 THOUGHT IN GREECE; PALAIGNIA AMONG THE KAYOVS.
A M 2590005 2 MTWRF 12:10-1:10 MEETS: JULY 15-AUG 9
INDEPENDENT STUDY CL ST 490 1-6 CREDITS
Prereq: 7 CR IN CL ST AT 200 LEVEL OR HIGHER; PERMISSION OF INSTRUCTOR AND DEPARTMENT CHAIR ON REQUIRED FORM.
COMMUNICATION STUDIES

INTRO COMMUNIC STDI COMST 101 3 CREDITS
7918005 MTHR 2:30-4:30 MEETS: MAY 20-JUNE 14
INTRO INTERPRS COMM COMST 102 3 CREDITS
8105005 1 MTHR 9:00-11:50 MEETS: MAY 20-JUNE 7
HUMAN COMMUNIC THRY COMST 301 3 CREDITS
6593005 MTHR 12:10-2:10 MEETS: MAY 20-JUNE 14
INTERCULTURAL COMM COMST 310 3 CREDITS
Prereq: COMST 101, 102, 203, 201, 301
Note: MEETS INTERNATIONAL REGNUMS.
7934005 1 MTHR 8:40-10:40 MEETS: MAY 20-JUNE 14
GENDER & COMMUNICTN COMST 323 3 CREDITS
Prereq: COMST 101, 102, 203, 201, 301
Note: MEETS INTERNATIONAL REGNUMS.
3339005 A MTHR 12:10-2:10 MEETS: MAY 20-JUNE 14
3339010 B MTHR 9:50-12:00 MEETS: JUNE 17-JULY 12

COMMUNITY & REGIONAL PLANNING

PRACTICUM C R P 330 1-3 CREDITS
Prereq: MAJOR IN COMMUNITY AND REGIONAL PLANNING.
2386005 ARRANGED MEETS: MAY 20-AUG 9
PRO WORK EXPERIENCE C R P 410 1-3 CREDIT
Prereq: PERMISSION OF DEPARTMENT CHAIR.
2710005 ARRANGED MEETS: MAY 20-AUG 9
COMMUNITY & REGIONAL PLANNING (CONTINUED)

RESEARCH
C R P 699 VAR. CREDITS
Note: Instructor permission required.
Satisfactory-Fail Only.
********
SEE DEPT FOR REFERENCE NUMBERS

COMPUTER ENGINEERING

DIG LOGIC/PROCESSOR I CPR E 281 4 CREDITS
Prereq: SOPHOMORE CLASSIFICATION
7321005 A MTWRF 9:50-10:50
TR 2:30-3:30
MEETS: MAY 20-JULY 12
7321010 B MTWRF 9:50-10:50
MW 2:30-5:30
MEETS: MAY 20-JULY 12

EMBEDDE SYS I:INTRO CPR E 288 4 CREDITS
Prereq: 281, COM S 207 OR 227
3364005 A MTWRF 8:40-9:40
TR 12:10-1:10
MEETS: MAY 20-JULY 12
3364010 B MTWRF 8:40-9:40
MW 12:10-2:10
MEETS: MAY 20-JULY 12

COOPERATIVE EDUCATN 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

COOPERATIVE EDUCATN CPR E 398 R CREDIT
Prereq: 286, PERMISSION OF DEPARTMENT AND ENGINEERING CAREER SERVICES
********
SEE DEPT FOR REFERENCE NUMBERS

INDEPENDENT STUDY CPR E 490 VAR. CREDITS
Note: Department permission required 1st week.
********
SEE DEPT FOR REFERENCE NUMBERS

HONORS INDEP STUDY CPR E 490H VAR. CREDITS
Note: Course restricted to honors program students only
Department permission required 1st week.
********
SEE DEPT FOR REFERENCE NUMBERS

COOPERATIVE EDUCATN CPR E 498 R CREDIT
Prereq: SENIOR CLASSIFICATION IN COMPUTER ENGR
********
SEE DEPT FOR REFERENCE NUMBERS

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

ENGINEERING INTERNSHIP CPR E 697 R CREDIT
Satisfactory-Fail Only.
7420005 ARRANGED
MEETS: MAY 20-AUG 9
Note: Department permission required.

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

COMPUTER SCIENCE

COMPUTER APPLICATIONS COM S 103 4 CREDITS
2673005 1 ARRANGED
CHANG S
MEETS: JUNE 17-AUG 9
Note: Course delivery is WWW
2673010 2 ARRANGED
CHANG S
MEETS: JUNE 17-AUG 9
Note: Course delivery is WWW
Section info: http://www.cs.iastate.edu/~cs103w
2673015 3 ARRANGED
CHANG S
MEETS: JUNE 17-AUG 9
Note: Course delivery is WWW
Section info: http://www.cs.iastate.edu/~cs103w

APP COMPUTER PROGRAM COM S 107 3 CREDITS
2674005 A ARRANGED
XIAO L
MEETS: MAY 20-JULY 12
Note: Course delivery is WWW

FUND CPRTR PROGRAMMING COM S 207 3 CREDITS
Prereq: MATH 150 OR PLACEMENT INTO MATH 140/141/142 OR HIGHER
Note: Credit for either COM S 207 or COM S 227, but not both, may be applied toward graduation.
9235005 A MTWRF 11:00-12:00
ATUKORALA N
TR 1:20-2:20
MEETS: MAY 20-JULY 12

INTRO DATA STRUCTURES COM S 228 3 CREDITS
Prereq: C- OR BETTER IN DH 227, CREDIT OR ENROLLMENT IN MATH 165
9238005 A MTWRF 11:00-12:00
CASE A
MW 2:30-3:30
MEETS: MAY 20-JULY 12

INDEPENDENT STUDY COM S 290 VAR. CREDITS
Prereq: PERMISSION OF INSTRUCTOR
Note: Instructor permission required 1st week.
Satisfactory-Fail Only.
2680005 ARRANGED
MEETS: MAY 20-AUG 9

DSN ANALYSIS ALGORITHMS COM S 311 3 CREDITS
Note: Available for nonmajors graduate credit

INDEPENDENT STUDY COM S 490 VAR. CREDITS
Note: No more than 9 credits of COM S 490 may be applied toward graduation
Instructor permission required 1st week.
********
SEE DEPT FOR REFERENCE NUMBERS

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

INDEPENDENT STUDY COM S 599 1-3 CREDITS
Satisfactory-Fail Only.
********
SEE DEPT FOR REFERENCE NUMBERS

SEMINAR COM S 610 VAR. CREDITS
Satisfactory-Fail Only.
********
SEE DEPT FOR REFERENCE NUMBERS

RESEARCH COM S 699 VAR. CREDITS
Prereq: APPROVAL OF INSTRUCTOR
Note: Instructor permission required 1st week.
********
SEE DEPT FOR REFERENCE NUMBERS

CONSTRUCTION ENGINEERING

COOPERATIVE EDUCATION CON E 298 R CREDIT
Prereq: PERMISSION OF DEPARTMENT AND ENGINEERING CAREER SERVICES
Satisfactory-Fail Only.
********
SEE DEPT FOR REFERENCE NUMBERS

ENGINEERING LAW CON E 380 3 CREDITS
Prereq: JUNIOR CLASSIFICATION
Note: Available for nonmajor graduate credit
5102005 1 MTWRF 9:50-10:50
MEETS: MAY 20-JULY 12

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

COOPERATIVE EDUCATION CON E 398 R CREDIT
Prereq: 286, PERMISSION OF DEPARTMENT AND ENGINEERING CAREER SERVICES
Satisfactory-Fail Only.
********
SEE DEPT FOR REFERENCE NUMBERS

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

COOPERATIVE EDUCAT CON E 498 R CREDIT
Prereq: 398, PERMISSION OF DEPT AND ENGINEERING CAREER SERVICES CLASSIFICATION.
Satisfactory-Fail Only.

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

CRIMINAL JUSTICE STUDIES

PHILOSOPHY OF LAW CJ ST 332 3 CREDITS
Preq: PHIL 201 OR 210
Note: Available for nonmajor graduate credit.
Instructor permission required 1st week.

2578005 A MTWR 8:10-10:40 MEETS: MAY 20-JUNE 14
CRIM & JUV JUST PRAC CJ ST 460 3-12 CREDITS
Preq: 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 SOCIOLOGY MAJORS.

Satisfactory-Fail Only.

2581005 A ARRANGED MEETS: MAY 20-AUG 9

CURRICULUM & INSTRUCTION

PK-6 CLSRM TECNOLOGI C I 201 3 CREDITS
3015005 1 MTWR 8:40-10:40 TR 8:40-10:40 MEETS: JUNE 10-AUG 2
Note: Materials and equipment use fee $25.00

SOC FOUND U.S. EDUC C I 204 3 CREDITS
6278005 A MTNR 9:50-12:00 MEETS: MAY 20-JUNE 20

RDG&LANG ARTS K-3RD C I 377 4 CREDITS
Preq: C I 245, SP ED 250, HD FS 240, HD FS 226 (EL ED MAJORS) OR 221 (ECI MAJORS); CONCURRENT ENR IN 448, 468A, 468C (EL ED) OR 438, 468F, 468G, 468C, 468A, 468B, 368, HD FS 343 (ECI), ENROLLMENT BY TECHNICAL PROGRAM, TAKE CONCURRENTLY WITH 468, 448, 468C.

2066005 1 MTNR 8:45-12:25 MEETS: MAY 13-JUNE 6
RDG&LANG ARTS 4TH-6 C I 378 4 CREDITS
Preq: 377; CONCURRENT ENR MT 449, 468A, 468D; RESTRICTED TO STUDENTS WITH FULL ADMISSION TO THE UNIVERSITY TEACHER EDUCATION PROGRAM.

2078005 1 MTNR 8:00-11:40 MEETS: MAY 13-JUNE 6

INTRO MLTCULTURAL FND C I 406 3 CREDITS
Preq: 201 OR 202, 332 OR 333, JUNIOR CLASSIFICATION, ADMISSION TO TEACHER EDUC PROGRAM
Note: RESTRICTED TO STUDENTS WITH FULL ADMISSION TO THE UNIVERSITY TEACHER EDUCATION PROGRAM

6292005 1 MTWR 3:00-5:20 MEETS: MAY 20-JUNE 14

PRINCIPLES SECNDY ED C I 426 3 CREDITS
Preq: 202, SR CLASSIFICATION, ADMISSION TO TEACHER EDUCATION PROGRAM
Note: RESTRICTED TO STUDENTS WITH FULL ADMISSION TO THE UNIVERSITY TEACHER EDUCATION PROGRAM

6293005 1 MTWR 1:20-3:40 MEETS: MAY 20-JUNE 21

TCHG OF SOC STUDIES C I 443 3 CREDITS
Preq: 377 Note: COURSE RESTRICTED TO EL ED, ECE MAJORS ONLY

Department permission required 1st week.

3258005 1 MTWR 9:00-11:30 MEETS: JULY 8-AUG 1

TCHNG CHILDREN MATH C I 448 3 CREDITS
Preq: MATH 195, 196, CONCURRENT ENROLLMENT IN 448, 468A, 468G Note: COURSE RESTRICTED TO EL ED MAJORS ONLY. MUST BE TAKEN CONCURRENTLY WITH 468C, 377, 468A.

Department permission required 1st week.

3260005 1 MTWR 1:10-3:30 MEETS: MAY 13-JUNE 7

CURRICULUM & INSTRUCTION (CONTINUED)

TEACHING OF SCIENCE C I 449 3 CREDITS
Preq: 377, CONCURRENT ENROLLMENT IN 378, 468B, 468D, JUNIOR CLASSIFICATION; RESTRICTED TO EL ED MAJORS ONLY. MUST BE TAKEN CONCURRENTLY WITH 468D, 377, 468A.

Department permission required 1st week.

3261005 1 MTWRF 12:10-2:30 MEETS: MAY 13-JUNE 7

EMERG TOPC DGTL LRM C I 454 1-3 CREDITS
Note: COURSE ONLY OFFERED FOR 1 CREDIT SUMMER 2013
9436005 1 ARRANGED MEETS: JUNE 10-21

RDG&LANGUAG TCHNOL C I 456 3 CREDITS
Preq: 201 OR 202, 377
Note: Department permission required 1st week.

3257005 1 MTWRF 8:00-12:00 MEETS: MAY 17-JUL 5

PRA PRIMY RDGLANG C I 468A 1 CREDIT
Preq: 245, 250, 268; ADMISSION TO TEACHER ED PROGRAM; RESTRICTED TO EL ED MAJORS WITH FULL ADMISSION TO THE UNIVERSITY TEACHER EDUCATION PROGRAM. TAKE CONCURRENTLY WITH 378, 448, 468C.

Department permission required 1st week.

3265005 1 MTWRF 7:30-12:30 MEETS: JUNE 7-JULY 5
Note: Professional support, field trips &/or travel fee $52.00

PRA RDGLANG INTRMD C I 468B 1 CREDIT
Preq: 245, 250, 268; ADMISSION TO TEACHER ED PROGRAM; RESTRICTED TO EL ED MAJORS WITH FULL ADMISSION TO THE UNIVERSITY TEACHER EDUCATION PROGRAM. TAKE CONCURRENTLY WITH 378, 448, 468C.

Department permission required 1st week.

3266005 1 MTWRF 7:30-12:30 MEETS: JUNE 7-JULY 5
Note: Professional support, field trips &/or travel fee $52.00

TCHG PRACTICUM MATH C I 468C 1 CREDIT
Preq: 245, 250, 268; ADMISSION TO TEACHER ED PROGRAM; RESTRICTED TO EL ED MAJORS WITH FULL ADMISSION TO THE UNIVERSITY TEACHER EDUCATION PROGRAM. MUST BE TAKEN CONCURRENTLY WITH 448, 468A, 377

Department permission required 1st week.

3267005 1 MTWRF 7:30-12:30 MEETS: JUNE 7-JULY 5
Note: Professional support, field trips &/or travel fee $52.00

TCHNG PRACTICUM SCI C I 468D 1 CREDIT
Preq: 245, 250, 268; ADMISSION TO TEACHER ED PROGRAM; RESTRICTED TO EL ED MAJORS WITH FULL ADMISSION TO THE UNIVERSITY TEACHER EDUCATION PROGRAM.

3268005 1 MTWRF 7:30-12:30 MEETS: JUNE 7-JULY 5 Note: Professional support, field trips &/or travel fee $52.00

PRACT READNG ENDORS C I 468R 1 CREDIT
Preq: PERMISSION OF DEPT; CONCURRENT ENR IN 378 ADMISSION TO TEACHER EDUC PROGRAM

3270005 1 MTWRF 7:30-12:30 MEETS: JUNE 7-JULY 5
Note: Professional support, field trips &/or travel fee $52.00

INDEP STU MUSIC ED C I 490A VAR. CREDITS
Preq: GPA OF 2.5 OR MORE FOR PRECEDING SEMESTER
Note: Instructor permission required 1st week.

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

INDEP STU PRIN EDUC C I 490D 1-3 CREDITS
Preq: GPA OF 2.5 OR MORE FOR PRECEDING SEMESTER

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

IND STY MTHD TCHG C I 490E 1-3 CREDITS
Preq: GPA OF 2.5 OR MORE FOR PRECEDING SEMESTER

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

IND STY EDUC PSYCH C I 490F 1-3 CREDITS
Preq: GPA OF 2.5 OR MORE FOR PRECEDING SEMESTER

******* SEE DEPT FOR REFERENCE NUMBERS
MEETS: JULY 8-12 5622005     MTWRF 8:30-11:30
Prereq: C I 201 OR C I 202
TECHNLGY FOR TEACHR   C I   570       2 CREDITS
MEETS: MAY 17-31
Prereq: TEACHING LICENSE
TCHNOL IN READ&LANG   C I   556       3 CREDITS
ARRANGED
9148005   1 MTWRF 9:00-12:00
Prereq: GRADUATE STANDING
LITRACY, LDRSHIP, ADV   C I   555       3 CREDITS
Note: THE ARRANGED TIME REPRESENTS ONE HOUR PER DAY
TCHNOL IN READ&LANG   C I   556       3 CREDITS
Note: THE ARRANGED TIME REPRESENTS ONE HOUR PER DAY WWW
TECHNLGY FOR TEACHERS   C I   570       2 CREDITS
Prereq: C I 201 OR C I 202
ADVANCED SPCL CURRICULUM C I 590A  1-3 CREDITS
1ST SS 2013
DESIGN REPRESENTATN  DSN S 131  4 CREDITS
Note: COURSE RESTRICTED TO COLLEGE OF DESIGN MAJORS
Instructor permission required 1st week.

2124005  MTWR 1:10-2:00
MTWR 2:10-3:00
MTWR 3:10-4:00
MTWR 4:10-5:00
MEETS: MAY 20-JULY 12

INTDISCPL DSGN WKSP  DSN S 350X  3 CREDITS
Fprereq: JUNIOR STANDING AND/OR PERMISSION OF INSTRUCTOR

9440800  IT ARRANGED  CUNNALLY J
MEETS: MAY 13-31
Note: SEC IT TAUGHT IN ROME, ITALY. COLLEGE OF DESIGN SUMMER ROME PROGRAM. STUDY ABROAD SUMMER 2013.
Study Abroad Administrative Fee Applies

9440805  T2 ARRANGED  JONES B
MEETS: JULY 8-26
Note: SEC T2 TAUGHT IN ROME, ITALY. COLLEGE OF DESIGN SUMMER ROME PROGRAM. STUDY ABROAD SUMMER 2013.
Study Abroad Administrative Fee Applies

9440810  T3 ARRANGED  MARTIN M
MEETS: MAY 13-31
Note: SEC T3 TAUGHT IN ROME, ITALY. COLLEGE OF DESIGN SUMMER ROME PROGRAM. STUDY ABROAD SUMMER 2013.
Study Abroad Administrative Fee Applies

9440815  T4 ARRANGED  MILLER M
MEETS: JUNE 10-28
Note: SEC T4 TAUGHT IN ROME, ITALY. COLLEGE OF DESIGN SUMMER ROME PROGRAM. STUDY ABROAD SUMMER 2013.
Study Abroad Administrative Fee Applies

9440820  T5 ARRANGED  NAEGELE D
MEETS: MAY 13-31
Note: SEC T5 TAUGHT IN ROME, ITALY. COLLEGE OF DESIGN SUMMER ROME PROGRAM. STUDY ABROAD SUMMER 2013.
Study Abroad Administrative Fee Applies

9440825  T6 ARRANGED  ROGERS C
MEETS: JULY 8-26
Note: SEC T6 TAUGHT IN ROME, ITALY. COLLEGE OF DESIGN SUMMER ROME PROGRAM. STUDY ABROAD SUMMER 2013.
Study Abroad Administrative Fee Applies

9440830  T7 ARRANGED  STREETER P
MEETS: JUNE 10-28
Note: Study Abroad Administrative Fee Applies

INDEP STDY CMUNICAT  DSN S 490C  1- 4 CREDITS
Fprereq: WRITTEN APPROVAL OF INSTRUCTOR AND DEPT
Chair on Req'd Form prior to semester of enrollment

INDEP STUDY DESIGN  DSN S 490D  1- 4 CREDITS
Fprereq: WRITTEN APPROVAL OF INSTRUCTOR AND DEPT
Chair on Req'd Form prior to semester of enrollment

INDEP STDY ENTREPREN  DSN S 490E  1- 4 CREDITS
Fprereq: WRITTEN APPROVAL OF INSTRUCTOR AND DEPT
Chair on Req'd Form prior to semester of enrollment

INDEP STDY SOC/BEHV  DSN S 490F  1- 4 CREDITS
Fprereq: WRITTEN APPROVAL OF INSTRUCTOR AND DEPT
Chair on Req'd Form prior to semester of enrollment

INTERDIS DSN STUDIO  DSN S 546  4- 6 CREDITS
Fprereq: GRADUATE OR SENIOR STANDING IN THE COLLEGE OF DESIGN AND PERMISSION OF INSTRUCTOR
Note: Course only offered for 4 credits SUMMER 2013

2878005  1 MTWR 1:20-5:20
MEETS: MAY 20-JULY 12
Note: SECTION 1 TOPIC: GHOST LANDS

INTDISCPL DSGN WKSP  DSN S 550X  3 CREDITS
Fprereq: GRAD STANDING IN THE COLLEGE OF DESIGN,
PERMISSION OF INSTRUCTOR

9581800  IT ARRANGED  BURKESI P
MEETS: JUNE 10-28
Note: SEC IT TAUGHT IN ROME, ITALY. COLLEGE OF DESIGN SUMMER ROME PROGRAM. STUDY ABROAD SUMMER 2013.
Study Abroad Administrative Fee Applies

9581805  12 ARRANGED  CRAWFORD J
MEETS: JUNE 10-28
Note: SEC IT TAUGHT IN ROME, ITALY. COLLEGE OF DESIGN SUMMER ROME PROGRAM. STUDY ABROAD SUMMER 2013.
Study Abroad Administrative Fee Applies

9581810  13 ARRANGED  LESLIE T
MEETS: MAY 13-31
Note: SEC IT TAUGHT IN ROME, ITALY. COLLEGE OF DESIGN SUMMER ROME PROGRAM. STUDY ABROAD SUMMER 2013.
Study Abroad Administrative Fee Applies

9581815  14 ARRANGED  SUBASINGHE C
MEETS: JULY 8-26
Note: SEC IT TAUGHT IN ROME, ITALY. COLLEGE OF DESIGN SUMMER ROME PROGRAM. STUDY ABROAD

CURRICULUM & INSTRUCTION (CONTINUED)

ADV TOP LITERACY ED  C I  690M V AR. CREDITS
Fprereq: 9 GRADUATE CREDITS IN EDUCATION

RES MULTICULTUR ED  C I  699F V AR. CREDITS
Fprereq: 9 GRADUATE CREDITS IN EDUCATION

DANCE

INDEPENDENT STUDY  DANCE 490  1- 3 CREDITS
Fprereq: 6 CR IN DANCE, PERMISSION OF COORDINATOR

Note: Instructor permission required 1st week.

INDEPENDENT STUDY  DANCE 490H  1- 3 CREDITS
Fprereq: 6 CR IN DANCE, PERMISSION OF COORDINATOR, MEMBERSHIP IN UNIVERSITY HONORS PROGRAM

Note: Instructor permission required 1st week.

DESIGN

DESIGN STUDIO I  DSN S 102, DSN S 131

4959005  1 TTh 8:40-12:00
MEETS: MAY 20-JULY 12

DESIGN STUDIO II  DSN S 202

4968005  1 TTh 8:40-12:00
MEETS: MAY 20-JULY 12
**ECONOMICS**

**PRINC MICROECONOMICS** ECON 101 3 CREDITS

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


**ECONOMICS (continued)**

**PRINC MACROECONOMICS** ECON 102 3 CREDITS

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


**ECONOMICS (continued)**

**INTERMED MICROECON** ECON 301 3-4 CREDITS

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


**ECONOMICS**

**INDEPENDENT STUDY** ECON 490 1-5 CREDITS

Note: Permission of Lakeside Lab Office required

**ECONOMICS**

**RESEARCH** ECON 699 VAR. CREDITS

Note: Tuition Category: Iowa Lakeside Lab

**ECONOMICS**

**CREATIVE COMPONENT** ECON 599 1-5 CREDITS

Note: Permission of Lakeside Lab Office required

**ECONOMICS**

**ADVANCED TOPICS** ECON 690 1-5 CREDITS

Note: Tuition Category: Iowa Lakeside Lab

**EDUCATIONAL ADMINISTRATION**

**ADV SPECIAL TOPICS** - EADM 690 1-3 CREDITS

Note: Permission of Lakeside Lab Office required

**EDUCATIONAL ADMINISTRATION**

**DISSEMINATION RESEARCH** EADM 699 VAR. CREDITS

Note: Permission of Lakeside Lab Office required

**EDUCATIONAL LEADERSHIP & POLICY ST**

**CRITICAL RACE THEORY** EPL 616 3 CREDITS

Note: Permission of Lakeside Lab Office required

**EDUCATIONAL LEADERSHIP & POLICY ST**

**SPECIAL TOPICS** EEE 590 1-3 CREDITS

Note: Permission of Lakeside Lab Office required

**EDUCATIONAL LEADERSHIP & POLICY ST**

**DESCRIPTIVE STATISTICS** EPL 620 3 CREDITS

Note: Permission of Lakeside Lab Office required

**EDUCATIONAL LEADERSHIP & POLICY ST**

**DESCRIPTIVE STATISTICS** EPL 620 3 CREDITS

Note: Permission of Lakeside Lab Office required

**EDUCATIONAL LEADERSHIP & POLICY ST**

**DESCRIPTIVE STATISTICS** EPL 620 3 CREDITS

Note: Permission of Lakeside Lab Office required

**EDUCATIONAL LEADERSHIP & POLICY ST**

**DESCRIPTIVE STATISTICS** EPL 620 3 CREDITS

Note: Permission of Lakeside Lab Office required

**EDUCATIONAL LEADERSHIP & POLICY ST**
ELECTRICAL ENGINEERING

ELECTRIC CIRCUITS E E 201 4 CREDITS
Prereq: CR OR REGISTRATN IN MATH 267 AND PHYS 222
Note: BOTH E E 201 OR E E 442, BUT NOT BOTH, MAY BE APPLIED TOWARD GRADUATION
2120005 1 MTWRF 1:20-2:20
MW 2:30-4:30
MEETS: MAY 20-JULY 12

ELECTRON CIRCTS & SYS E E 230 4 CREDITS
Prereq: E E 201, MATH 267, PHYS 222
4639005 1 MTWRF 11:00-12:00
MW 8:00-11:00
MEETS: MAY 20-JULY 12
4639010 2 MTWRF 11:00-12:00
TR 8:00-11:00
MEETS: MAY 20-JULY 12

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

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

COORDINATE EDUC E E 398 R CREDIT
Prereq: E E 298, PERMISSION OF DEPARTMENT AND ENGINEERING CAREER SERVICES
****** SEE DEPT FOR REFERENCE NUMBERS

MOCROELEC FABRICATN E E 432 4 CREDITS
Prereq: PHYS 222, MATH 267, E E 332 OR MAT E 334 RECOMMENDED.
Note: Available for nonmajor graduate credit
9222005 1 ARRANGED
MEETS: JUNE 17-AUG 9

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

INDEP STUDY HONORS E E 490H VAR. CREDITS
Prereq: SENIOR CLASSIFICATION IN ELECTRICAL ENGR.
Note: COURSE RESTRICTED TO HONORS PROGRAM STUDENTS ONLY.
INSTRUCTOR PERMISSION REQUIRED 1ST WEEK.
****** SEE DEPT FOR REFERENCE NUMBERS

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

MICROELEC FABRIC TCHQ E E 532 4 CREDITS
Prereq: PHYS 222, MATH 265, E E 332 OR MAT E 331
RECOMMENDED
8880005 1 ARRANGED
MEETS: JUNE 17-AUG 9

SPL TOP ELEC MAG THY E E 590A 1-6 CREDITS
****** SEE DEPT FOR REFERENCE NUMBERS

SPL TOP CONTROL SYS E E 590B 1-6 CREDITS
****** SEE DEPT FOR REFERENCE NUMBERS

SPL TOP COMM SYS E E 590C 1-6 CREDITS
****** SEE DEPT FOR REFERENCE NUMBERS

SPL TOP COMPR ENGR E E 590E 1-6 CREDITS
****** SEE DEPT FOR REFERENCE NUMBERS

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

SPL TOP ELECT MATRLS E E 590G 1-6 CREDITS
****** SEE DEPT FOR REFERENCE NUMBERS

SP TOP EL DEVICACIR E E 590H 1-6 CREDITS
****** SEE DEPT FOR REFERENCE NUMBERS

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

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

ENGINEER INTERNSHIP E E 697 R CREDIT
MEETS: MAY 20-AUG 9
Note: Department permission required.

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

ENGINEERING

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

PROFSSNL INTERNSHIP ENGR 397 R CREDIT
Prereq: PERMISSION OF ADVISER AND ENGINEERING CAREER SERVICES
Satisfactory-Fail Only.
****** SEE DEPT FOR REFERENCE NUMBERS

ENGINEERING MECHANICS

STATICS OF ENGINEER E M 274 3 CREDITS
Prereq: CREDIT OR ENROLLMENT IN MATH 166; CREDIT OR ENROLLMENT IN PHYS 111 OR PHYS 221
3004005 1 MTWRF 8:40-9:40
MEETS: MAY 20-JULY 12

MECHAN 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 20-JULY 12

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 8:40-10:40
MEETS: MAY 20-JULY 12
3008010 2 TR 8:40-10:40
MEETS: JUNE 25-AUG 8
Note: SECTION 2 RESTRICTED TO C E MAJORS NEW TO ISU SUMMER 2013
3008015 3 TR 2:30-4:30
MEETS: JUNE 25-AUG 8
Note: SECTION 3 RESTRICTED TO C E MAJORS NEW TO ISU SUMMER 2013

DYNAMICS E M 345 3 CREDITS
Prereq: E M 274, CR OR ENROLLMENT IN MATH 266 OR MATH 267
Note: COURSE RESTRICTED TO ENGR COLLEGE MAJORS ONLY.
3010005 1 MTWRF 8:40-9:40
MEETS: MAY 20-JULY 12

MECHANICS OF FLUIDS E M 378 3 CREDITS
Prereq: E M 274
Note: AVAILABLE FOR NONMAJOR GRADUATE CREDIT
3013005 1 MTWRF 7:30-8:30
MEETS: MAY 20-JULY 12

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

SPL TOP CThin FLMS E M 590H 1-4 CREDITS
Prereq: PERMISSION OF INSTRUCTOR
Note: Instructor permission required.
****** SEE DEPT FOR REFERENCE NUMBERS

SPL TOP Celulr MDIA E M 590I 1-4 CREDITS
Prereq: PERMISSION OF INSTRUCTOR
Note: Instructor permission required.
****** SEE DEPT FOR REFERENCE NUMBERS

SPL TOP CThin FLMS E M 590J 1-4 CREDITS
Prereq: PERMISSION OF INSTRUCTOR
Note: Instructor permission required.
****** SEE DEPT FOR REFERENCE NUMBERS

SPL TOP CThin FLMS E M 590K 1-4 CREDITS
Prereq: PERMISSION OF INSTRUCTOR
Note: Instructor permission required.
****** SEE DEPT FOR REFERENCE NUMBERS

SPL TOP CThin FLMS E M 590L 1-4 CREDITS
Prereq: PERMISSION OF INSTRUCTOR
Note: Instructor permission required.
****** SEE DEPT FOR REFERENCE NUMBERS

SPL TOP CThin FLMS E M 590M 1-4 CREDITS
Prereq: PERMISSION OF INSTRUCTOR
Note: Instructor permission required.
****** SEE DEPT FOR REFERENCE NUMBERS

SPL TOP CThin FLMS E M 590N 1-4 CREDITS
Prereq: PERMISSION OF INSTRUCTOR
Note: Instructor permission required.
****** SEE DEPT FOR REFERENCE NUMBERS

SPL TOP CThin FLMS E M 590O 1-4 CREDITS
Prereq: PERMISSION OF INSTRUCTOR
Note: Instructor permission required.
****** SEE DEPT FOR REFERENCE NUMBERS

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

SPL TOP ADV EXP MTH E M 690N 1-6 CREDITS
Prereq: PERMISSION OF INSTRUCTOR
Note: Instructor permission required.
****** SEE DEPT FOR REFERENCE NUMBERS

SPL TOP ADV WAV PROP E M 690O 1-6 CREDITS
Prereq: PERMISSION OF INSTRUCTOR
Note: Instructor permission required.
****** SEE DEPT FOR REFERENCE NUMBERS
SPL TOP ADV MATERLS E M 690P 1-6 CREDITS
Prereq: Permission of Instructor
Note: Instructor permission required.
****** SEE DEPT FOR REFERENCE NUMBERS

SP TOP ADV COMP MTH E M 690Q 1-6 CREDITS
Prereq: Permission of Instructor
Note: Instructor permission required.
****** SEE DEPT FOR REFERENCE NUMBERS

SPL TOP RELIAB&FAIL E M 690R 1-6 CREDITS
Prereq: Permission of Instructor
Note: Instructor permission required.
****** SEE DEPT FOR REFERENCE NUMBERS

SPECIAL TOPICS E M 690S 1-6 CREDITS
Prereq: Permission of Instructor
Note: Instructor permission required.
****** SEE DEPT FOR REFERENCE NUMBERS

ENGINEER INTERNSHIP E M 697 R CREDIT
Prereq: Permission of Instructor
Note: Instructor permission required.

8134005 ARRANGED MEETS: MAY 20-AUG 9

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

ENGLISH

INTENSIVE ENGLISH ENGL 10 0 CREDITS
Prereq: Recommendation of the English department
Note: Process approved add slip in 10 enrollment services center
Department permission required.
****** SEE DEPT FOR REFERENCE NUMBERS

INTENSIVE ENGLISH ENGL 10B 0 CREDITS
Note: Department permission required.
Note: Satisfactory-Fail Only.
****** SEE DEPT FOR REFERENCE NUMBERS

INTENSIVE ENGLISH ENGL 10C 0 CREDITS
Note: Department permission required.
Note: Satisfactory-Fail Only.
****** SEE DEPT FOR REFERENCE NUMBERS

ENGLISH NONNATIV II ENGL 101D 3 CREDITS
Prereq: Recommendation of English Dept.; Placement in various sections determined by examination
Note: Course restricted to graduate students only.
Note: ENGL 101D does not apply toward graduation.
3296005 1 MTWF 8:40-9:40 MEETS: JUNE 17-AUG 9

CRITCL THINK&MUNIC ENGL 150 3 CREDITS
Prereq: Credit or enrollment in Lib 160
Note: Some sections will be taught in a computer lab.
3298005 A MTWF 8:40-9:40 MEETS: JUNE 17-AUG 9
3298015 B MTWF 9:50-10:50 MEETS: JUNE 17-AUG 9
3298025 C MTWF 11:00-12:00 MEETS: JUNE 17-AUG 9
3298030 D MTWF 9:50-10:50 MEETS: MAY 20-JULY 12

POPULR CULTUR ANALY ENGL 205 3 CREDITS
Prereq: Credit in or exemption from ENGL 150
Note: Satisfactory-Fail Only.
3305005 A MTWF 9:50-10:50 MEETS: MAY 20-JULY 12

WRIT,ORAL,EL COMPOS ENGL 250 3 CREDITS
Prereq: ENGL 150 or exemption from ENGL 150; Credit for or concurrent enrollment in Lib 160
Note: Some sections will be taught in a computer lab.
3299005 A MTWF 9:50-10:50 MEETS: MAY 20-JULY 12
3299010 B MTWF 9:50-10:50 MEETS: JUNE 17-AUG 9
3299015 C MTWF 11:00-12:00 MEETS: JUNE 17-AUG 9
3299020 D MTWF 8:40-9:40 MEETS: JUNE 17-AUG 9
3299030 E MTWF 9:50-10:50 MEETS: JUNE 17-AUG 9

BUSINESS COMMUNIC ENGL 302 3 CREDITS
Prereq: ENGL 250, Junior Classification
Note: Course not open to freshmen and sophomores.
Note: Some sections will be taught in a computer lab.
3314005 1 MTWF 8:40-9:40 MEETS: MAY 20-JULY 12
3314010 2 MTWF 8:40-9:40 MEETS: MAY 20-JULY 12
3314015 3 MTWF 9:50-10:50 MEETS: MAY 20-JULY 12
3314020 4 MTWF 9:50-10:50 MEETS: MAY 20-JULY 12
3314025 5 MTWF 9:50-10:50 MEETS: MAY 20-JULY 12
3314030 6 MTWF 11:00-12:00 MEETS: MAY 20-JULY 12

BUSINESS COMMUNIC ENGL 302 3 CREDITS
Prereq: ENGL 250, Junior Classification
Note: Course not open to freshmen and sophomores.
Note: Some sections will be taught in a computer lab.
3314005 1 MTWF 8:40-9:40 MEETS: MAY 20-JULY 12
3314010 2 MTWF 8:40-9:40 MEETS: MAY 20-JULY 12
3314015 3 MTWF 9:50-10:50 MEETS: MAY 20-JULY 12
3314020 4 MTWF 9:50-10:50 MEETS: MAY 20-JULY 12
3314025 5 MTWF 9:50-10:50 MEETS: MAY 20-JULY 12
3314030 6 MTWF 11:00-12:00 MEETS: MAY 20-JULY 12

BUSINESS COMMUNIC ENGL 302 3 CREDITS
Prereq: ENGL 250, Junior Classification
Note: Course not open to freshmen and sophomores.
Note: Some sections will be taught in a computer lab.
3314005 1 MTWF 8:40-9:40 MEETS: MAY 20-JULY 12
3314010 2 MTWF 8:40-9:40 MEETS: MAY 20-JULY 12
3314015 3 MTWF 9:50-10:50 MEETS: MAY 20-JULY 12
3314020 4 MTWF 9:50-10:50 MEETS: MAY 20-JULY 12
3314025 5 MTWF 9:50-10:50 MEETS: MAY 20-JULY 12
3314030 6 MTWF 11:00-12:00 MEETS: MAY 20-JULY 12

CREAT WRITING NON-F ENGL 305 3 CREDITS
Prereq: ENGL 250, NOT OPEN TO FRESHMEN AND SOPHOMORES
Note: Course restricted to sophomores and above.
3317005 A MTWF 9:50-10:50 MEETS: JUNE 17-AUG 9

REPT&PROPosal WRITING ENGL 309 3 CREDITS
Prereq: ENGL 250, Junior Classification
8089005 A1 MTWF 9:50-10:50 MEETS: MAY 20-JULY 12
Note: Section A1 restricted to ENGL, Tcomm juniors and seniors only
8089010 A2 MTWF 9:50-10:50 MEETS: MAY 20-JULY 12
Note: Section A2 restricted to juniors and seniors only

TECHNICAL COMMUNCTN ENGL 314 3 CREDITS
Prereq: ENGL 250, Junior Classification
Note: Course restricted to juniors and above.
Note: Some sections will be taught in a computer lab.
3356005 1 MTWF 8:40-9:40 MEETS: MAY 20-JULY 12
3356010 2 MTWF 9:50-10:50 MEETS: MAY 20-JULY 12
3356015 3 MTWF 11:00-12:00 MEETS: MAY 20-JULY 12
3356020 4 MTWF 12:10-1:10 MEETS: MAY 20-JULY 12
3356025 5 MTWF 9:50-10:50 MEETS: JUNE 17-AUG 9
3356030 6 MTWF 11:00-12:00 MEETS: JUNE 17-AUG 9
3356035 7 TR 6:10-7:10 MEETS: JUNE 17-AUG 9

STUDIES IN FILM ENGL 335 3 CREDITS
Prereq: ENGL 250
Note: Available for nonmajor graduate credit.
3322005 A1 MTWRF 1:20-5:00 MEETS: MAY 20-JUNE 14
Note: Materials fee $25.00

STUDY&TRAVEL CRTV WR ENGL 395B VAR. CREDITS
Prereq: Permission of Instructor
Note: Meets international perspectives reqmt
5085800 IE ARRANGED PEET'S MEETING MEETS: AUG 16-JUNE 8
Note: Sec IE Ireland: Dublin, Sligo, Doolin, Dingle.
Note: On the road in ireland: a traveling writer's workshop. study abroad summer 2013
Study abroad administrative fee applies

INTERN BUS,PRO COMM ENGL 487 1-3 CREDITS
Prereq: Junior classification; permission of Coordinator; 9 CR in ENGL beyond ENGL 250 appropriate to the sector taken, JR classification, permission of undergraduate studies committee
Note: No more than 9 credits of ENGL 490 may be applied toward graduation.
Note: Instructor permission required.
****** SEE DEPT FOR REFERENCE NUMBERS

IND STU LINGUISTICS ENGL 490B VAR. CREDITS
Prereq: 9 CR in ENGL beyond ENGL 250 appropriate to the sector taken, JR classification, permission of undergraduate studies committee
Note: No more than 9 credits of ENGL 490 may be applied toward graduation.
Note: Instructor permission required.
****** SEE DEPT FOR REFERENCE NUMBERS
ENTOMOLOGY (CONTINUED)

SPL TOPIC MOLECULAR ENT 590G 1-3 CREDITS
PreReq: 15 CREDITS IN BIOLOGICAL SCIENCES
******** SEE DEPT FOR REFERENCE NUMBERS

SPL TOP TCHNG EXPR ENT 590K 1-3 CREDITS
PreReq: 15 CREDITS IN BIOLOGICAL SCIENCES
******** SEE DEPT FOR REFERENCE NUMBERS

SP TOP EXTENS INTRN ENT 590L 1-3 CREDITS
PreReq: 15 CREDITS IN BIOLOGICAL SCIENCES
******** SEE DEPT FOR REFERENCE NUMBERS

SP TOP IMMATUR INS ENT 590M 1-3 CREDITS
PreReq: 15 CREDITS IN BIOLOGICAL SCIENCES
******** SEE DEPT FOR REFERENCE NUMBERS

SP TOP POPUL GENET ENT 590N 1-3 CREDITS
PreReq: 15 CREDITS IN BIOLOGICAL SCIENCES
******** SEE DEPT FOR REFERENCE NUMBERS

SEMENAR ENT 600 1 CREDIT
5345005 A M 3:30-4:50
MEETS: MAY 20-AUG 9
Section info: http://www.ent.iastate.edu/dept/courses/

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

ENVIRONMENTAL SCIENCE

ECOLOGY ENSCI 312 4 CREDITS
PreReq: BIOL 211L and BIOL 212L
4996005 A MTHR 9:50-11:05
MW 12:10-3:00
MEETS: MAY 20-JULY 12
Note: Materials, field trips & travel fee $62.00
4996010 B MTHR 9:50-11:05
TR 12:10-3:00
MEETS: MAY 20-JULY 12
Note: Materials, field trips & travel fee $62.00

ECOLOGY ENSCI 312I 4 CREDITS
Note: Permission of Lakeside Lab Office required
http://www.continuetolearn.uiowa.edu/lakesidelab
5038005 1 MTHR 8:00-9:50
MEETS: MAY 20-JUNE 14
Note: Tuition Category: Iowa Lakeside Lab

INTERNSHIP ENVI SCI ENSCI 390 VAR. CREDITS
PreReq: APPROVAL OF THE ENVIR SCIENCE COORDINATOR
Satisfactory-Fail Only.
******** SEE DEPT FOR REFERENCE NUMBERS

APPRENTICESHIP ENSCI 391 VAR. CREDITS
PreReq: APPROVAL OF THE ENVIR SCIENCE COORDINATOR
Note: Permission of coordinator required.
Satisfactory-Fail Only.
******** SEE DEPT FOR REFERENCE NUMBERS

FLD MTHD HYDROGEOLOG ENSCI 409 3 CREDITS
PreReq: MATH 402 OR MATH 411 OR C E 473
3081005 MTHR 8:00-9:50 SIMPKINS W
MEETS: MAY 13-24
Note: Equipment use and field trips & travel fee $200.00

PRAIRIE ECOLOGY ENSCI 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
5041005 MTHR 8:00-9:50
MEETS: JUNE 17-JULY 12
Note: Tuition Category: Iowa Lakeside Lab

INDEPENDENT STUDY ENSCI 490 VAR. CREDITS
PreReq: INSTRUCTOR PERMISSION, APPROVAL OF ENVIRONMENTAL SCIENCE COORDINATOR
******** SEE DEPT FOR REFERENCE NUMBERS

AQUATIC ECOLOGY ENSCI 508I 4 CREDITS
PreReq: COURSES IN ECOLOGY, CHEMISTRY AND PHYSICS
Note: Permission of Lakeside Lab Office required
http://www.continuetolearn.uiowa.edu/lakesidelab
5043005 MTHR 8:00-9:50
MEETS: MAY 20-JUNE 14
Note: Tuition Category: Iowa Lakeside Lab

FLD MTHD HYDROGEOLOG ENSCI 509 3 CREDITS
PreReq: MATH 402 OR MATH 411 OR C E 473
3095005 MTHR 8:00-9:50 SIMPKINS W
MEETS: MAY 13-24
Note: Equipment use and field trips & travel fee $200.00

ENVIRONMENTAL SCIENCE (CONTINUED)

SPECIAL TOPICS ENSCI 590 VAR. CREDITS
PreReq: PERMISSION OF MAJOR PROF IN ENVIRONMENTAL SCIENCE FACULTY
******** SEE DEPT FOR REFERENCE NUMBERS

CREATIVE COMPONENT ENSCI 599 VAR. CREDITS
PreReq: PERMISSION OF MAJOR PROF IN ENVIRONMENTAL SCIENCE FACULTY
******** SEE DEPT FOR REFERENCE NUMBERS

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

ENVIRONMENTAL STUDIES

ENVIRONMNTL BIOLOGY ENV S 173 3 CREDITS
2022005 A ARRANGED
MEETS: MAY 20-AUG 9
Note: Course delivery is WWW
Section info: http://www.elo.iastate.edu/biology-courses-information/

ENVIRON PLT & POLICLI ENV S 383 3 CREDITS
PreReq: SOPHOMORE CLASSIFICATION
7581010 A MTHR 8:00-10:00
MEETS: MAY 20-JUNE 28

INTERNSHIP ENVR STDI ENV S 390 VAR. CREDITS
PreReq: PERMISSION OF INSTRUCTOR AND APPROVAL OF ENV S COORDINATOR
Satisfactory-Fail Only.
******** SEE DEPT FOR REFERENCE NUMBERS

INDEPENDENT STUDY ENV S 490 VAR. CREDITS
PreReq: PERMISSION OF INSTRUCTOR AND APPROVAL OF ANY S COORDINATOR
Satisfactory-Fail Only.
******** SEE DEPT FOR REFERENCE NUMBERS

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

FAMILY & CONSUMER SCIENCES ED & STUDIES

INDEPENDENT STUDY FCEDS 490G VAR. CREDITS
PreReq: DEPARTMENTAL ADVISEMENT
******** SEE DEPT FOR REFERENCE NUMBERS

SHRT CRSE OCCUPA ED FCEDS 500F 1-3 CREDITS
PreReq: 6 CREDITS IN FCS OR EDUCATION
Note: Course only offered for 3 CREDITS SUMMER 2013
4556005 1 ARRANGED
MEETS: JUNE 17-AUG 9
Note: Course delivery is WWW

INDEP STUDY GENERAL FCEDS 599 VAR. CREDITS
PreReq: DEPARTMENTAL ADVISEMENT
******** SEE DEPT FOR REFERENCE NUMBERS

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

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 MTHR 12:10-2:10
MEETS: MAY 20-JUNE 14
Note: Section A1 RESTRICTED TO ACCT, AG B, AN S, BUS S, BUS U, BUSEC, DY S, FIN, SOC, LSCM, MGMT, MIS, MKT, OSCM, P BUS, SCIS, SCM

PRINCIPAL OF FINANCE FIN 301 3 CREDITS
PreReq: ACCT 284, ECON 101, STAT 226
Note: COURSE NOT OPEN TO P BUS MAJORS
3689005 A1 MTHR 12:10-2:10
MEETS: MAY 20-JUNE 14
Note: Section A1 RESTRICTED TO ACCT, AG B, AN S, BUS S, BUS U, BUSEC, DY S, FIN, SOC, LSCM, MGMT, MIS, MKT, OSCM, P BUS, SCIS, SCM
FOOD SCIENCE & HUMAN NUTRITION (CONTINUED)

INTR PROTEIN TECHNQ FS HN 542B 1 CREDIT
Prereq: GRADUATE CLASSIFICATION Satisfactory-Fail Only.
7124005 1 MTWF 1:00-2:00
MTWF 2:00-4:00
MWTTH 15-30

SPCL TOPICS NUTRIT FS HN 590A 1-3 CREDITS
Prereq: INSTRUCTOR PERMISSION
****** SEE DEPT FOR REFERENCE NUMBERS

SP TOPICS FOOD SCI FS HN 590B 1-3 CREDITS
Prereq: INSTRUCTOR PERMISSION
****** SEE DEPT FOR REFERENCE NUMBERS

SPCL TOPICS TEACHING FS HN 590C 1-3 CREDITS
Prereq: PERMISSION OF INSTRUCTOR
****** SEE DEPT FOR REFERENCE NUMBERS

CREATIVE COMPONENT FS HN 599 VAR. CREDITS
3213005 CC ARRANGED
MEETS: MAY 20-AUG 9
3213006 DB ARRANGED
MEETS: MAY 20-AUG 9
3213028 JH ARRANGED
MEETS: MAY 20-AUG 9
3213038 KS ARRANGED
MEETS: MAY 20-AUG 9
3213041 LL ARRANGED
MEETS: MAY 20-AUG 9
3213047 MR ARRANGED
MEETS: MAY 20-AUG 9
3213045 MT ARRANGED
MEETS: MAY 20-AUG 9
3213057 RL ARRANGED
MEETS: MAY 20-AUG 9
3213054 RM ARRANGED
MEETS: MAY 20-AUG 9
3213068 SF ARRANGED
MEETS: MAY 20-AUG 9
3213070 SH ARRANGED
MEETS: MAY 20-AUG 9
3213074 SP ARRANGED
MEETS: MAY 20-AUG 9
3213090 WW ARRANGED
MEETS: MAY 20-AUG 9

SEMİNAR FS HN 681 1 CREDIT
3648005 ARRANGED
MEETS: MAY 20-AUG 9

SPECIAL PROBLEMS FS HN 690 VAR. CREDITS
Prereq: FS HN 502 OR FS HN 503 OR FS HN 504 OR FS HN 553 OR FS HN 554
****** SEE DEPT FOR REFERENCE NUMBERS

RSCH FOOD SCI&TEC FS HN 699 VAR. CREDITS
Satisfactory-Fail Only.
****** SEE DEPT FOR REFERENCE NUMBERS

FORESTRY

SP PROB LEADERSHIP FOR 290A 1-4 CREDITS
Prereq: FRESH & SOPH CLASS, INSTRUCTOR PERMISSION
****** SEE DEPT FOR REFERENCE NUMBERS

SP PROB ECOSYS MGT FOR 290B 1-4 CREDITS
Prereq: FRESH or SOPH CLASS, INSTRUCTOR PERMISSION
****** SEE DEPT FOR REFERENCE NUMBERS

SP PRB RESRC CNSV FOR 290C 1-4 CREDITS
Prereq: FRESH or SOPH CLASS, INSTRUCTOR PERMISSION
****** SEE DEPT FOR REFERENCE NUMBERS

SP PROB URB&COMMUN FOR 290D 1-4 CREDITS
Prereq: FRESH or SOPH CLASS, INSTRUCTOR PERMISSION
****** SEE DEPT FOR REFERENCE NUMBERS

SP PROB WOOD SCIEN FOR 290E 1-4 CREDITS
Prereq: FRESH or SOPH CLASS, INSTRUCTOR PERMISSION
****** SEE DEPT FOR REFERENCE NUMBERS

CR COMP FOR BIOLOGY FOR 599A 1-12 CREDITS
Note: Instructor permission required 1st week.
****** SEE DEPT FOR REFERENCE NUMBERS

CR COMP FOR BIOMETRY FOR 599B 1-12 CREDITS
Note: Instructor permission required 1st week.
****** SEE DEPT FOR REFERENCE NUMBERS

CR COMP FO&REC ECON FOR 599C 1-12 CREDITS
Note: Instructor permission required 1st week.
****** SEE DEPT FOR REFERENCE NUMBERS

FOREST BIOLYG RSCH FOR 699A 1-12 CREDITS
****** SEE DEPT FOR REFERENCE NUMBERS

FOREST MGT&ADMIN RSCH FOR 699B 1-12 CREDITS
Note: Instructor permission required 1st week.
****** SEE DEPT FOR REFERENCE NUMBERS

RSCH PLANT PHYSIOL FOR 699F 1-12 CREDITS
****** SEE DEPT FOR REFERENCE NUMBERS

FRENCH

ELEMENTARY FRENCH I FRNCH 101 4 CREDITS
3803005 1 MTWRF 8:40-11:40
MEETS: MAY 20-JUNE 14
Note: Materials and equipment use fee $25.00

ELEMENTARY FRENCH II FRNCH 102 4 CREDITS
Prereq: FRNCH 101
3804005 1 MTWRF 8:40-11:40
MEETS: JUNE 17-JULY 12
Note: Materials and equipment use fee $25.00

STUDY ABROAD FRNCH 395 1-10 CREDITS
Prereq: 2 YEARS UNIVERSITY-LEVEL FRENCH
3820005 RG ARRANGED
MEETS: MAY 26-JULY 6
Note: SECTION RG IS REGENTS EXCHANGE PROGRAM IN LYON, FRANCE
Tuition Category: Regents Summer Study Abroad

INDEPENDENT STUDY FRNCH 490 1-6 CREDITS
Prereq: PERMISSION OF FRENCH STAFF AND DEPT CHAIR
Note: NO MORE THAN 9 CREDITS IN FRNCH 490 MAY BE APPLIED TOWARD GRADUATION
Permission of department chair required.
****** SEE DEPT FOR REFERENCE NUMBERS

GENETICS

PRINCIP OF GENETICS GEN 313 3 CREDITS
Prereq: BIOL 211 & BIOL 212L, CREDIT OR
ENROLLMENT IN ORGANIC CHEMISTRY
Note: CREDIT FOR ONLY ONE OF THE FOLLOWING MAY BE APPLIED TOWARD GRADUATION: GEN 260, GEN/BIOL 313/301
SOPH OR JUNIOR
3959005 1 MTWRF 8:40-9:40
MEETS: MAY 20-JULY 12

GENETICS RESEARCH GEN 490H 1-5 CREDITS
Prereq: GEN 313, JR/SR CLASSIFICATION, PERMISSION
OF INSTRUCTOR. MEMBERSHIP IN UNIVERSITY HONORS PROGRAM.
****** SEE DEPT FOR REFERENCE NUMBERS

GENETICS RESEARCH GEN 490R 1-5 CREDITS
Prereq: GEN 313, JR/SR CLASSIFICATION, PERMISSION
OF INSTRUCTOR.
Note: AG COLLEGE STUDENTS MAY APPLY NO MORE THAN
6 CREDITS OF GEN 490 TOWARD THE TOTAL OF 12 CREDITS
REQUIRED FOR GRADUATION. STUDENTS IN THE LAS COLLEGE
MAY APPLY NO MORE THAN 9 CREDITS OF GEN 490 TOWARD
GRADUATION.
Satisfactory-Fail Only.
****** SEE DEPT FOR REFERENCE NUMBERS
GENETICS (CONTINUED)

LAB TCHG EXPERIENCE GEN 490U 1 – 2 CREDITS
Prereq: GEN 313, JR/SR CLASSIFICATION, PERMISSION OF INSTRUCTOR
Note: AG COLLEGE STUDENTS MAY APPLY NO MORE THAN
6 CREDITS OF GEN 490 TOWARD THE TOTAL OF 128 CREDITS
REQUIRED FOR GRADUATION. STUDENTS IN THE LAS COLLEGE
MAY APPLY NO MORE THAN 9 CREDITS OF GEN 490 TOWARD
GRADUATION.
Satisfactory-Fail Only.
******* SEE DEPT FOR REFERENCE NUMBERS

GENETICS - INTERDISCIPLINARY

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

GRAD RESEARCH ROTAT GENET 697 VAR. CREDITS
9316005 ARRANGED MEETS: MAY 20-AUG 9

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

GENETICS, DEVELOPMENT & CELL BIOL

INTRO DNA TECHNIQS GDCB 542A 1 CREDIT
Prereq: GRADUATE CLASSIFICATION
Satisfactory-Fail Only.
7089005 1 MTWRF 1:00-2:00 MTWR 2:00-4:00 MEETS: JUNE 17-JULY 2

INTR PROTEIN TECHNQ GDCB 542B 1 CREDIT
Prereq: GRADUATE CLASSIFICATION
Satisfactory-Fail Only.
7092005 1 MTWRF 1:00-2:00 MTWR 2:00-4:00 MEETS: JULY 15-30

SPECIAL TOPICS GDCB 590 VAR. CREDITS
Prereq: PERMISSION OF INSTRUCTOR
Note: COURSE ONLY OFFERED FOR 1-5 CREDITS SUMMER 2013
******* SEE DEPT FOR REFERENCE NUMBERS

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

RESEARCH - IA LI GDCB 699I 1- 4 CREDITS
Prereq: PERMISSION OF INSTRUCTOR
Note: Permission of Lakeside Lab Office required
http://www.continuetolearn.uiowa.edu/lakesidelab
3967005 1 ARRANGED MEETS: MAY 20-JUNE 14
Note: Tuition Category: Iowa Lakeside Lab
3967010 2 ARRANGED MEETS: JUNE 17-JULY 12
Note: Tuition Category: Iowa Lakeside Lab

GEOLOGY

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
3881005 1 ARRANGED JACOBSON C
MEETS: MAY 26-JULY 5
Note: Tuition Category: Camp fee

FLD METHD HYDROGEOLE GEOL 409 3 CREDITS
Prereq: GEOL 409 or ENSCI 402 or GEOL 411 or
ENSCI 411 or C E 473
7671005 MTWRF 8:00-5:00 SIMPKINS W
MEETS: MAY 13-24
Note: Equipment use and field trips & travel fee $200.00

INDEPENDENT STUDY GEOL 490 1 – 4 CREDITS
Prereq: 6 CR IN GEOLOGY & PERMISSION OF INSTRUCTOR
Note: NO MORE THAN 9 CREDITS OF GEOL 490 MAY BE
APPLIED TOWARD GRADUATION
******* SEE DEPT FOR REFERENCE NUMBERS

FLD METHD HYDROGEOLE GEOL 509 3 CREDITS
Prereq: GEOL 402 or ENSCI 402 or GEOL 411 or
ENSCI 411 or C E 473
9169005 MTWRF 8:00-5:00 SIMPKINS W
MEETS: MAY 13-24
Note: Equipment use and field trips & travel fee $200.00

GENEALOGY (CONTINUED)

SPL TOP SURFIC PROC GEOL 590A 1 – 3 CREDITS
Prereq: PERMISSION OF INSTRUCTOR
******* SEE DEPT FOR REFERENCE NUMBERS

SPL TOP STRATIGRAPH GEOL 590B 1 – 3 CREDITS
Prereq: PERMISSION OF INSTRUCTOR
******* SEE DEPT FOR REFERENCE NUMBERS

SPL TOP SEDIMENTATN GEOL 590C 1 – 3 CREDITS
Prereq: PERMISSION OF INSTRUCTOR
******* SEE DEPT FOR REFERENCE NUMBERS

SPL TOP PALEONTOLOGY GEOL 590D 1 – 3 CREDITS
Prereq: PERMISSION OF INSTRUCTOR
******* SEE DEPT FOR REFERENCE NUMBERS

SPL TOPS PETROLOGY GEOL 590E 1 – 3 CREDITS
Prereq: PERMISSION OF INSTRUCTOR
******* SEE DEPT FOR REFERENCE NUMBERS

SPL TOP CL STRUCTURAL GEOL 590F 1 – 3 CREDITS
Prereq: PERMISSION OF INSTRUCTOR
******* SEE DEPT FOR REFERENCE NUMBERS

SPL TOPICS GEOCHEM GEOL 590G 1 – 3 CREDITS
Prereq: PERMISSION OF INSTRUCTOR
******* SEE DEPT FOR REFERENCE NUMBERS

SPL TOPS HYDROGEOEOL GEOL 590H 1 – 3 CREDITS
Prereq: PERMISSION OF INSTRUCTOR
******* SEE DEPT FOR REFERENCE NUMBERS

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

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 ISOTP GCHEN GEOL 590O 1 – 3 CREDITS
Prereq: PERMISSION OF INSTRUCTOR
******* SEE DEPT FOR REFERENCE NUMBERS

SPL TOP COMPUTA&GIS GEOL 590P 1 – 3 CREDITS
Prereq: PERMISSION OF INSTRUCTOR
******* SEE DEPT FOR REFERENCE NUMBERS

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

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

RES SURFICIAL PROC GEOL 699A VAR. CREDITS
******* SEE DEPT FOR REFERENCE NUMBERS

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

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

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

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

RES STRUCTURAL GEOL GEOL 699F VAR. CREDITS
******* SEE DEPT FOR REFERENCE NUMBERS

RESCH GEOCHEMISTRY GEOL 699G VAR. CREDITS
******* SEE DEPT FOR REFERENCE NUMBERS

RESCH HYDROGEOLOGY GEOL 699H VAR. CREDITS
******* SEE DEPT FOR REFERENCE NUMBERS
GLOBAL RESOURCE SYSTEMS (CONTINUED)

INDEPENDENT STUDY GLOBE 490A 1–4 CREDITS
Prereq: INSTRUCTOR PERMISSION; APPROVAL BY THE GLOBAL RESOURCE SYSTEMS FACULTY COORDINATOR
********** SEE DEPT FOR REFERENCE NUMBERS

IND STdy ENTREPRENR GLOBE 490E 1–4 CREDITS
Prereq: INSTRUCTOR PERMISSION; APPROVAL BY THE GLOBAL RESOURCE SYSTEMS FACULTY COORDINATOR
Note: NO MORE THAN 4 CREDITS OF GLOBE 490 MAY BE APPLIED TOWARD GRADUATION

6905005 ARRANGED MEETS: MAY 20–AUG 9

INDEP STUDY HONORS GLOBE 490H 1–4 CREDITS
Prereq: INSTRUCTOR PERMISSION; APPROVAL BY THE GLOBAL RESOURCE SYSTEMS FACULTY COORDINATOR
Note: NO MORE THAN 4 CREDITS OF GLOBE 490 MAY BE APPLIED TOWARD GRADUATION

6817005 ARRANGED MEETS: MAY 20–AUG 9

SERVC LEARN DOMESTC GLOBE 494B VAR. CREDITS
9533005 ARRANGED MEETS: MAY 20–AUG 9

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 ARRANGED MEETS: MAY 20–AUG 9

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 ARRANGED MEETS: MAY 20–AUG 9

EXAMINATION ONLY GR ST 600 R CREDIT

3972005 ARRANGED MEETS: MAY 20–AUG 9

Note: Instructor permission required.

PRC TCHG PRACT GR ST 697 R CREDIT

6905005 ARRANGED MEETS: MAY 20–AUG 9

Note: THE REQUIRED APPROVAL SIGNATURE SHOULD BE OBTAINED IN 1137 PEARSON HALL
College permission required.

GRAPHIC DESIGN

GRPHC DSN METHODLG ARTGR 476 3 CREDITS
Prereq: CONCURRENT ENROLLMENT IN ARTGR 370, ARTGR 371, ARTGR 470 OR ARTGR 482

1889005 1 MWF 8:30–12:00 MEETS: MAY 20–JULY 12

GRPH DSN INTERNSHP ARTGR 480 3 CREDITS
Prereq: 377, 12 CR IN GRAPHIC DESIGN; INSTRUCTOR PERMISSION, REGISTRATION IN ADVANCE OF ENROLLMENT

7746005 A ARRANGED MEETS: MAY 20–AUG 9

Note: Instructor permission required.

IND ST THEORY, CRIT ARTGR 490A 1–6 CREDITS
Prereq: WRITTEN APPROVAL OF INSTR AND DEPT CHAIR
ON REQUIRED FORM IN ADVANCE OF SEMESTER OF ENROLLMENT
********** SEE DEPT FOR REFERENCE NUMBERS

IND STU COOP, INTERN ARTGR 490I 1–6 CREDITS
Prereq: WRITTEN APPROVAL OF INSTR AND DEPT CHAIR
ON REQUIRED FORM IN ADVANCE OF SEMESTER OF ENROLLMENT
Note: PERMISSION OF INSTRUCTOR REQUIRED TO ADD.
********** SEE DEPT FOR REFERENCE NUMBERS

GRPHC DSN MTHODLG ARTGR 576 3 CREDITS
Prereq: GRAD ENROLLMENT IN COLLEGE OF DESIGN

2058005 1 MWF 8:30–12:00 MEETS: MAY 20–JULY 12

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

GLOBAL RESOURCE SYSTEMS (CONTINUED)

INDEPENDENT STUDY GLOBE 490A 1–4 CREDITS
Prereq: INSTRUCTOR PERMISSION; APPROVAL BY THE GLOBAL RESOURCE SYSTEMS FACULTY COORDINATOR
********** SEE DEPT FOR REFERENCE NUMBERS

RES ISOTOPE GEOCHEM GEOL 699O VAR. CREDITS
RES PALEOECO&CLIMAT GEOL 699N VAR. CREDITS
RES RESEARCH MINERAL RESOURC GEOL 699J VAR. CREDITS
RES RESEARCH EARTH SCIENCE GEOL 699I VAR. CREDITS
********** SEE DEPT FOR REFERENCE NUMBERS

RES RESEARCH MTH&GIS GEOL 699P VAR. CREDITS
RES RES MINERAL RESOURC GEOL 699I VAR. CREDITS
********** SEE DEPT FOR REFERENCE NUMBERS

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

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

RES SURFC HYDROLOGY GEOL 699R VAR. CREDITS
********** SEE DEPT FOR REFERENCE NUMBERS

GLOBAL RESOURCE SYSTEMS

APPRENTICESHIP GLOBE 221 R CREDIT
Prereq: Satisfactory-Fail Only.
6652005 ARRANGED MEETS: MAY 20–AUG 9

INDEPENDENT STUDY GLOBE 290 1–2 CREDITS
Prereq: PERMISSION OF INSTRUCTOR, APPROVAL BY THE GLOBAL RESOURCE SYSTEMS FACULTY COORDINATOR

8851005 ARRANGED MEETS: MAY 20–AUG 9
Note: Instructor permission required.

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 322
MAY BE APPLIED TOWARD DEGREE REQUIREMENTS
********** SEE DEPT FOR REFERENCE NUMBERS

INTERNSHIP – U.S. 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 322
MAY BE APPLIED TOWARD DEGREE REQUIREMENTS

8684005 ARRANGED MEETS: MAY 20–AUG 9
Note: Instructor permission required.

SPL TOPCS THRY, CRIT ARTGR 590A VAR. CREDITS
Prereq: SENIOR CLASSIFICATION IN GLOBE

6799005 ARRANGED MEETS: MAY 20–AUG 9

GRAPHIC DESIGN

GRPHC DSN MTHODLG ARTGR 476 3 CREDITS
Prereq: CONCURRENT ENROLLMENT IN ARTGR 370, ARTGR 371, ARTGR 470 OR ARTGR 482

1889005 1 MWF 8:30–12:00 MEETS: MAY 20–JULY 12

GRPH DSN INTERNSHP ARTGR 480 3 CREDITS
Prereq: 377, 12 CR IN GRAPHIC DESIGN; INSTRUCTOR PERMISSION, REGISTRATION IN ADVANCE OF ENROLLMENT

7746005 A ARRANGED MEETS: MAY 20–AUG 9

Note: Instructor permission required.

IND ST THEORY, CRIT ARTGR 490A 1–6 CREDITS
Prereq: WRITTEN APPROVAL OF INSTR AND DEPT CHAIR
ON REQUIRED FORM IN ADVANCE OF SEMESTER OF ENROLLMENT
********** SEE DEPT FOR REFERENCE NUMBERS

IND STU COOP, INTERN ARTGR 490I 1–6 CREDITS
Prereq: WRITTEN APPROVAL OF INSTR AND DEPT CHAIR
ON REQUIRED FORM IN ADVANCE OF SEMESTER OF ENROLLMENT
Note: PERMISSION OF INSTRUCTOR REQUIRED TO ADD.
********** SEE DEPT FOR REFERENCE NUMBERS

GRPHC DSN MTHODLG ARTGR 576 3 CREDITS
Prereq: GRAD ENROLLMENT IN COLLEGE OF DESIGN

2058005 1 MWF 8:30–12:00 MEETS: MAY 20–JULY 12
SPL TOP 2-DIMEN DSN  ARTGR 590B VAR. CREDITS
Prereq: BACHELOR'S DEGREE IN GRAPHIC DESIGN, OR EVIDENCE OF SATISFACTORY EQUIVALENCY IN SPECIALIZED AREA. WRITTEN APPROVAL OF INSTRUCTOR AND DEPT CHAIR ON REQUIRED FORM IN ADVANCE OF SEMESTER OF ENROLLMT.
********
SPL TOP 3-DIMEN DSN  ARTGR 590C VAR. CREDITS
Prereq: BACHELOR'S DEGREE IN GRAPHIC DESIGN, OR EVIDENCE OF SATISFACTORY EQUIVALENCY IN SPECIALIZED AREA. WRITTEN APPROVAL OF INSTRUCTOR AND DEPT CHAIR ON REQUIRED FORM IN ADVANCE OF SEMESTER OF ENROLLMT.
********
CREATIVE COMPONENT  ARTGR 599 VAR. CREDITS
********
SEE DEPT FOR REFERENCE NUMBERS
ADVANCED TOPICS  ARTGR 690 VAR. CREDITS
Prereq: MFA 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  1 MTRF 7:30-9:40
MEETS: MAY 20-JUNE 14
Note: Materials and equipment use fee $50.00

PERS & CONSUMER HLTH  H S 110 3 CREDITS
4082005  1 MTRF 9:50-11:50
MEETS: MAY 20-JUNE 14

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 17-JULY 25

HUMAN DISEASES  H S 350 3 CREDITS
Prereq: H S 110 AND BIOL 255, BIOL 256
4089005  MTWR 9:50-11:30
MEETS: MAY 20-JUNE 28

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 17-JULY 25

FIELD EXPERIENCE  H S 485 1-16 CREDITS
Prereq: ALL REQUIRED H S COURSES, PERMISSION OF COORDINATOR
Note: Instructor permission required.
Satisfactory/Pass Only
4095005  ARRANGED
MEETS: MAY 20-AUG 9

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
HIGHER EDUC IN U.S.  HG ED 504 3 CREDITS
Prereq: GRADUATE CLASSIFICATION
4111005  MTWR 9:00-8:00PM
MEETS: MAY 20-JUNE 14

SPL TOP STDT SERVIC  HG ED 590A 1-4 CREDITS
Prereq: 9 CREDITS IN EDUCATION
********
SEE DEPT FOR REFERENCE NUMBERS

SPL TOP COMMUN COLL  HG ED 590B 1-4 CREDITS
Prereq: 9 CREDITS IN EDUCATION
********
SEE DEPT FOR REFERENCE NUMBERS

SPL TOP CURRENT ISS  HG ED 590C 1-4 CREDITS
Prereq: 9 CREDITS IN EDUCATION
********
SEE DEPT FOR REFERENCE NUMBERS

SPL TOP INTNL HG ED  HG ED 590D 1-4 CREDITS
Prereq: 9 CREDITS IN EDUCATION
********
SEE DEPT FOR REFERENCE NUMBERS

HIGHER EDUCATION (CONTINUED)
SP TOP FED & STAT AFF  HG ED 590E 1-4 CREDITS
Prereq: 9 CREDITS IN EDUCATION
********
SEE DEPT FOR REFERENCE NUMBERS

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

SUPV FIELD EXPERIENC  HG ED 591 1-4 CREDITS
Prereq: 9 CREDITS IN EDUCATION
********
SEE DEPT FOR REFERENCE NUMBERS

CREATIVE COMPONENT  HG ED 599 VAR. CREDITS
Prereq: 9 CREDITS IN EDUCATION
********
SEE DEPT FOR REFERENCE NUMBERS

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

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

HISTORICAL, PHILOSOPHICAL & COMP ED
STUDY FOUND AMER ED  H P C 504 3 CREDITS
Prereq: ADMISSION TO GRADUATE LICENSURE PROGRAM IN TEACHER EDUCATION OR PERMISSION OF INSTRUCTOR
2604010  1 MTRF 9:30-12:40
MEETS: JUNE 8-25

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

SPCL TOP PHIL OF ED  H P C 590B 1-5 CREDITS
Prereq: 9 CREDITS IN EDUCATION
********
SEE DEPT FOR REFERENCE NUMBERS

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

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

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

RESEARCH  H P C 699 VAR. CREDITS
Prereq: 9 CREDITS IN EDUCATION
********
SEE DEPT FOR REFERENCE NUMBERS

HISTORY
SURVEY U.S. HIST I  HIST 221 3 CREDITS
4155005  MTRF 1:20-2:20
MEETS: JUNE 17-AUG 9

ENGLAND 1525-1700  HIST 325 3 CREDITS
Prereq: HIST 108, HIST 109, HIST 110
4169005  MTRF 12:10-2:10
MEETS: MAY 20-JUNE 14

U.S. 1945-PRESENT  HIST 403 3 CREDITS
Prereq: HIST 302, HIST 303, HIST 304
Note: Course restricted to sophomores and above
4220005  MTRF 9:30-11:50
MEETS: MAY 20-JUNE 14

ROMAN CIVILIZATION  HIST 407 3 CREDITS
Prereq: HIST 302, HIST 303, HIST 304
Note: Course restricted to sophomores and above
4190005  MTRF 9:30-11:50
MEETS: JUNE 1-9

THE RURAL SOUTH  HIST 461 3 CREDITS
Prereq: HIST 302, HIST 303, HIST 304
Note: Course restricted to sophomores and above
8908005  MTRF 9:50-11:50
MEETS: JUNE 17-JULY 12
<table>
<thead>
<tr>
<th>HISTORY</th>
<th>HORTICULTURE</th>
</tr>
</thead>
<tbody>
<tr>
<td>THE AMERICAN WEST</td>
<td>IND STU CROSS-COMMOD HORT 490F VAR. CREDITS</td>
</tr>
<tr>
<td>HIST 465</td>
<td>Prereq: JUNIOR OR SENIOR CLASSIFICATION IN HORTICULTURE OR PERMISSION OF INSTRUCTOR</td>
</tr>
<tr>
<td>3 CREDITS</td>
<td>Note: NO MORE THAN 4 CREDITS OF HORT 490 AND AN ADDITIONAL 2 CREDITS OF 490 FROM OUTSIDE HORTICULTURE MAY BE APPLIED TOWARD GRADUATION</td>
</tr>
<tr>
<td>4224005</td>
<td>******* SEE DEPT FOR REFERENCE NUMBERS</td>
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<tr>
<td>MWF 12:10-2:10</td>
<td><strong>IND ST LANDSCP HORT 490G VAR. CREDITS</strong></td>
</tr>
<tr>
<td>MEETS: JULY 15-AUG 9</td>
<td>Prereq: JUNIOR OR SENIOR CLASSIFICATION IN HORTICULTURE OR PERMISSION OF INSTRUCTOR</td>
</tr>
<tr>
<td><strong>INDEPENDENT STUDY HIST 490 1-3 CREDITS</strong></td>
<td>Note: NO MORE THAN 4 CREDITS OF HORT 490 AND AN ADDITIONAL 2 CREDITS OF 490 FROM OUTSIDE HORTICULTURE MAY BE APPLIED TOWARD GRADUATION</td>
</tr>
<tr>
<td>Prereq: 9 CREDITS IN HISTORY; PERMISSION OF DEPARTMENT CHAIR</td>
<td>******* SEE DEPT FOR REFERENCE NUMBERS</td>
</tr>
<tr>
<td>Note: COURSE NOT OPEN TO FRESHMEN. NO MORE THAN 6 CREDITS OF HIST 490 MAY BE APPLIED TOWARD GRADUATION WITH A MAJOR IN HISTORY. NO CREDITS OF HORT 490 MAY BE APPLIED TOWARD A MINOR IN HISTORY.</td>
<td><strong>ADDITIONAL 2 CREDITS OF 490 FROM OUTSIDE HORTICULTURE</strong></td>
</tr>
<tr>
<td>Instructor permission required 1st week.</td>
<td><strong>IND DEP STUDY HONORS HORT 490H VAR. CREDITS</strong></td>
</tr>
<tr>
<td><strong>ADV TOPICS N AMER HI HIST 496B 3 CREDITS</strong></td>
<td>Prereq: JUNIOR OR SENIOR CLASSIFICATION IN HORTICULTURE OR PERMISSION OF INSTRUCTOR</td>
</tr>
<tr>
<td>Prereq: SOJ ourmORE CLASSIFICATION OR PERMISSION OF INSTRUCTOR</td>
<td>Note: NO MORE THAN 4 CREDITS OF HORT 490 AND AN ADDITIONAL 2 CREDITS OF 490 FROM OUTSIDE HORTICULTURE MAY BE APPLIED TOWARD GRADUATION</td>
</tr>
<tr>
<td>Note: COURSE RESTRICTED TO SOPHOMORES AND ABOVE</td>
<td><strong>ADDITIONAL 2 CREDITS OF 490 FROM OUTSIDE HORTICULTURE</strong></td>
</tr>
<tr>
<td>3028005</td>
<td>******* SEE DEPT FOR REFERENCE NUMBERS</td>
</tr>
<tr>
<td>MWF 2:30-4:30</td>
<td><strong>SPECIAL TOPICS HORT 590 1-3 CREDITS</strong></td>
</tr>
<tr>
<td>MEETS: JUNE 17-JULY 12</td>
<td>Prereq: PERMISSION OF INSTRUCTOR</td>
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<tr>
<td>Note: TOPIC: REMEMBERING THE CIVIL WAR</td>
<td>Instructor permission required 1st week.</td>
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</table>

**HORTICULTURE**

<table>
<thead>
<tr>
<th>HORT MGT EXPERIENCE</th>
<th>HORT 391 1 CREDIT</th>
</tr>
</thead>
<tbody>
<tr>
<td>HORT 221 OR PERMISSION OF INSTRUCTOR</td>
<td>Note: NO MORE THAN 2 CREDITS OF HORT 391 MAY BE APPLIED TOWARD THE HORTICULTURAL SCIENCES COURSE REQUIREMENTS. 2 ADDITIONAL CREDITS OF HORT 391 MAY BE APPLIED TOWARD THE 12 CREDITS REQUIRED FOR GRADUATION.</td>
</tr>
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<td>******* SEE DEPT FOR REFERENCE NUMBERS</td>
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</tbody>
</table>

**COOPERATIVE EDUCATION**

<table>
<thead>
<tr>
<th>HORT 398</th>
<th>HORT 399</th>
<th>HORT 400</th>
</tr>
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<tbody>
<tr>
<td>3 CREDITS</td>
<td>2 CREDITS</td>
<td>2 CREDITS</td>
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<tr>
<td>Prereq: PERMISSION OF DEPARTMENT RESOURCE AND CAREER CENTER COORDINATOR</td>
<td>Prereq: PERMISSION OF DEPARTMENT RESOURCE AND CAREER CENTER COORDINATOR</td>
<td>Prereq: PERMISSION OF DEPARTMENT RESOURCE AND CAREER CENTER COORDINATOR</td>
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<tr>
<td>3652005</td>
<td>36521005</td>
<td>36522005</td>
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<td>ARRANGED</td>
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<td>ARRANGED</td>
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<tr>
<td>MEETS: MAY 20-AUG 9</td>
<td>MEETS: MAY 20-AUG 9</td>
<td>MEETS: MAY 20-AUG 9</td>
</tr>
</tbody>
</table>

**ENTREPRE MGT:HARVEST HORT 465B 3 CREDITS**

<table>
<thead>
<tr>
<th>Prereq: ECON 230</th>
<th>6 OR HORT 399/JUNIOR CLASSIFICATION</th>
<th>Note: Available for non-major graduate credit</th>
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</thead>
<tbody>
<tr>
<td>2169005</td>
<td>W 12:10-1:10</td>
<td>M 1:10-2:00</td>
</tr>
<tr>
<td>M 12:10-3:00</td>
<td>W 1:10-2:00</td>
<td>M 2:10-3:00</td>
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<tr>
<td>W 1:10-2:00</td>
<td>W 2:10-3:00</td>
<td>W 3:00-4:00</td>
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<tr>
<td>M 12:10-2:00</td>
<td>M 2:10-3:00</td>
<td>M 3:00-4:00</td>
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<tr>
<td>M 12:10-1:10</td>
<td>M 1:10-2:00</td>
<td>M 2:10-3:00</td>
</tr>
</tbody>
</table>

**IND ST GREENHS CROP HORT 490A VAR. CREDITS**

| Prereq: JUNIOR OR SENIOR CLASSIFICATION IN HORTICULTURE OR PERMISSION OF INSTRUCTOR | Note: NO MORE THAN 4 CREDITS OF HORT 490 AND AN ADDITIONAL 2 CREDITS OF 490 FROM OUTSIDE HORTICULTURE MAY BE APPLIED TOWARD GRADUATION |
| ******* SEE DEPT FOR REFERENCE NUMBERS |

**IND STU 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 TURFGRASS HORT 490C VAR. CREDITS**

| Prereq: JUNIOR OR SENIOR CLASSIFICATION IN HORTICULTURE OR PERMISSION OF INSTRUCTOR | Note: NO MORE THAN 4 CREDITS OF HORT 490 AND AN ADDITIONAL 2 CREDITS OF 490 FROM OUTSIDE HORTICULTURE MAY BE APPLIED TOWARD GRADUATION |
| ******* SEE DEPT FOR REFERENCE NUMBERS |

**IND STU FRUIT CROPS HORT 490D VAR. CREDITS**

| Prereq: JUNIOR OR SENIOR CLASSIFICATION IN HORTICULTURE OR PERMISSION OF INSTRUCTOR | Note: NO MORE THAN 4 CREDITS OF HORT 490 AND AN ADDITIONAL 2 CREDITS OF 490 FROM OUTSIDE HORTICULTURE MAY BE APPLIED TOWARD GRADUATION |
| ******* SEE DEPT FOR REFERENCE NUMBERS |

**IND STU VEG CROPS HORT 490E VAR. CREDITS**

| Prereq: JUNIOR OR SENIOR CLASSIFICATION IN HORTICULTURE OR PERMISSION OF INSTRUCTOR | Note: NO MORE THAN 4 CREDITS OF HORT 490 AND AN ADDITIONAL 2 CREDITS OF 490 FROM OUTSIDE HORTICULTURE MAY BE APPLIED TOWARD GRADUATION |
| ******* SEE DEPT FOR REFERENCE NUMBERS |

**ADVANCED TOPICS HORT 699 1-6 CREDITS**

| Prereq: GRADUATE CLASSIFICATION | Note: Instructor permission required 1st week. |
| Satisfactory-Fail Only. |

**SPECIAL TOPICS HORT 590 1-3 CREDITS**

| Prereq: A MAJOR OR MINOR IN HORTICULTURE | Note: TOPIC: REMEMBERING THE CIVIL WAR |
| ******* SEE DEPT FOR REFERENCE NUMBERS |

**INTRO DNA TECHNQS HORT 542A 1 CREDIT**

| Prereq: GRADUATE CLASSIFICATION | Note: COURSE RESTRICTED TO SOPHOMORES AND ABOVE |
| Satisfactory-Fail Only. |

**INTR PROTEIN TECHNQ HORT 542B 1 CREDIT**

| Prereq: GRADUATE CLASSIFICATION | Note: COURSE RESTRICTED TO SOPHOMORES AND ABOVE |
| Satisfactory-Fail Only. |

**WORKSHOP TURFGRASS HORT 593C VAR. CREDITS**

| Prereq: SOPHOMORE CLASSIFICATION | Note: COURSE RESTRICTED TO SOPHOMORES AND ABOVE |
| Satisfactory-Fail Only. |

**WORKSHOP VEG CROPS HORT 593E VAR. CREDITS**

| Prereq: SOPHOMORE CLASSIFICATION | Note: COURSE RESTRICTED TO SOPHOMORES AND ABOVE |
| Satisfactory-Fail Only. |

**WORKSHOP CROSS-COMMOD HORT 593F VAR. CREDITS**

| Prereq: SOPHOMORE CLASSIFICATION | Note: COURSE RESTRICTED TO SOPHOMORES AND ABOVE |
| Satisfactory-Fail Only. |

**WORKSHOP GREENHS CROPS HORT 593G VAR. CREDITS**

| Prereq: SOPHOMORE CLASSIFICATION | Note: COURSE RESTRICTED TO SOPHOMORES AND ABOVE |
| Satisfactory-Fail Only. |

**WORKSHOP LANDSCP HORT 593H VAR. CREDITS**

| Prereq: SOPHOMORE CLASSIFICATION | Note: COURSE RESTRICTED TO SOPHOMORES AND ABOVE |
| Satisfactory-Fail Only. |

**STUDY TRAVEL HORT 592A 1 CREDIT**

| Prereq: GRADUATE CLASSIFICATION | Note: COURSE RESTRICTED TO SOPHOMORES AND ABOVE |
| Satisfactory-Fail Only. |

**INTRO TO PROFESSIONAL DEVELOPMENT HORT 593A 1 CREDIT**

| Prereq: GRADUATE CLASSIFICATION | Note: COURSE RESTRICTED TO SOPHOMORES AND ABOVE |
| Satisfactory-Fail Only. |
HOTEL RESTAURANT & INSTITUTION MGMT

IND ST HOSP LTY MGT HRI 490B VAR. CREDITS
Prereq: PROGRAM APPROVAL
Note: Instructor permission required 1st week.
********** SEE DEPT FOR REFERENCE NUMBERS

IND ST LODGING OPER HRI 490D VAR. CREDITS
Prereq: PROGRAM APPROVAL
Note: Instructor permission required 1st week.
********** SEE DEPT FOR REFERENCE NUMBERS

IND STU FOODSERVICE OP HRI 490E VAR. CREDITS
Prereq: PROGRAM APPROVAL
Note: Instructor permission required 1st week.
********** SEE DEPT FOR REFERENCE NUMBERS

INDEP STUDY HONORS HRI 490H VAR. CREDITS
Prereq: PROGRAM APPROVAL, FULL MEMBERSHIP IN HONORS PROGRAM
Note: COURSE RESTRICTED TO HONORS PROGRAM STUDENTS ONLY
Instructor permission required 1st week.
********** SEE DEPT FOR REFERENCE NUMBERS

HOSP LTY SCHOLAR HRI 505 1 CREDIT
3423005 1 ARRANGED
MEETS: JUNE 3-AUG 9

CURR ISS HOSP LTY MGT HRI 506 1 CREDIT
3485005 1 ARRANGED
MEETS: JUNE 3-AUG 9

PRO EXPRNC FD&L ODG HRI 575 2 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

SP TOP HOSP LTY MGT HRI 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 CM/MM C C MDS RV HRI 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

HUMAN COMPUTER INTERACTION

USER INTERFACE WEB HCI 573X 3 CREDITS
Prereq: PREVIOUS EXPIRENCE EDITING HTML OR OTHER PROGRAMMING LANGUAGE HELPFUL
9593005 A MTWRF 11:00-12:00
MEETS: MAY 20-JULY 12
HUMAN DEVELOPMENT & FAMILY STUDIES (CONTINUED)

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

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

SPL TOP HUMAN DEVELO HD FS 590D VAR. CREDITS
Prereq: PERMISSION OF INSTRUCTOR
******** SEE DEPT FOR REFERENCE NUMBERS

SPL TOP CHILD DEVELO HD FS 590E VAR. CREDITS
Prereq: PERMISSION OF INSTRUCTOR
******** SEE DEPT FOR REFERENCE NUMBERS

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

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

INTERNSHIP FAM STUDY HD FS 591A VAR. CREDITS
Prereq: 10 GRAD CREDITS
******** SEE DEPT FOR REFERENCE NUMBERS

INTERN FAMILY FINANCE HD FS 591C VAR. CREDITS
Prereq: 10 GRAD CREDITS
******** SEE DEPT FOR REFERENCE NUMBERS

INTERNSHIP HUMAN DEVELOPMENT HD FS 591D VAR. CREDITS
Prereq: 10 GRAD CREDITS
******** SEE DEPT FOR REFERENCE NUMBERS

INTERNSHIP CHILD DEVELOPMENT HD FS 591E VAR. CREDITS
Prereq: 10 GRAD CREDITS
******** SEE DEPT FOR REFERENCE NUMBERS

INTERN EARLY EDUC HD FS 591F VAR. CREDITS
Prereq: 10 GRAD CREDITS
******** SEE DEPT FOR REFERENCE NUMBERS

INTERN EARLY SPED HD FS 591G VAR. CREDITS
Prereq: 10 GRAD CREDITS
******** SEE DEPT FOR REFERENCE NUMBERS

INTERN HUMAN, FAMILY HD FS 591I VAR. CREDITS
Prereq: 10 GRAD CREDITS
******** SEE DEPT FOR REFERENCE NUMBERS

CREDIT COMPONENT HD FS 599 VAR. CREDITS
Prereq: 9 GRADUATE CREDITS IN HD FS
******** SEE DEPT FOR REFERENCE NUMBERS

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

ADV TOPICS HOUSING HD FS 690B VAR. CREDITS
Prereq: INSTR PERMISSION, ENROLLMENT IN PH.D. PROGRAM
******** SEE DEPT FOR REFERENCE NUMBERS

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

ADV TOP HUMAN DEVELOPMENT HD FS 690D VAR. CREDITS
Prereq: INSTR PERMISSION, ENROLLMENT IN PH.D. PROGRAM
******** SEE DEPT FOR REFERENCE NUMBERS

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

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

ADV TOP EARLY SPED HD FS 690G VAR. CREDITS
Prereq: INSTR PERMISSION, ENROLLMENT IN PH.D. PROGRAM
******** SEE DEPT FOR REFERENCE NUMBERS

HUMAN DEVELOPMENT & FAMILY STUDIES (CONTINUED)

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

ADV TOPICS THERAPY HD FS 690M VAR. CREDITS
Prereq: INSTR PERMISSION, ENROLLMENT IN PH.D. PROGRAM
******** SEE DEPT FOR REFERENCE NUMBERS

ADV TOP FAMILY POLICY HD FS 690N VAR. CREDITS
Prereq: INSTR PERMISSION, ENROLLMENT IN PH.D. PROGRAM
******** SEE DEPT FOR REFERENCE NUMBERS

COLLEGE TEACHER INTERN HD FS 691A VAR. CREDITS
Prereq: PERMISSION OF INSTRUCTOR
Satisfactory-Fail Only
******** SEE DEPT FOR REFERENCE NUMBERS

RESEARCH INTERNSHIP HD FS 691B VAR. CREDITS
Satisfactory-Fail Only
******** SEE DEPT FOR REFERENCE NUMBERS

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

RSRCH FAMILY STUDIES HD FS 699A VAR. CREDITS
Satisfactory-Fail Only
******** SEE DEPT FOR REFERENCE NUMBERS

RESEARCH HOUSING HD FS 699B VAR. CREDITS
Satisfactory-Fail Only
******** SEE DEPT FOR REFERENCE NUMBERS

RSRCH FAMILY FINANC HD FS 699C VAR. CREDITS
Satisfactory-Fail Only
******** SEE DEPT FOR REFERENCE NUMBERS

RESEARCH HUMAN DEVELOPMENT HD FS 699D VAR. CREDITS
Satisfactory-Fail Only
******** SEE DEPT FOR REFERENCE NUMBERS

RESEARCH CHILD DEVELOPMENT HD FS 699E VAR. CREDITS
Satisfactory-Fail Only
******** SEE DEPT FOR REFERENCE NUMBERS

RES EARLY CHILDHOOD HD FS 699F VAR. CREDITS
Satisfactory-Fail Only
******** SEE DEPT FOR REFERENCE NUMBERS

RES EARLY CHILDHOOD HD FS 699G VAR. CREDITS
Satisfactory-Fail Only
******** SEE DEPT FOR REFERENCE NUMBERS

RES HUMAN DEVELOPMENT HD FS 699H VAR. CREDITS
Satisfactory-Fail Only
******** SEE DEPT FOR REFERENCE NUMBERS

RES FAMILY STUDIES HD FS 699I VAR. CREDITS
Satisfactory-Fail Only
******** SEE DEPT FOR REFERENCE NUMBERS

RES INTERNSHIP HD FS 699J VAR. CREDITS
Satisfactory-Fail Only
******** SEE DEPT FOR REFERENCE NUMBERS

INT'L LEADERSHIP SEMINAR HD SCI 482 3 CREDITS
Prereq: PERMISSION OF THE INSTRUCTOR
Note: Meets international perspectives requirement
5901005 ARRANGED

5901800 CN ARRANGED
MEETS: JULY 15-AUG 3
Note: SEC CN TAUGHT IN CHINA, BEIJING. BEIJING FOREIGN STUDIES UNIVERSITY. TITLE: CHINESE LANGUAGE & CULTURE APPRECIATION: 2013 SUMMER INTENSIVE STUDY ABROAD PROGRAM
Study Abroad Administrative Fee Applies

IND STUDY ENTERPRISE HD SCI 490E 3 CREDITS
Prereq: PERMISSION OF THE INSTRUCTOR
MEETS: MAY 20-AUG 9
Note: Instructor permission required.
5101005 ARRANGED

5933005 CN ARRANGED
MEETS: JULY 15-AUG 3
Note: SEC CN TAUGHT IN CHINA, BEIJING. BEIJING FOREIGN STUDIES UNIVERSITY. TITLE: CHINESE LANGUAGE & CULTURE APPRECIATION: 2013 SUMMER INTENSIVE STUDY ABROAD PROGRAM
Study Abroad Administrative Fee Applies

HUMAN SCIENCES

1ST SS 2013
IMMUNOBIOLOGY
RESEARCH I MIBIO 699 VAR. CREDITS

INDUSTRIAL ENGINEERING

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

ENCN ECONOMIC ANALYSIS I E 305 3 CREDITS
Prereq: MATH 156
Note: Available for nonmajor graduate credit
MEETS: MAY 20-JULY 12

SUMMER INTERNSHIP I E 390 R CREDIT
Prereq: PERMISSION OF DEPARTMENT AND ENGINEERING CAREER SERVICES
Satisfactory-Fail Only.

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

MANUFACTURING ENGINEERING I E 448 3 CREDITS
Prereq: I E 248, I E 305
Note: Available for nonmajor graduate credit
6090005 MTRF 8:40-9:40 MEETS: MAY 20-JULY 12

INDEPENDENT STUDY MANUFACTURING I E 490A 1-5 CREDITS
Prereq: SR CLASSIFICATION, PERMISSION OF INSTRUCTOR
Satisfactory-Fail Only.

INDEPENDENT STUDY HUMAN FACTORS I E 490B 1-5 CREDITS
Prereq: SR CLASSIFICATION, PERMISSION OF INSTRUCTOR
Satisfactory-Fail Only.

INDEPENDENT STUDY RESEARCH I E 490C 1-5 CREDITS
Prereq: SR CLASSIFICATION, PERMISSION OF INSTRUCTOR
Satisfactory-Fail Only.

INDEPENDENT STUDY ENTERPRISE MANAGEMENT I E 490D 1-5 CREDITS
Prereq: SR CLASSIFICATION, PERMISSION OF INSTRUCTOR
Satisfactory-Fail Only.

INDEPENDENT STUDY HONORS I E 490H 1-5 CREDITS
Prereq: SR CLASSIFICATION, PERMISSION OF INSTRUCTOR
UNIV HONORS PROGRAM MEMBERSHIP
Note: COURSE RESTRICTED TO HONORS PROGRAM STUDENTS ONLY
Satisfactory-Fail Only.

COOPERATIVE EDUCATION I E 498 R CREDIT
Prereq: I E 298, PERMISSION OF DEPARTMENT AND ENGINEERING CAREER SERVICES
Satisfactory-Fail Only.

SPECIAL TOPICS I E 590 1-3 CREDITS
Satisfactory-Fail Only.

CREATE COMPUTER INDUSTRIAL ENGINEERING I E 599A VAR. CREDITS
Satisfactory-Fail Only.

CREATE COMPUTER OPERATIONS RESEARCH I E 599B VAR. CREDITS
Satisfactory-Fail Only.

ADVANCED TOPICS I E 690 1-3 CREDITS
Prereq: PERMISSION OF INSTRUCTOR
Satisfactory-Fail Only.

ENGINEERING CAREER SERVICES
Prereq: I E 298, PERMISSION OF DEPARTMENT
Satisfactory-Fail Only.

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

INFORMATION ASSURANCE

INFO ASSURANCE INTEGRATED STUDENT I INFAS 697 R CREDIT
Prereq: PERMISSION OF DEPARTMENT, GRADUATE CLASSIFICATION
Satisfactory-Fail Only.

INDEPENDENT STUDY ARTIS 408 3 CREDITS
Prereq: ARTIS 308
MEETS: MAY 20-JULY 12

INDEPENDENT STUDY CERAMICS ARTIS 490B 1-6 CREDITS
Prereq: WRITTEN APPROVAL OF INSTRUCTOR AND DEPARTMENT CHAIR
MEETS: MAY 20-JULY 12

INDEPENDENT STUDY TEXTILES ARTIS 490E 1-6 CREDITS
Prereq: WRITTEN APPROVAL OF INSTRUCTOR AND DEPARTMENT CHAIR
MEETS: MAY 20-JULY 12

INDEPENDENT STUDY DRAWING ARTIS 490D 1-6 CREDITS
Prereq: WRITTEN APPROVAL OF INSTRUCTOR AND DEPARTMENT CHAIR
MEETS: MAY 20-JULY 12

INDEPENDENT STUDY METALS ARTIS 490G 1-6 CREDITS
Prereq: WRITTEN APPROVAL OF INSTRUCTOR AND DEPARTMENT CHAIR
MEETS: MAY 20-JULY 12

INDEPENDENT STUDY PHOTOGRAPHY ARTIS 490J 1-6 CREDITS
Prereq: WRITTEN APPROVAL OF INSTRUCTOR AND DEPARTMENT CHAIR
MEETS: MAY 20-JULY 12

INTEGRATED STUDY ARTS

PRIN 3D ANIMATION ARTIS 408 3 CREDITS
Prereq: ARTIS 308
MEETS: MAY 20-JULY 12

INDEPENDENT STUDY ARTS 408 3 CREDITS
Prereq: ARTIS 308
MEETS: MAY 20-JULY 12

INDEPENDENT STUDY METALS ARTIS 490G 1-6 CREDITS
Prereq: WRITTEN APPROVAL OF INSTRUCTOR AND DEPARTMENT CHAIR
MEETS: MAY 20-JULY 12

INDEPENDENT STUDY PHOTOGRAPHY ARTIS 490J 1-6 CREDITS
Prereq: WRITTEN APPROVAL OF INSTRUCTOR AND DEPARTMENT CHAIR
MEETS: MAY 20-JULY 12
INTEGRATED STUDIO ARTS (CONTINUED)

INDEP STU FURNITUR ARTIS 490L 1-6 CREDITS
Prereq: WRITTEN APPROVAL OF INSTR AND DEPT CHAIR
Note: COURSE ONLY OFFERED FOR 1 CREDIT SUMMER 2013
Instructor permission required 1st week.

IND STU MIXED MEDIA ARTIS 490M 1-6 CREDITS
Prereq: WRITTEN APPROVAL OF INSTR AND DEPT CHAIR
Note: COURSE ONLY OFFERED FOR 1 CREDIT SUMMER 2013
Instructor permission required 1st week.

WORKSHOP: METALS ARTIS 493G 1-3 CREDITS
Prereq: PERMISSION OF INSTRUCTOR
Note: COURSE ONLY OFFERED FOR 3 CREDITS SUMMER 2013
Instructor permission required 1st week.

WORKSHOP: PAINTING ARTIS 493I 1-3 CREDITS
Prereq: PERMISSION OF INSTRUCTOR
Note: COURSE ONLY OFFERED FOR 3 CREDITS SUMMER 2013
Instructor permission required 1st week.

SPL TOP COMPUT A&D ARTIS 590C VAR. CREDITS
Prereq: BACHELOR'S DEGREE IN ART AND/OR DSGN,
OR EVIDENCE OF SATISFACTORY EQUIVALENCY IN SPECIALIZED AREA.
WRITTEN APPROVAL OF INSTR AND DEPT CHAIR
ON REQUIRED FORM IN ADVANCE OF SEM OF ENROLLMT.

SPL TOPICS DRAWING ARTIS 590D VAR. CREDITS
Prereq: BACHELOR'S DEGREE IN ART AND/OR DSGN,
OR EVIDENCE OF SATISFACTORY EQUIVALENCY IN SPECIALIZED AREA.
WRITTEN APPROVAL OF INSTR AND DEPT CHAIR
ON REQUIRED FORM IN ADVANCE OF SEM OF ENROLLMT.

SPL TOPICS PAINTING ARTIS 590E VAR. CREDITS
Prereq: BACHELOR'S DEGREE IN ART AND/OR DSGN,
OR EVIDENCE OF SATISFACTORY EQUIVALENCY IN SPECIALIZED AREA.
WRITTEN APPROVAL OF INSTR AND DEPT CHAIR
ON REQUIRED FORM IN ADVANCE OF SEM OF ENROLLMT.

SPL TOP PHOTOGRAPHY ARTIS 590J VAR. CREDITS
Prereq: BACHELOR'S DEGREE IN ART AND/OR DSGN,
OR EVIDENCE OF SATISFACTORY EQUIVALENCY IN SPECIALIZED AREA.
WRITTEN APPROVAL OF INSTR AND DEPT CHAIR
ON REQUIRED FORM IN ADVANCE OF SEM OF ENROLLMT.

SPL TOP PRINTMAKING ARTIS 590K VAR. CREDITS
Prereq: BACHELOR'S DEGREE IN ART AND/OR DSGN,
OR EVIDENCE OF SATISFACTORY EQUIVALENCY IN SPECIALIZED AREA.
WRITTEN APPROVAL OF INSTR AND DEPT CHAIR
ON REQUIRED FORM IN ADVANCE OF SEM OF ENROLLMT.

SPL TOP FURNITUR ARTIS 590L VAR. CREDITS
Prereq: BACHELOR'S DEGREE IN ART AND/OR DSGN,
OR EVIDENCE OF SATISFACTORY EQUIVALENCY IN SPECIALIZED AREA.
WRITTEN APPROVAL OF INSTR AND DEPT CHAIR
ON REQUIRED FORM IN ADVANCE OF SEM OF ENROLLMT.

SPL TOP MIXED MEDIA ARTIS 590M VAR. CREDITS
Prereq: BACHELOR'S DEGREE IN ART AND/OR DSGN,
OR EVIDENCE OF SATISFACTORY EQUIVALENCY 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

INTERDISCIPLINARY GRADUATE STUDIES

CREATIVE COMPONENT IGS 599 VAR. CREDITS
4480005 ARRANGED
MEETS: MAY 20-AUG 9

THESIS RESEARCH IGS 699 VAR. CREDITS
4581005 ARRANGED
MEETS: MAY 20-AUG 9

INTERIOR DESIGN

INT DSGN INTERNSHIP ARTID 460 3 CREDITS
Prereq: 350, 360, 365
1846005 A ARRANGED
MEETS: MAY 20-AUG 9

INDEPENDENT STUDY ARTID 490 1-6 CREDITS
Prereq: WRITTEN APPROVAL OF INSTR AND DEPT CHAIR
ON REQUIRED FORM IN ADVANCE OF SEMESTER OF ENROLLMT.

RESEARCH: THESIS ARTID 699A VAR. CREDITS
******* SEE DEPT FOR REFERENCE NUMBERS

RESEARCH: THESIS-EXH ARTID 699B VAR. CREDITS
******* SEE DEPT FOR REFERENCE NUMBERS

IOWA LAKESIDE LABORATORY

NATUR HIS PRAIRIES IA LL 293G 1-2 CREDITS
MEETS: JUNE 17-21
9092005 MTWRF 8:00-5:00
Note: Tuition Category: Iowa Lakeside Lab
http://www.continuetolearn.uiowa.edu/lakesidelab

NATUR HIS MOLEC ECO IA LL 293W 1-2 CREDITS
MEETS: JUNE 17-21
9607005 MTWRF 8:00-5:00
Note: Tuition Category: Iowa Lakeside Lab
http://www.continuetolearn.uiowa.edu/lakesidelab

NATUR HIS VERT CMUN ECO IA LL 293Y 1-2 CREDITS
MEETS: JUNE 17-21
9611005 MTWRF 8:00-5:00
Note: Tuition Category: Iowa Lakeside Lab
http://www.continuetolearn.uiowa.edu/lakesidelab

UNDERGRAD INTERNSHP IA LL 303I 1-5 CREDITS
Prereq: PERMISSION OF INSTRUCTOR, SOPH STANDING
MEETS: JUNE 17-21
3683005 ARRANGED
Note: Tuition Category: Iowa Lakeside Lab
http://www.continuetolearn.uiowa.edu/lakesidelab

ECOLOGY IA LL 312I 4 CREDITS
Note: Permission of Lakeside Lab Office required
http://www.continuetolearn.uiowa.edu/lakesidelab
3650005 MTWRF 8:00-5:00
Note: Tuition Category: Iowa Lakeside Lab
http://www.continuetolearn.uiowa.edu/lakesidelab

PLANT TAXONOMY IA LL 367 4 CREDITS
Note: Permission of Lakeside Lab Office required
3707005 MTWRF 8:00-5:00
MEETS: MAY 20-JUNE 14
Note: Tuition Category: Iowa Lakeside Lab
http://www.continuetolearn.uiowa.edu/lakesidelab

PRAIRIE ECOLOGY IA LL 422I 4 CREDITS
Note: Familiarity with basic principles in Biological Science and Ecology
Note: Available for non-major graduate credit
http://www.continuetolearn.uiowa.edu/lakesidelab
3830005 MTWRF 8:00-5:00
MEETS: JUNE 17-JULY 12
Note: Tuition Category: Iowa Lakeside Lab
ARCHAEOLOGY  IA LL 427I  4 CREDITS
Note: Available for nonmajor graduate credit
Note: Tuition Category: Iowa Lakeside Lab
http://www.continuetolearn.uiowa.edu/lakesidelab
3840005  MTWR 8:00-9:00
MEETS: JUNE 17-JULY 12
Note: Tuition Category: Iowa Lakeside Lab
UG INDEP STY IA LL  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
MEETS: MAY 20-JUNE 14
Note: Tuition Category: Iowa Lakeside Lab
3984010  2 ARRANGED
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
MEETS: MAY 20-JUNE 14
Note: Tuition Category: Iowa Lakeside Lab
3565010  2 ARRANGED
Note: Tuition Category: Iowa Lakeside Lab
FRESHWATER ALGAE  IA LL 501I  4 CREDITS
Note: Permission of Lakeside Lab Office required
http://www.continuetolearn.uiowa.edu/lakesidelab
3853005  MTWR 8:00-5:00
MEETS: JUNE 24-JULY 12
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  MTWR 8:00-5:00
MEETS: JUNE 24-JULY 12
Note: Tuition Category: Iowa Lakeside Lab
ENVIRON DATA ANALYS  IA LL 532  2 CREDITS
Prereq: AN UNDERGRADUATE COURSE IN STATISTICS,
UNDERSTANDING OF BASIC CONCEPTS SUCH AS CORRELATION
AND REGRESSION, AND FAMILIARITY WITH PC-BASED
SOFTWARE FOR DATA ANALYSIS
Note: Permission of Lakeside Lab Office required
http://www.continuetolearn.uiowa.edu/lakesidelab
8207005  MTWR 8:00-5:00
MEETS: JUNE 24-JULY 6
Note: NO MEETING ON SATURDAY, JUNE 29
Tuition Category: Iowa Lakeside Lab
ECOL & SYST DIATOMS  IA LL 580I  4 CREDITS
Note: Permission of Lakeside Lab Office required
http://www.continuetolearn.uiowa.edu/lakesidelab
3888005  MTWR 8:00-5:00
MEETS: MAY 20-JUNE 14
Note: Tuition Category: Iowa Lakeside Lab
GRAD IND STY IA LL  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
MEETS: MAY 20-JUNE 14
Note: Tuition Category: Iowa Lakeside Lab
3977010  2 ARRANGED
MEETS: JUNE 17-JULY 12
Tuition Category: Iowa Lakeside Lab
RESEARCH - IA LL  IA LL 699I  1- 4 CREDITS
Note: Tuition Category: Iowa Lakeside Lab
http://www.continuetolearn.uiowa.edu/lakesidelab
3965005  1 ARRANGED
MEETS: MAY 20-JUNE 14
Note: Tuition Category: Iowa Lakeside Lab
3965010  2 ARRANGED
MEETS: JUNE 17-JULY 12

KINESIOLOGY (CONTINUED)

WALKING FOR FITNESS KIN 164 1 CREDIT
Satisfactory-Fail Only.
8867005 1 MTWR 7:30-8:30 MEETS: MAY 20-JULY 3
Note: Equipment use fee $25.00

WEIGHT TRAINING KIN 166 1 CREDIT
Note: CREDIT FOR ONLY ONE OF THE FOLLOWING MAY BE APPLIED TOWARD GRADUATION: ATH 101, SKILL TECHNIQUE COURSE IN THE SAME SPORT, KIN 166 Satisfactory-Fail Only.
5696005 1 MTWR 7:30-8:30 MEETS: MAY 20-JULY 3
Note: Materials and equipment use fee $25.00

BASIC ATHLETIC TRAIN KIN 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 20-JUNE 14 Note: Materials fee $50.00

PHYS FITNESS & CONDITIONING KIN 258 2 CREDITS
Prereq: MAJOR IN KINESIOLOGY OR HEALTH ONLY Note: CREDIT FOR EITHER EX SP/KIN 163 OR EX SP/KIN 258, BUT NOT BOTH, MAY BE APPLIED TOWARD GRADUATION. RESTRICTED TO A TR, D EXA, D EXH, KIN H, P ATH, POEXH MAJORS ONLY Note: Instructor permission required 1st week.
5732005 1 MTWRF 9:50-11:50 MEETS: MAY 20-JUNE 14 Note: Materials and professional support fee $25.00

ADV STRNGTH TRAINING KIN 266 2 CREDITS
Prereq: KIN 258
7421005 MTWR 9:50-12:20 MEETS: MAY 20-JUNE 14 Note: Materials and equipment use fee $25.00

ELEM&PRESC MWM ED KIN 284 3 CREDITS
Prereq: 3 CREDITS IN HUMAN DEVELOPMENT AND FAMILIES STUDIES Note: CREDIT FOR EITHER EX SP/KIN 275/312 OR EX SP/KIN 284, BUT NOT BOTH, MAY BE APPLIED TOWARD GRADUATION
5737005 1 MTWR 1:20-4:20 MEETS: JUNE 17-JULY 12 Note: Materials and equipment use fee $25.00

PRE-INTERN KINESIOLOGY KIN 285 1-2 CREDITS
Prereq: KINESIOLOGY AND HEALTH MAJOR, AND PERMISSION OF INTERNSHIP COORDINATOR Satisfactory-Fail Only.
8750005 ARRANGED MEETS: MAY 20-AUG 9

COACH THY&ADMIN ISS KIN 315 3 CREDITS
5372005 1 MTWR 8:00-12:00 ARRANGED MEETS: MAY 20-31

BIOMECHANICS KIN 355 3 CREDITS
Prereq: PHYS 111 OR PHYS 115 Note: Available for nonmajor graduate credit
5752005 1 MTWR 9:50-11:10 MEETS: MAY 20-JULY 12

PHYSIOLOGY EXERCISE KIN 358 3 CREDITS
Prereq: BIOL 253, BIOL 255L, BIOL 256 AND BIOL 256L Note: Available for nonmajor graduate credit
5766005 1 MTWRF 9:50-11:10 MEETS: MAY 20-JUNE 28

EXERCISE PSYCHOLOGY KIN 366 3 CREDITS
Prereq: PSYCH 101 OR PSYCH 230 Note: Instructor permission required
7190005 MTWR 8:40-10:15 MEETS: MAY 20-JUNE 14

MOTOR CONTROL LIFESP KIN 372 3 CREDITS
Prereq: PSYCH 101 OR PSYCH 230 Note: Instructor permission required
9623005 1 MTWRF 8:40-10:15 CHAIR MEETS: MAY 20-JUNE 28

INTERNSH FITNSS MGT KIN 485A 1-16 CREDITS
Prereq: SENIOR CLASSIFICATION, ADVANCE REGISTRATN, C- OR BETTER IN KIN 458 AND KIN 459, MAJOR IN KINESIOLOGY AND HEALTH, CUM GPA 2.0 Satisfactory-Fail Only.
5772005 ARRANGED MEETS: MAY 20-AUG 9
Note: Instructor permission required.

INTERNSH SPORTACT KIN 485B 1-16 CREDITS
Prereq: SENIOR CLASSIFICATION, ADVANCE REGISTRATN, MAJOR IN KINESIOLOGY AND HEALTH, CUM GPA 2.0 Satisfactory-Fail Only.
5773005 ARRANGED MEETS: MAY 20-AUG 9
Note: Instructor permission required.

KINESIOLOGY (CONTINUED)

ATHL TRAIN COMPETNC KIN 489 1 CREDIT
Prereq: PERMIS OF ATHLETIC TRAIN PROG DIRECTOR, SENIOR CLASSIFICATION Satisfactory-Fail Only.
3220005 ARRANGED MEETS: JUNE 17-AUG 9

IND STUDY EXER&SPRT KIN 490A 1-3 CREDITS
Prereq: 6 CREDITS FROM KIN ADVANCED CORE AND PERMISSION OF COORDINATOR Note: Instructor permission required 1st week.

IND STUDY COACHING KIN 490B 1-3 CREDITS
Prereq: 6 CREDITS FROM KIN ADVANCED CORE AND PERMISSION OF COORDINATOR Note: Instructor permission required 1st week.

INDEPENDENT STUDY HONORS KIN 490H 1-3 CREDITS
Prereq: 6 CREDITS FROM KIN ADVANCED CORE AND PERMISSION OF COORDINATOR Note: COURSE RESTRICTED TO HONORS PROGRAM STUDENTS ONLY Instructor permission required 1st week.

SPECIAL TOPICS PHYS KIN 590A 1-3 CREDITS
Note: Instructor permission required 1st week.

SPL TOP HEALTH PROMO KIN 590B 1-3 CREDITS
Note: Instructor permission required 1st week.

SPL TOP EXERC PSYCH KIN 590C 1-3 CREDITS
Note: Instructor permission required 1st week.

SPL TOP SPORT SOCIO KIN 590E 1-3 CREDITS
Note: Instructor permission required 1st week.

SPL TOP SPORT PSYCH KIN 590F 1-3 CREDITS
Note: Instructor permission required 1st week.

SPL TOP MOTOR BEHAV KIN 590G 1-3 CREDITS
Note: Instructor permission required 1st week.

SPL TOP BIOENGINEERING KIN 590H 1-3 CREDITS
Note: Instructor permission required 1st week.

SPL TOP EXERCISE KIN 590I 1-3 CREDITS
Note: Instructor permission required 1st week.

SPL TOP RSRCH ETHICS KIN 590J 1-3 CREDITS
Note: Instructor permission required 1st week.

SUPPLEMENTARY FIELD EXPER KIN 591A 1-6 CREDITS
Prereq: 10 GRAD CR IN KIN AND/OR RELATED AREAS Note: Instructor permission required 1st week.

SUPPLEMENTARY FIELD EXPER KIN 591B 1-6 CREDITS
Prereq: 10 GRAD CR IN KIN AND/OR RELATED AREAS Note: Instructor permission required 1st week.

CREATIVE COMPONENT KIN 599 1-3 CREDITS
Note: Instructor permission required 1st week.

RESEARCH KIN 699 1-6 CREDITS
Note: Instructor permission required 1st week.

LANDSCAPE ARCHITECTURE

LAND ARCH INTERNSHIP LA 444A R CREDIT
Prereq: LA 341 OR PERMISSION OF ADVISER AND 3036005 1 ARRANGED MEETS: MAY 20-AUG 9

LAND ARCH ABROAD LA 444B R CREDIT
Prereq: LA 341 OR PERMISSION OF ADVISER AND CHAIR 6212005 1 ARRANGED MEETS: MAY 20-AUG 9

LA NAT'L STDTXCHNG LA 444C R CREDIT
Prereq: LA 341 OR PERMISSION OF ADVISER AND CHAIR 6213005 1 ARRANGED MEETS: MAY 20-AUG 9
LANDSCAPE ARCHITECTURE (CONTINUED)

IND STDY LAND DSGN L A 490A 1-6 CREDITS
Prereq: INSTR & DEPT CHAIR APPROVAL ON REQ'D FORM
Note: Instructor permission required 1st week.
******* SEE DEPT FOR REFERENCE NUMBERS

IND STDY PLNTNG DSN L A 490B 1-6 CREDITS
Prereq: INSTR & DEPT CHAIR APPROVAL ON REQ'D FORM
Note: Instructor permission required 1st week.
******* SEE DEPT FOR REFERENCE NUMBERS

IND STUDY CONSTRUCT L A 490C 1-6 CREDITS
Prereq: INSTR & DEPT CHAIR APPROVAL ON REQ'D FORM
Note: Instructor permission required 1st week.
******* SEE DEPT FOR REFERENCE NUMBERS

IND STDY URBAN DSN L A 490F 1-6 CREDITS
Prereq: INSTR & DEPT CHAIR APPROVAL ON REQ'D FORM
Note: Instructor permission required 1st week.
******* SEE DEPT FOR REFERENCE NUMBERS

IND DEP STUDY GRAPHICS L A 490G 1-6 CREDITS
Prereq: INSTR & DEPT CHAIR APPROVAL ON REQ'D FORM
Note: Instructor permission required 1st week.
******* SEE DEPT FOR REFERENCE NUMBERS

IND STDY HISTORY L A 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 STDY LANDSC PLAN L A 490E 1-6 CREDITS
Prereq: INSTR & DEPT CHAIR APPROVAL ON REQ'D FORM
Note: Instructor permission required 1st week.
******* SEE DEPT FOR REFERENCE NUMBERS

IND STDY URBAN DSN L A 490F 1-6 CREDITS
Prereq: INSTR & DEPT CHAIR APPROVAL ON REQ'D FORM
Note: Instructor permission required 1st week.
******* SEE DEPT FOR REFERENCE NUMBERS

SPL TOPC LANDSC PLAN L A 590E 1-6 CREDITS
Prereq: INSTR & DEPT CHAIR APPROVAL ON REQ'D FORM
Note: Instructor permission required 1st week.
******* SEE DEPT FOR REFERENCE NUMBERS

SPL TOPC URBAN DSN L A 590F 1-6 CREDITS
Prereq: INSTR & DEPT CHAIR APPROVAL ON REQ'D FORM
Note: Instructor permission required 1st week.
******* SEE DEPT FOR REFERENCE NUMBERS

SPL TOPICS GRAPHICS L A 590G 1-6 CREDITS
Prereq: INSTR & DEPT CHAIR APPROVAL ON REQ'D FORM
Note: Instructor permission required 1st week.
******* SEE DEPT FOR REFERENCE NUMBERS

SPL TOPC CMPT SRVCS L A 590H 1-6 CREDITS
Prereq: INSTR & DEPT CHAIR APPROVAL ON REQ'D FORM
Note: Instructor permission required 1st week.
******* SEE DEPT FOR REFERENCE NUMBERS

SPL TOPC LANDSC PLAN L A 590E 1-6 CREDITS
Prereq: INSTR & DEPT CHAIR APPROVAL ON REQ'D FORM
Note: Instructor permission required 1st week.
******* SEE DEPT FOR REFERENCE NUMBERS

SPL TOPC CMPTR APPL L A 590K 1-6 CREDITS
Prereq: INSTR & DEPT CHAIR APPROVAL ON REQ'D FORM
Note: Instructor permission required 1st week.
******* SEE DEPT FOR REFERENCE NUMBERS

SPL TOPC ECO DESIGN L A 590L 1-6 CREDITS
Prereq: INSTR & DEPT CHAIR APPROVAL ON REQ'D FORM
Note: Instructor permission required 1st week.
******* SEE DEPT FOR REFERENCE NUMBERS

SPL TOPC CMS/BEHV L A 590M 1-6 CREDITS
Prereq: INSTR & DEPT CHAIR APPROVAL ON REQ'D FORM
Note: Instructor permission required 1st week.
******* SEE DEPT FOR REFERENCE NUMBERS

SPL TOPC CMPT SRVCS L A 590H 1-6 CREDITS
Prereq: INSTR & DEPT CHAIR APPROVAL ON REQ'D FORM
Note: Instructor permission required 1st week.
******* SEE DEPT FOR REFERENCE NUMBERS

SPL TOPC LANDSC PLAN L A 590E 1-6 CREDITS
Prereq: INSTR & DEPT CHAIR APPROVAL ON REQ'D FORM
Note: Instructor permission required 1st week.
******* SEE DEPT FOR REFERENCE NUMBERS

LATIN

INDEPENDENT STUDY L A 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
******* SEE DEPT FOR REFERENCE NUMBERS

LIBERAL ARTS & SCIENCES

SPECIAL PROJECTS LAS 290D 1-3 CREDITS
Prereq: FRESHMAN OR SOPHOMORE CLASSIFICATION;
PERMISSION OF LAS PROF
Note: Instructor permission required 1st week.
******* SEE DEPT FOR REFERENCE NUMBERS

SPL PROJ CATT CENTR LAS 290G 1-3 CREDITS
Prereq: PERMISSION OF CATT CENTER, PERM. OF CATT CENTER
Note: Instructor permission required 1st week.
******* 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

THE HOLOCAUST LAS 385 3 CREDITS
Note: Meets international perspectives reqmt
4837005 1 TP 6:00-9:00PM
MEETS: MAY 20-JULY 12

STUDY ABROAD HUMANIT LAS 395B 1-4 CREDITS
Note: Instructor permission required.
4289035 DE ARRANGED
STUDY ABROAD ADMINISTRATIVE FEES APPLIED
4289023 ARRANGED
MEETS: MAY 28-JULY 18
Note: Section RC is Regent Study Abroad in Peru. OFFERED FOR 3 CREDITS.
STUDY ABROAD HUMANITAS LAS 395B 1-4 CREDITS
Tuition Category: Regents Summer Study Abroad
4289800 SR ARRANGED BRENNER J
MEETS: JUNE 3-28
Note: SEC SF TAUGHT IN MADRID, SPAIN, LONDON, ENGLAND.
TOPIC: FROM COLUMBUS TO THE COLD WAR: THE UNITED STATES & THE ATLANTIC WORLD (1500-2000) STUDY
ABROAD SUMMER 2013
Study Abroad Administrative Fee Applies

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

INDEPENDENT STUDY LAS 490A VAR. CREDITS
Prereq: PERMISSION OF THE DEAN OF THE LAS COLLEGE
Note: PERMISSION OF THE DEAN OF LAS REQUIRED TO ADD. PROCESS APPROVED ADD SLIP IN 10 ENROLLMENT SERVICES CENTER. NO MORE THAN 9 CREDITS OF LAS 490 MAY BE APPLIED TOWARD GRADUATION.
College permission required.******** SEE DEPT FOR REFERENCE NUMBERS

IND STDY ENTREPRNNSH LAS 490E VAR. CREDITS
Prereq: PERMISSION OF THE DEAN OF THE LAS COLLEGE
Note: PERMISSION OF THE DEAN OF LAS REQUIRED TO ADD. PROCESS APPROVED ADD SLIP IN 10 ENROLLMENT SERVICES CENTER. NO MORE THAN 9 CREDITS OF LAS 490 MAY BE APPLIED TOWARD GRADUATION.
College permission required.******** SEE DEPT FOR REFERENCE NUMBERS

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 17-JULY 12
CONCURRENT ENROLLMENT OR PRIOR CREDIT IN MGMT 130 IS RECOMMENDED FOR THIS ENROLLMENT BLOCK.
NEXT SEM ENROLLMENT BLOCK INCLUDES MGMT 301 AND SCM 301.
5282010 A2 MTWRF 10:00-11:00
MEETS: JUNE 17-JULY 12
Prereq: MGMT 370; ACCT 285; FIN 301; SCM 301; GRADING SENIOR
Note: AVAILABLE FOR NONMAJORS.
5285005 A1 MTWRF 7:30-9:30
MEETS: MAY 20-JUNE 14
Note: SECTION A1 RESTRICTED TO I BUS, MGMT, AG B, I TEC UNDERGRAD MAJORS ONLY
5285010 A2 MTWRF 7:30-9:30
MEETS: MAY 20-JUNE 14
Note: SECTION A2 RESTRICTED TO I BUS, BUS S, BUS U, MUSEC, BY S, FIN, LOMIS, MGMT, MIS, MRT, OSCM, SCM UNDERGRADS.
STRATEGIC MANAGEMENT MGMT 479 3 CREDITS
Prereq: MGMT 370; ACCT 285; FIN 301; MGT 340; SCM 301; GRADING SENIOR
Note: AVAILABLE FOR NONMAJORS.
5294005 A1 MTWRF 7:30-9:30
MEETS: MAY 20-JUNE 14
Note: SECTION A1 RESTRICTED TO I BUS, MGMT, AG B, I TEC UNDERGRAD MAJORS ONLY
5294010 B MTWRF 7:30-9:30
MEETS: JULY 15-AUG 9
INDEPENDENT STUDY MGMT 490 1-3 CREDITS
Prereq: MGMT 370, SENIOR CLASSIFICATION,
PERMISSION OF INSTRUCTOR
Note: COURSE NOT OPEN TO GRADUATE STUDENTS
Department permission required.******** SEE DEPT FOR REFERENCE NUMBERS

LIBRARY
INFORMAT LITERACY LIB 160 1 CREDIT
Prereq: FOR STUDENTS WHOSE NATIVE LANGUAGE IS NOT ENGLISH: COMPLETION OF ENGL 101 REQUIREMENT.
Satisfactory-Fail Only.
4862005 1 R 11:00-12:00
ARRANGED
MEETS: JUNE 17-JULY 12
4862010 2 TR 1:20-2:20
ARRANGED
MEETS: JUNE 17-JULY 12

LINGUISTICS
IND STDY LINGUISTICS LING 490B VAR. CREDITS
Prereq: 9 CR IN ENGL BEYOND ENGL 250 APPROPRIATE TO THE TOPIC; JR CLASSIFICATION, PERMISSION OF THE UNDERGRADUATES COMMITTEE
Note: Department permission required.******** SEE DEPT FOR REFERENCE NUMBERS

IND STDY LING ANTHR LING 490D 1-5 CREDITS
Prereq: 9 CREDITS IN ANTHROPOLOGY
Note: Instructor permission required 1st week.******** SEE DEPT FOR REFERENCE NUMBERS

LANGUAGE ASSESS PRACTM LING 513 3 CREDITS
Prereq: ENGL 519
9060005 A ARRANGED
MEETS: MAY 20-AUG 9
MANAGEMENT INFORMATION SYSTEMS

INDEPENDENT STUDY
MIS 490 1–3 CREDITS
Prereq: MIS 330, SENIOR CLASSIFICATION, PERMISSION OF INSTRUCTOR.
Note: Department permission required.

SPECIAL TOPICS
MIS 590 1–3 CREDITS
Prereq: PERMISSION OF INSTRUCTOR.

CREATIVE COMPONENT
MIS 599 3 CREDITS
Prereq: GRADUATE CLASSIFICATION, PERMISSION OF SUPERVISORY COMMITTEE CHAIR.

RESEARCH PRACTICUM I
MIS 650 1 CREDIT
Prereq: ENROLLMENT IN THE PH D PROGRAM.
MEETS: MAY 20–AUG 9

RESEARCH PRACTICUM II
MIS 651 1 CREDIT
Prereq: ENROLLMENT IN THE PH D PROGRAM.
MEETS: MAY 20–AUG 9

RESEARCH
MIS 699 3–6 CREDITS
Prereq: GRADUATE CLASSIFICATION, PERMISSION OF MAJOR PROFESSOR.

MARKETING

PRIN OF MARKETING
MKT 340 3 CREDITS
Prereq: CREDIT OR ENROLLMENT IN ECON 101.
Note: COURSE NOT OPEN TO BUSINESS MAJORS.

MKT 444, MKT 447

MKT 490 1–3 CREDITS
Prereq: MKT 340, SENIOR CLASSIFICATION, PERMISSION OF INSTRUCTOR.
Note: Course NOT OPEN TO GRADUATE STUDENTS.

MKT 491, MKT 492

MKT 498 3 CREDITS
Prereq: MKT 497, RECOMMENDED: E R 412 OR MAT E 334.

MKT 591 3 CREDITS
Prereq: PERMISSION OF INSTRUCTOR.

MKT 592 3 CREDITS
Prereq: PERMISSION OF INSTRUCTOR.

MKT 593 3 CREDITS
Prereq: PERMISSION OF DEPARTMENT.

MKT 691 3 CREDITS
Prereq: PERMISSION OF INSTRUCTOR.

MKT 692 3 CREDITS
Prereq: PERMISSION OF INSTRUCTOR.

MKT 693 3 CREDITS
Prereq: PERMISSION OF INSTRUCTOR.

MKT 694 3 CREDITS
Prereq: PERMISSION OF INSTRUCTOR.

MKT 695 3 CREDITS
Prereq: PERMISSION OF INSTRUCTOR.

MKT 696 3 CREDITS
Prereq: PERMISSION OF INSTRUCTOR.

MKT 697 3 CREDITS
Prereq: PERMISSION OF INSTRUCTOR.

MKT 698 3 CREDITS
Prereq: PERMISSION OF INSTRUCTOR.

MKT 699 3 CREDITS
Prereq: PERMISSION OF INSTRUCTOR.

MKT 791 3 CREDITS
Prereq: PERMISSION OF INSTRUCTOR.

MKT 792 3 CREDITS
Prereq: PERMISSION OF INSTRUCTOR.

MKT 793 3 CREDITS
Prereq: PERMISSION OF INSTRUCTOR.

MKT 794 3 CREDITS
Prereq: PERMISSION OF INSTRUCTOR.

MKT 795 3 CREDITS
Prereq: PERMISSION OF INSTRUCTOR.

MKT 796 3 CREDITS
Prereq: PERMISSION OF INSTRUCTOR.

MKT 797 3 CREDITS
Prereq: PERMISSION OF INSTRUCTOR.

MKT 798 3 CREDITS
Prereq: PERMISSION OF INSTRUCTOR.

MKT 799 3 CREDITS
Prereq: PERMISSION OF INSTRUCTOR.

MKT 891 3 CREDITS
Prereq: PERMISSION OF INSTRUCTOR.

MKT 892 3 CREDITS
Prereq: PERMISSION OF INSTRUCTOR.

MKT 893 3 CREDITS
Prereq: PERMISSION OF INSTRUCTOR.

MKT 894 3 CREDITS
Prereq: PERMISSION OF INSTRUCTOR.

MKT 895 3 CREDITS
Prereq: PERMISSION OF INSTRUCTOR.

MKT 896 3 CREDITS
Prereq: PERMISSION OF INSTRUCTOR.

MKT 897 3 CREDITS
Prereq: PERMISSION OF INSTRUCTOR.

MKT 898 3 CREDITS
Prereq: PERMISSION OF INSTRUCTOR.

MKT 899 3 CREDITS
Prereq: PERMISSION OF INSTRUCTOR.

MKT 991 3 CREDITS
Prereq: PERMISSION OF INSTRUCTOR.

MKT 992 3 CREDITS
Prereq: PERMISSION OF INSTRUCTOR.

MKT 993 3 CREDITS
Prereq: PERMISSION OF INSTRUCTOR.

MKT 994 3 CREDITS
Prereq: PERMISSION OF INSTRUCTOR.

MKT 995 3 CREDITS
Prereq: PERMISSION OF INSTRUCTOR.

MKT 996 3 CREDITS
Prereq: PERMISSION OF INSTRUCTOR.

MKT 997 3 CREDITS
Prereq: PERMISSION OF INSTRUCTOR.

MKT 998 3 CREDITS
Prereq: PERMISSION OF INSTRUCTOR.

MKT 999 3 CREDITS
Prereq: PERMISSION OF INSTRUCTOR.

MATERIALS ENGINEERING

COMPUT MTHDS MATRALS MAT E 316 3 CREDITS
Prereq: MAT E 215
Note: Available for nonmajor graduate credit.

MATH 104 3 CREDITS
Prereq: ECON 101.
Note: CREDIT FOR ONLY ONE OF THE FOLLOWING MAY BE APPLIED TOWARD GRADUATION: MATH E 215, MAT E 272, MAT E 392.

MATH 330 3 CREDITS
Prereq: MAT E 298, RECOMMENDED: E R 312 OR MAT E 334.

MATH 391 3 CREDITS
Prereq: PERMISSION OF DEPARTMENT, GRAD CLASSIFICATION.

MSE 395 3 CREDITS
Prereq: PERMISSION OF DEPARTMENT, GRAD CLASSIFICATION.

MSE 491 3 CREDITS
Prereq: PERMISSION OF DEPARTMENT, GRAD CLASSIFICATION.

MSE 591 3 CREDITS
Prereq: PERMISSION OF DEPARTMENT, GRAD CLASSIFICATION.

MSE 691 3 CREDITS
Prereq: PERMISSION OF DEPARTMENT, GRAD CLASSIFICATION.

MSE 791 3 CREDITS
Prereq: PERMISSION OF DEPARTMENT, GRAD CLASSIFICATION.

MSE 891 3 CREDITS
Prereq: PERMISSION OF DEPARTMENT, GRAD CLASSIFICATION.

MSE 991 3 CREDITS
Prereq: PERMISSION OF DEPARTMENT, GRAD CLASSIFICATION.

MATERIALS SCIENCE & ENGINEERING

TECHNLGY FOR TEACHERS M S E 570 2 CREDITS
Prereq: E R 120 OR E R 312.

MSE 395 3 CREDITS
Prereq: PERMISSION OF DEPARTMENT, GRAD CLASSIFICATION.

MSE 396 3 CREDITS
Prereq: PERMISSION OF DEPARTMENT, GRAD CLASSIFICATION.

ENRGR ENG INSTRUCTION M S E 697 3 CREDITS
Prereq: E R 120 OR E R 312.

MSE 396 3 CREDITS
Prereq: PERMISSION OF DEPARTMENT, GRAD CLASSIFICATION.

MATH 105 3 CREDITS
Prereq: SATISFACTORY PERFORMANCE ON PLACEMENT EXAM, 2 YRS OF HS ALGEBRA, 1 YR OF HS GEOMETRY.
Note: CREDITS EARNED IN MATH 104 CANNOT BE APPLIED TOWARD GRADUATION.

MATH 104 3 CREDITS
Prereq: SATISFACTORY PERFORMANCE ON PLACEMENT EXAM, 2 YRS OF HS ALGEBRA, 1 YR OF HS GEOMETRY.
Note: CREDITS EARNED IN MATH 104 CANNOT BE APPLIED TOWARD GRADUATION.

MATH 215 3 CREDITS
Prereq: SATISFACTORY PERFORMANCE ON PLACEMENT EXAM, 2 YRS OF HS ALGEBRA, 1 YR OF HS GEOMETRY.
Note: CREDITS EARNED IN MATH 104 CANNOT BE APPLIED TOWARD GRADUATION.

MATH 272 3 CREDITS
Prereq: SATISFACTORY PERFORMANCE ON PLACEMENT EXAM, 2 YRS OF HS ALGEBRA, 1 YR OF HS GEOMETRY.
Note: CREDITS EARNED IN MATH 104 CANNOT BE APPLIED TOWARD GRADUATION.

MATH 392 3 CREDITS
Prereq: SATISFACTORY PERFORMANCE ON PLACEMENT EXAM, 2 YRS OF HS ALGEBRA, 1 YR OF HS GEOMETRY.
Note: CREDITS EARNED IN MATH 104 CANNOT BE APPLIED TOWARD GRADUATION.

MATH 393 3 CREDITS
Prereq: SATISFACTORY PERFORMANCE ON PLACEMENT EXAM, 2 YRS OF HS ALGEBRA, 1 YR OF HS GEOMETRY.
Note: CREDITS EARNED IN MATH 104 CANNOT BE APPLIED TOWARD GRADUATION.

MATH 394 3 CREDITS
Prereq: SATISFACTORY PERFORMANCE ON PLACEMENT EXAM, 2 YRS OF HS ALGEBRA, 1 YR OF HS GEOMETRY.
Note: CREDITS EARNED IN MATH 104 CANNOT BE APPLIED TOWARD GRADUATION.

MATH 395 3 CREDITS
Prereq: SATISFACTORY PERFORMANCE ON PLACEMENT EXAM, 2 YRS OF HS ALGEBRA, 1 YR OF HS GEOMETRY.
Note: CREDITS EARNED IN MATH 104 CANNOT BE APPLIED TOWARD GRADUATION.

MATH 396 3 CREDITS
Prereq: SATISFACTORY PERFORMANCE ON PLACEMENT EXAM, 2 YRS OF HS ALGEBRA, 1 YR OF HS GEOMETRY.
Note: CREDITS EARNED IN MATH 104 CANNOT BE APPLIED TOWARD GRADUATION.

MATH 397 3 CREDITS
Prereq: SATISFACTORY PERFORMANCE ON PLACEMENT EXAM, 2 YRS OF HS ALGEBRA, 1 YR OF HS GEOMETRY.
Note: CREDITS EARNED IN MATH 104 CANNOT BE APPLIED TOWARD GRADUATION.

MATH 398 3 CREDITS
Prereq: SATISFACTORY PERFORMANCE ON PLACEMENT EXAM, 2 YRS OF HS ALGEBRA, 1 YR OF HS GEOMETRY.
Note: CREDITS EARNED IN MATH 104 CANNOT BE APPLIED TOWARD GRADUATION.
MATHEMATICS (CONTINUED)

COLLEGE ALGEBRA MATH 140 3 CREDITS
Prereq: SATISFACTORY PERFORMANCE ON PLACEMENT EXAM, 2 YRS OF HS ALGEBRA, 1 YR OF HS GEOMETRY
Note: CREDITS EARNED IN MATH 140 CANNOT BE APPLIED TOWARD GRADUATION BY MATH MAJORS. STUDENTS IN THE COLLEGE OF LIBERAL ARTS AND SCIENCES MAY NOT APPLY MATH 140 TOWARD GRADUATION IN GROUP III OF THE GENERAL EDUCATION REQUIREMENTS.
5132005 A MTWRF 9:50-10:50 MEETS: JUNE 17-JULY 9
5132010 B MTWRF 11:00-12:00 MEETS: MAY 20-JULY 12
5132020 C MTWRF 9:50-10:50 MEETS: JULY 9-AUG 2
5132015 W ARRANGED MEETS: MAY 20-JULY 12
Note: Course delivery is WWW

TRIGONOMETRY MATH 141 2 CREDITS
Prereq: SATISFACTORY PERFORMANCE ON PLACEMENT EXAM, 2 YEARS OF HIGH SCHOOL ALGEBRA, 1 YEAR OF HIGH SCHOOL GEOMETRY, OR ENROLLMENT IN MATH 140
Note: CREDIT FOR EITHER MATH 141 OR MATH 142, BUT NOT BOTH, MAY BE APPLIED TOWARD GRADUATION. CREDITS EARNED IN MATH 141 CANNOT BE APPLIED TOWARD GRADUATION BY MATH MAJORS. STUDENTS IN THE LAS COLLEGE MAY NOT APPLY MATH 141 TOWARD GRADUATION IN GROUP III OF THE GENERAL EDUCATION REQUIREMENTS.
5133005 A MTWRF 8:40-9:40 MEETS: MAY 20-JUNE 28
5133015 B MTWRF 8:40-9:40 MEETS: JUNE 17-JULY 26
5133020 C MTWRF 2:30-4:40 MEETS: JULY 9-26
5133030 W ARRANGED MEETS: MAY 20-JULY 12
Note: Course delivery is WWW

TRIGONOMETRIC ANALYSIS MATH 142 3 CREDITS
Prereq: SATISFACTORY PERFORMANCE ON PLACEMENT EXAM, 2 YEARS OF HIGH SCHOOL ALGEBRA, 1 YEAR OF HIGH SCHOOL GEOMETRY, OR ENROLLMENT IN MATH 140
Note: CREDIT FOR EITHER MATH 141 OR MATH 142, BUT NOT BOTH, MAY BE APPLIED TOWARD GRADUATION. CREDITS EARNED IN MATH 142 CANNOT BE APPLIED TOWARD GRADUATION BY MATH MAJORS. STUDENTS IN THE LAS COLLEGE MAY NOT APPLY MATH 142 TOWARD GRADUATION IN GROUP III OF THE GENERAL EDUCATION REQUIREMENTS.
5134005 A MTWRF 8:40-9:40 MEETS: MAY 20-JULY 12
5134015 B MTWRF 8:40-9:40 MEETS: JUNE 17-AUG 9
5134020 C MTWRF 2:30-4:40 MEETS: JULY 9-26
5134030 W ARRANGED MEETS: MAY 20-JULY 12
Note: Course delivery is WWW

DISC MATH BUS & SOC SCI MATH 150 3 CREDITS
Prereq: SATISFACTORY PERFORMANCE ON PLACEMENT EXAM, 2 YRS OF HS ALGEBRA, 1 YR OF HS GEOMETRY
Note: CREDIT FOR EITHER MATH 104 OR MATH 150, BUT NOT BOTH, MAY BE APPLIED TOWARD GRADUATION. CREDITS EARNED IN MATH 150 CANNOT BE APPLIED TOWARD GRADUATION BY MATH MAJORS.
5135005 A MTWRF 9:50-10:50 MEETS: JUNE 17-AUG 9
5135010 B MTWRF 11:00-12:00 MEETS: MAY 20-JULY 12

BUS & SOC SCI CALC MATH 151 3 CREDITS
Prereq: SATISFACTORY PERFORMANCE ON PLACEMENT EXAM, 2 YRS OF HS ALGEBRA, 1 YR OF HS GEOMETRY
Note: CREDIT FOR EITHER MATH 104 OR MATH 150, BUT NOT BOTH, MAY BE APPLIED TOWARD GRADUATION. CREDITS EARNED IN MATH 151 CANNOT BE APPLIED TOWARD GRADUATION BY MATH MAJORS. 6 CREDITS OF MATH 151, 181, 185 (OR 166) MAY BE APPLIED TOWARD GRADUATION IF NO OTHER CALCULUS HAS BEEN TAKEN.
5136005 A MTWRF 9:50-10:50 MEETS: MAY 20-JULY 12
5136010 B MTWRF 11:00-12:00 MEETS: MAY 20-JULY 12

CALCULUS I MATH 165 4 CREDITS
Prereq: SATISFACTORY PERFORMANCE ON PLACEMENT EXAM, 2 YEARS OF HS ALGEBRA, 1 YEAR OF HS GEOMETRY, 1 SEMESTER OF TRIGONOMETRY OR ENROLLMENT IN MATH 141 OR MATH 142
Note: CREDIT FOR EITHER MATH 104 OR MATH 150, BUT NOT BOTH, MAY BE APPLIED TOWARD GRADUATION. CREDITS EARNED IN MATH 151 CANNOT BE APPLIED TOWARD GRADUATION BY MATH MAJORS. 6 CREDITS OF MATH 151, 181, 185 (OR 166) MAY BE APPLIED TOWARD GRADUATION IF NO OTHER CALCULUS HAS BEEN TAKEN.
5138005 A MTWRF 8:40-10:00 MEETS: MAY 20-JULY 12
5138010 B MTWRF 8:40-10:00 MEETS: JUNE 17-AUG 9

MATHEMATICS (CONTINUED)

CALCULUS II MATH 166 4 CREDITS
Prereq: GRADE OF C- OR BETTER IN MATH 165 OR HIGH SCHOOL PLACEMENT SCORES FOR MATH 166-168
Note: ONLY ONE OF THE FOLLOWING COURSES/SEQUENCES OF COURSES MAY BE APPLIED TOWARD GRADUATION: MATH 151, MATH 165, MATH 166, MATH 181-182. 6 CREDITS OF MATH 151, MATH 161, MATH 165 (OR 166) MAY BE APPLIED TOWARD GRADUATION IF NO OTHER CALCULUS HAS BEEN TAKEN.
5139005 A MTWRF 11:00-12:20 MEETS: JUNE 17-JULY 12
5139015 B MTWRF 11:00-12:20 MEETS: JUNE 17-JULY 9
5139020 C MTWRF 11:00-12:20 MEETS: MAY 20-JULY 12

CALCULUS III MATH 265 4 CREDITS
Prereq: GRADE OF C- OR BETTER IN MATH 166 OR MATH 168
Note: CREDIT FOR EITHER MATH 267 OR THE MATH 266,268 PAIR OF COURSES, BUT NOT BOTH, MAY BE APPLIED TOWARD GRADUATION
5150005 A MTWRF 12:10-1:30 MEETS: MAY 20-JULY 28
515010 B MTWRF 12:10-1:30 MEETS: MAY 20-JULY 28
515015 C MTWRF 12:10-1:30 MEETS: JUNE 17-JULY 26

DIFF EQ & TRANSFORMS MATH 267 4 CREDITS
Prereq: GRADE OF C- OR BETTER IN MATH 166 OR MATH 168
Note: CREDIT FOR EITHER MATH 267 OR THE MATH 266,268 PAIR OF COURSES, BUT NOT BOTH, MAY BE APPLIED TOWARD GRADUATION
5153005 A MTWRF 12:10-1:30 MEETS: MAY 20-JULY 12
5153010 B MTWRF 12:10-1:30 MEETS: MAY 20-JULY 12
5153015 C MTWRF 12:10-1:30 MEETS: JUNE 17-AUG 9

INDEPENDENT STUDY MATH 290 1-3 CREDITS
Note: Department permission required.
5156005 ARRANGED MEETS: MAY 20-AUG 9

INDEPENDENT STUDY HONORS MATH 290H 1-3 CREDITS
Note: Department permission required.
5157005 ARRANGED MEETS: MAY 20-AUG 9

MATRICES LINEAR ALGEBRA MATH 307 3 CREDITS
Prereq: 2 SEMESTERS OF CALCULUS
Note: CREDIT FOR EITHER MATH 307 OR MATH 317, BUT NOT BOTH, MAY BE APPLIED TOWARD GRADUATION AVAILABLE FOR NONMAJOR GRADUATE CREDIT
5161005 A MTWRF 9:50-10:50 MEETS: MAY 20-JULY 12

INDEPENDENT STUDY MATH 309 1-3 CREDITS
Prereq: MEMBERSHIP IN UNIV HONORS PROGRAM
Note: Department permission required.
5150005 ARRANGED MEETS: MAY 20-AUG 9

ANALYSIS I MATH 414 3 CREDITS
Prereq: MATH 201; MATH 245; AND MATH 307 OR MATH 317
Note: Available for nonmajor graduate credit
5171005 MTWRF 11:00-12:00 MEETS: MAY 20-JULY 12

INDEPENDENCE STUDY MATH 490 1-3 CREDITS
Prereq: MATH 301 OR MATH 317; 6 CREDITS IN MATH
Note: No more than 9 credits of Math 490 may be applied toward graduation
5182005 ARRANGED MEETS: MAY 20-AUG 9

ANALYSIS II MATH 491 3 CREDITS
Prereq: MATH 414
Note: Department permission required.
INTRO REAL ANALYSIS MATH 501 3 CREDITS 
Prereq: MATH 265 AND (MATH 307 OR MATH 317) 
7394005 MWF 8:40-9:55 MEETS: MAY 20-JUNE 12 

ED SMNR GEO&MODISCR MATH 540B 1 CREDIT 
Prereq: ENROLLMENT IN THE MASTER OF SCHOOL MATHEMATICS PROGRAM OR PROFESSIONAL STUDIES IN EDUC 6499010 2 W 11:10-1:20 MEETS: JUNE 17-AUG 2 

INTERMED CALCULUS MATH 545 4 CREDITS 
Prereq: 3 SEMESTERS OF CALCULUS & ENROLLMENT IN THE MASTER OF SCHOOL MATHEMATICS PROGRAM 5212005 MTWRF 7:30-9:20 MEETS: JUNE 17-AUG 2 

ALGTH &CPTR IMPLM MATH 546 3 CREDITS 
Prereq: 3 SEMESTERS IN CALCULUS OR CONCURRENT ENROLLMENT MATH 545 AND ENROLLMENT IN THE MASTER OF SCHOOL MATH PROGRAM 5213005 MTWRF 9:40-11:00 MEETS: JUNE 17-AUG 2 

INDEPENDENT STUDY MATH 590 VAR. CREDITS 
See dept for reference numbers 

CREATIVE COMPONENT MATH 599 VAR. CREDITS 
See dept for reference numbers 

SEMINAR MATH 610 VAR. CREDITS 
5231005 ARRANGED MEETS: MAY 20-AUG 9 

MECHANICAL ENGINEERING 

ENG GPHC&INTR DSGN M E 170 3 CREDITS 
Prereq: CREDIT OR ENROLLMENT IN MATH 142; SATISFACTORY SCORES ON MATHEMATICS PLACEMENT ASSESSMENT 8346005 1 MTWRF 12:10-2:00 MEETS: JULY 1-AUG 9 

ENGR THERMODYNMS I M E 231 3 CREDITS 
Prereq: MATH 265, CHEM 167, PHYS 222 
Note: CREDIT FOR EITHER M E 231 OR M E 330, BUT NOT BOTH, MAY APPLY TOWARD GRADUATION. COURSE RESTRICTED TO ENGINEERING COLLEGE MAJORS ONLY. 4877005 A MTWRF 12:10-1:10 MEETS: MAY 20-JUNE 28 

COOPERATIVE EDUCAT M E 298 R CREDIT 
Prereq: PERMISSION OF DEPT CHAIR 
See dept for reference numbers 

MANUFACTURING ENGR M E 324 4 CREDITS 
Prereq: M E 270, M E 324, M E 273 
Note: COURSE RESTRICTED TO M E, A E MAJORS ONLY 
Available for nonmajor graduate credit 6277005 A MTWRF 7:30-8:50 TR 1:20-3:45 MEETS: JULY 1-AUG 9 
6277010 B MTWRF 7:30-8:50 TR 9:50-11:25 MEETS: JULY 1-AUG 9 

MACHINE DESIGN M E 325 3 CREDITS 
Prereq: M E 170, M E 324 
Note: COURSE RESTRICTED TO A E, M E MAJORS ONLY 
Available for nonmajor graduate credit 6287005 A MTWRF 7:30-8:50 MEETS: MAY 20-JUNE 28 

ENGR THERMODYNMS II M E 332 3 CREDITS 
Prereq: M E 231 
Note: COURSE RESTRICTED TO M E MAJORS ONLY 
Available for nonmajor graduate credit 4878005 1 MTWRF 12:10-1:10 MEETS: JULY 1-AUG 9 

FLUID FLOW M E 335 4 CREDITS 
Prereq: CREDIT OR ENROLLMENT IN M E 332, M E 345, MATH 266 OR MATH 267 
Note: Available for nonmajor graduate credit 5703005 1 MTWRF 11:00-12:20 TR 2:30-4:55 MEETS: MAY 20-JUNE 28 
5703010 2 MTWRF 11:00-12:20 MW 11:30-1:55 MEETS: MAY 20-JUNE 28
MECHANICAL ENGINEERING (CONTINUED)

ADV TOP SENSIV MTMD M E 690N VAR. CREDITS
Satisfactory-Fail Only. See dept for reference numbers.

ADV TOP ENGR COMPUT M E 690P VAR. CREDITS
Satisfactory-Fail Only. See dept for reference numbers.

ADV TOP ENGR MEASUR M E 690Q VAR. CREDITS
Satisfactory-Fail Only. See dept for reference numbers.

ADV TOP LIT INVEST M E 690R VAR. CREDITS
Satisfactory-Fail Only. See dept for reference numbers.

ENGINEER INTERNSHIP M E 697 R CREDIT
PreReq: PERMISSION OF DIRECTOR OF GRADUATE EDUCATION, GRAD CLASSIFICATION
Note: MATERIALS FEE $145.00

8426005 ARRANGED
MEETS: MAY 20-AUG 9

RESEARCH M E 699 VAR. CREDITS
Satisfactory-Fail Only. See dept for reference numbers.

METEOROLOGY

COOPERATIVE EDUCATN MTEOR 298 R CREDIT
PreReq: PERMISSION OF THE DEPT COOPERATIVE EDUCATION COORDINATOR; JR CLASSIFICATION
Note: MATERIALS FEE $145.00

4813005 ARRANGED
MEETS: MAY 20-AUG 9

METEOROL INTERNSHIP MTEOR 321 1-2 CREDITS
PreReq: MTEOR 311; JR OR SR STANDING; PERMISSION OF COOP PROGRAM COORD; ACCEPTANCE BY SPONSORING AGENCY
Satisfactory-Fail Only.

5381005 ARRANGED
MEETS: MAY 20-AUG 9

COOPERATIVE EDUCATN MTEOR 398 R CREDIT
PreReq: PERMISSION OF THE DEPT COOPERATIVE EDUCATION COORDINATOR; SR CLASSIFICATION

4823005 ARRANGED
MEETS: MAY 20-AUG 9

IND STUDY SYNOPTIC MTEOR 490A 1-3 CREDITS
PreReq: 6 CREDITS IN MTEOR, INSTRUCTOR PERMISSION
Note: NO MORE THAN 9 CREDITS IN MTEOR 490 MAY BE APPLIED TOWARD GRADUATION

8424005 ARRANGED
MEETS: MAY 20-AUG 9

INDEP STUDY DYNAMIC MTEOR 490B 1-3 CREDITS
PreReq: 6 CREDITS IN MTEOR, INSTRUCTOR PERMISSION
Note: NO MORE THAN 9 CREDITS IN MTEOR 490 MAY BE APPLIED TOWARD GRADUATION

8425005 ARRANGED
MEETS: MAY 20-AUG 9

IND STUDY PHYSICAL MTEOR 490C 1-3 CREDITS
PreReq: 6 CREDITS IN MTEOR, INSTRUCTOR PERMISSION
Note: NO MORE THAN 9 CREDITS IN MTEOR 490 MAY BE APPLIED TOWARD GRADUATION

8426005 ARRANGED
MEETS: MAY 20-AUG 9

IND STUDY INSTRUMENTN MTEOR 490D 1-3 CREDITS
PreReq: 6 CREDITS IN MTEOR, INSTRUCTOR PERMISSION
Note: NO MORE THAN 9 CREDITS IN MTEOR 490 MAY BE APPLIED TOWARD GRADUATION

1010005 ARRANGED
MEETS: MAY 20-AUG 9

IND STUDY HYDROLOGY MTEOR 490E 1-3 CREDITS
PreReq: 6 CREDITS IN MTEOR, INSTRUCTOR PERMISSION
Note: NO MORE THAN 9 CREDITS IN MTEOR 490 MAY BE APPLIED TOWARD GRADUATION

8668005 ARRANGED
MEETS: MAY 20-AUG 9

IND STUDY CLIMATE/WTR MTEOR 490F 1-3 CREDITS
PreReq: 6 CREDITS IN MTEOR, INSTRUCTOR PERMISSION
Note: NO MORE THAN 9 CREDITS IN MTEOR 490 MAY BE APPLIED TOWARD GRADUATION

3583005 ARRANGED
MEETS: MAY 20-AUG 9

COOPERATIVE EDUCATN MTEOR 498 R CREDIT
PreReq: PERMISSION OF THE DEPT COOPERATIVE EDUCATION COORDINATOR; SR CLASSIFICATION

4824005 ARRANGED
MEETS: MAY 20-AUG 9

SPL TOP BOUND-LAYER MTEOR 590A 1-3 CREDITS
PreReq: PERMISSION OF INSTRUCTOR

8427005 ARRANGED
MEETS: MAY 20-AUG 9

METEOROLOGY (CONTINUED)

SPL TOPICS TROPICAL MTEOR 590B 1-3 CREDITS
PreReq: PERMISSION OF INSTRUCTOR

8429005 ARRANGED
MEETS: MAY 20-AUG 9

SPL TOPICS MESOSCALE MTEOR 590C 1-3 CREDITS
PreReq: PERMISSION OF INSTRUCTOR

8430005 ARRANGED
MEETS: MAY 20-AUG 9

SPL TOP GLOBAL SYST MTEOR 590D 1-3 CREDITS
PreReq: PERMISSION OF INSTRUCTOR

8431005 ARRANGED
MEETS: MAY 20-AUG 9

SPL TOPC CLIM MODEL MTEOR 590E 1-3 CREDITS
PreReq: PERMISSION OF INSTRUCTOR

8432005 ARRANGED
MEETS: MAY 20-AUG 9

SPL TOP NUMERI PRD MTEOR 590F 1-3 CREDITS
PreReq: PERMISSION OF INSTRUCTOR

8433005 ARRANGED
MEETS: MAY 20-AUG 9

SPL TOP SATEL OBSRV MTEOR 590G 1-3 CREDITS
PreReq: PERMISSION OF INSTRUCTOR

8434005 ARRANGED
MEETS: MAY 20-AUG 9

SPL TOP STAT METNDS MTEOR 590H 1-3 CREDITS
PreReq: PERMISSION OF INSTRUCTOR

8435005 ARRANGED
MEETS: MAY 20-AUG 9

SPL TOP FIELD OBSRV MTEOR 590I 1-3 CREDITS
PreReq: PERMISSION OF INSTRUCTOR

8437005 ARRANGED
MEETS: MAY 20-AUG 9

SPL TOP LOW FREQ MD MTEOR 590J 1-3 CREDITS
PreReq: PERMISSION OF INSTRUCTOR

1230005 ARRANGED
MEETS: MAY 20-AUG 9

SPL TOPC CLOUD PHYS MTEOR 590K 1-3 CREDITS
PreReq: PERMISSION OF INSTRUCTOR

3901005 ARRANGED
MEETS: MAY 20-AUG 9

SPL TOP ATMOS RADIA MTEOR 590L 1-3 CREDITS
PreReq: PERMISSION OF INSTRUCTOR

3904005 ARRANGED
MEETS: MAY 20-AUG 9

SPL TOPCS HYDROLOGY MTEOR 590M 1-3 CREDITS
PreReq: PERMISSION OF INSTRUCTOR

8669005 ARRANGED
MEETS: MAY 20-AUG 9

SP TOP GEOPH FLU DY MTEOR 590N 1-3 CREDITS
PreReq: PERMISSION OF INSTRUCTOR

9186120 TC ARRANGED
MEETS: MAY 20-AUG 9

RESEARCH MTEOR 699 VAR. CREDITS
Satisfactory-Fail Only. See dept for reference numbers.

MICROBIOLOGY

Biol microorganismS MICRO 302 3 CREDITS
PreReq: BIOL 211, CREDIT OR ENROLLMT IN BIOL 212; ONE SEMESTER OF CHEMISTRY

1426005 MTWRF 9:50-10:50 MEETS: MAY 20-JULY 12

MICROBIOLOGY LAB MICRO 302L 1 CREDIT
PreReq: CREDIT OR ENROLLMENT IN MICRO 302
Note: MATERIALS FEE $145.00

3024005 1 MTWR 11:00-1:00 MEETS: MAY 20-JULY 12

INDEPENDENT STUDY MICRO 490 1-5 CREDITS
PreReq: A MINIMUM OF 6 CR HOURS OF 300-LEVEL OR ABOVE COURSEWORK IN MICRO, PERMISSION OF INSTRUCTOR
Note: NO MORE THAN 6 CREDITS OF MICRO 490 MAY BE APPLIED TOWARD THE TOTAL OF 128 CREDITS REQUIRED FOR GRADUATION
Instructor permission required 1st week.

***** See dept for reference numbers.
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
<th>Prerequisites</th>
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<tbody>
<tr>
<td>118A</td>
<td>Applied Music Voice</td>
<td>1-2 credits</td>
<td>audition, permission of instructor</td>
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<tr>
<td>118B</td>
<td>Applied Music Piano</td>
<td>1-2 credits</td>
<td>audition, permission of instructor</td>
</tr>
<tr>
<td>119B</td>
<td>Applied Music Strings</td>
<td>1-2 credits</td>
<td>audition, permission of instructor</td>
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<tr>
<td>119C</td>
<td>Applied Music Woodwind</td>
<td>1-2 credits</td>
<td>audition, permission of instructor</td>
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<tr>
<td>119D</td>
<td>Applied Music Strings</td>
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<td>audition, permission of instructor</td>
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<td>119E</td>
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<td>119F</td>
<td>Applied Music Voice</td>
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<td>119G</td>
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<td>119H</td>
<td>Applied Music Percussion</td>
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<td>119Z</td>
<td>Applied Music Voice</td>
<td>1-3 credits</td>
<td>audition, permission of instructor</td>
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</tbody>
</table>

Note: All courses are offered only for 1-2 credits during Summer 2013. Instructor permission required.
SPECIAL PROB HONORS MUSIC 290H VAR. CREDITS
Prereq: PERMISSION OF INSTRUCTOR; 12 CREDITS IN MUSIC, APPROVAL OF DEPARTMENT CHAIR, MEMBERSHIP IN UNIVERSITY HONORS PROGRAM
Note: COURSE RESTRICTED TO HONORS PROGRAM STUDENTS ONLY
*******
SEE DEPT FOR REFERENCE NUMBERS

APPLIED MUSIC PIANO MUSIC 318B 1-2 CREDITS
Prereq: AUDITION, PERMISSION OF INSTRUCTOR
Note: Course only offered for 1-2 credits Summer 2013
Applied Music fee $150.00-$190.00
*******
SEE DEPT FOR REFERENCE NUMBERS

APPLIED MUSIC STRINGS MUSIC 318D 1-2 CREDITS
Prereq: AUDITION, PERMISSION OF INSTRUCTOR
Note: Applied Music fee $150.00-$190.00
*******
SEE DEPT FOR REFERENCE NUMBERS

APPLIED MUSIC WOODWIND MUSIC 318F 1-2 CREDITS
Prereq: AUDITION, PERMISSION OF INSTRUCTOR
Note: Applied Music fee $150.00-$190.00
*******
SEE DEPT FOR REFERENCE NUMBERS

APPLIED MUSIC VOICE MUSIC 319A 1-3 CREDITS
Prereq: AUDITION, INSTRUCTOR PERMISSION, MUSIC MAJOR
Note: Course only offered for 1-2 credits Summer 2013
Applied Music fee $150.00-$190.00
*******
SEE DEPT FOR REFERENCE NUMBERS

APPLIED MUSIC PIANO MUSIC 319B 1-3 CREDITS
Prereq: AUDITION, INSTRUCTOR PERMISSION, MUSIC MAJOR
Note: Course only offered for 1-2 credits Summer 2013
Applied Music fee $150.00-$190.00
*******
SEE DEPT FOR REFERENCE NUMBERS

APPLIED MUSIC STRINGS MUSIC 319D 1-3 CREDITS
Prereq: AUDITION, INSTRUCTOR PERMISSION, MUSIC MAJOR
Note: Applied Music fee $150.00-$190.00
*******
SEE DEPT FOR REFERENCE NUMBERS

APPLIED MUSIC CARILLON MUSIC 319E 1-3 CREDITS
Prereq: AUDITION, INSTRUCTOR PERMISSION, MUSIC MAJOR
Note: Applied Music fee $150.00-$190.00
*******
SEE DEPT FOR REFERENCE NUMBERS

APPLIED MUSIC BRASS MUSIC 419G 1-3 CREDITS
Prereq: AUDITION, INSTRUCTOR PERMISSION, MUSIC MAJOR
Note: COURSE RESTRICTED TO HONORS PROGRAM STUDENTS ONLY
UNIVERSITY HONORS PROGRAM
Prereq: INSTRUCTOR PERMISSION, 12 CREDITS IN MUSIC, APPROVAL OF DEPARTMENT CHAIR, MEMBERSHIP IN UNIVERSITY HONORS PROGRAM
Note: COURSE RESTRICTED TO HONORS PROGRAM STUDENTS ONLY

APPLIED MUSIC WOODWIND MUSIC 419F 1-3 CREDITS
Prereq: AUDITION, INSTRUCTOR PERMISSION, MUSIC MAJOR
Note: COURSE RESTRICTED TO HONORS PROGRAM STUDENTS ONLY
APPLIED MUSIC CARILLON MUSIC 419E 1-3 CREDITS
Prereq: AUDITION, INSTRUCTOR PERMISSION, MUSIC MAJOR
Note: COURSE RESTRICTED TO HONORS PROGRAM STUDENTS ONLY
APPLIED MUSIC PIANO MUSIC 419B 1-3 CREDITS
Prereq: AUDITION, INSTRUCTOR PERMISSION, MUSIC MAJOR
Note: COURSE RESTRICTED TO HONORS PROGRAM STUDENTS ONLY
APPLIED MUSIC VOICE MUSIC 419A 1-3 CREDITS
Prereq: AUDITION, INSTRUCTOR PERMISSION, MUSIC MAJOR
Note: COURSE RESTRICTED TO HONORS PROGRAM STUDENTS ONLY

INDIEP STU MUSIC ED MUSIC 490A VAR. CREDITS
Prereq: INSTRUCTOR PERMISSION, 12 CREDITS IN MUSIC, APPROVAL OF DEPARTMENT CHAIR
Note: Instructor permission required 1st week.
*******
SEE DEPT FOR REFERENCE NUMBERS

INDIEP STUDY HISTORY MUSIC 490D VAR. CREDITS
Prereq: INSTRUCTOR PERMISSION, 12 CREDITS IN MUSIC, APPROVAL OF DEPARTMENT CHAIR
Note: Instructor permission required 1st week.
*******
SEE DEPT FOR REFERENCE NUMBERS

INDIEP STUDY LITERATURE MUSIC 490E VAR. CREDITS
Prereq: INSTRUCTOR PERMISSION, 12 CREDITS IN MUSIC, APPROVAL OF DEPARTMENT CHAIR
Note: Instructor permission required 1st week.
*******
SEE DEPT FOR REFERENCE NUMBERS

INDIEP STUDY APPL MUSIC MUSIC 490F VAR. CREDITS
Prereq: INSTRUCTOR PERMISSION, 12 CREDITS IN MUSIC, APPROVAL OF DEPARTMENT CHAIR
Note: Instructor permission required 1st week.
*******
SEE DEPT FOR REFERENCE NUMBERS

INDIEP STUDY HONORS MUSIC 490H VAR. CREDITS
Prereq: INSTRUCTOR PERMISSION, 12 CREDITS IN MUSIC, APPROVAL OF DEPARTMENT CHAIR, MEMBERSHIP IN UNIVERSITY HONORS PROGRAM
Note: COURSE RESTRICTED TO HONORS PROGRAM STUDENTS ONLY
*******
SEE DEPT FOR REFERENCE NUMBERS

SPEC TOPICS EDUC MUSIC 590A VAR. CREDITS
Prereq: PERMISSION OF INSTRUCTOR, APPROVAL OF DEPARTMENT HEAD
Note: Instructor permission required 1st week.
*******
SEE DEPT FOR REFERENCE NUMBERS
**NATURAL RESOURCE ECOLOGY AND MGMT**

**INTERNSHIP**
- NREM 303 1-3 CREDITS
  - Prereq: PERMISSION OF INSTRUCTOR, SOPH STANDING
  - SEE DEPT FOR REFERENCE NUMBERS

**UNDERGRAD INTERNSHIP**
- NREM 303I 1-5 CREDITS
  - Prereq: PERMISSION OF INSTRUCTOR AND SOPHOMORE STANDING
  - Note: Permission of Lakeside Lab Office required
  - http://www.continuetolearn.uiowa.edu/lakesidelab
  - 4355005 ARRANGED
  - Note: Tuition Category: Iowa Lakeside Lab

**IND STDY ANIMAL ECO**
- NREM 409A 1-4 CREDITS
  - Prereq: JR OR SR CLASSIFICATION, INSTRUCTOR PERMISSION
  - SEE DEPT FOR REFERENCE NUMBERS

**IND DEP STUDY FORESTRY**
- NREM 409B 1-4 CREDITS
  - Prereq: JR OR SR CLASSIFICATION, INSTRUCTOR PERMISSION
  - SEE DEPT FOR REFERENCE NUMBERS

**IND DEP STUDY HONORS**
- NREM 409H 1-4 CREDITS
  - Prereq: JR OR SR CLASSIFICATION, INSTRUCTOR PERMISSION
  - MEMBERSHIP IN UNIVERSITY HONORS PROGRAM
  - SEE DEPT FOR REFERENCE NUMBERS

**UG INDEP STDY IA LL**
- NREM 490I 1-4 CREDITS
  - Prereq: JR OR SR CLASSIFICATION AND PERMISSION OF INSTRUCTOR
  - Note: Permission of Lakeside Lab Office required
  - http://www.continuetolearn.uiowa.edu/lakesidelab
  - 8987005 1 ARRANGED
  - MEETS: MAY 20-JUNE 14
  - Note: Tuition Category: Iowa Lakeside Lab
  - 8987010 2 ARRANGED
  - MEETS: JUNE 17-JULY 12
  - Note: Tuition Category: Iowa Lakeside Lab

**AQUATIC ECOLOGY**
- NREM 508I 4 CREDITS
  - Prereq: COURSES IN ECOLOGY, CHEMISTRY, & PHYSICS
  - Note: Permission of Lakeside Lab Office required
  - http://www.continuetolearn.uiowa.edu/lakesidelab
  - 3861005 MTWRF 8:00-5:00
  - MEETS: MAY 20-JUNE 14
  - Note: Tuition Category: Iowa Lakeside Lab

**INTRO DNA TECHNIQS**
- NUTRS 542A 1 CREDIT
  - Prereq: GRADUATE CLASSIFICATION
  - SEE DEPT FOR REFERENCE NUMBERS
  - 3744005 1 MTRF 1:00-2:00
  - MTRF 2:00-4:00
  - MEETS: JUNE 17-JULY 2

**INTR PROTEIN TECHNQ**
- NUTRS 542B 1 CREDIT
  - Prereq: GRADUATE CLASSIFICATION
  - SEE DEPT FOR REFERENCE NUMBERS
  - 3806005 1 MTRF 1:00-2:00
  - MTRF 2:00-4:00
  - MEETS: JULY 15-30

**SPL TOPCS ANIML ECO**
- NREM 509A 1-4 CREDITS
  - Prereq: PERMISSION OF INSTRUCTOR
  - SEE DEPT FOR REFERENCE NUMBERS

**PHILOSOPHY**

**INTRO TO PHILOSOPHY**
- PHIL 201 3 CREDITS
  - Prereq: PHYS 222, MATH 266 OR MATH 267
  - http://www.continuetolearn.uiowa.edu/lakesidelab
  - 7741005 MTWRF 8:40-10:00
  - MEETS: MAY 20-JUNE 28

**MORAL THEOR&PRCTICE**
- PHIL 230 3 CREDITS
  - Prereq: JR OR SR CLASSIFICATION
  - SEE DEPT FOR REFERENCE NUMBERS
  - 7544005 ARRANGED
  - Note: Available for nonmajor graduate credit

**PERFORMING ARTS**

**PERFORM ARTS INTERN**
- PERF 310 1-8 CREDITS
  - Prereq: PERMISSION OF INSTRUCTOR
  - ARRANGED
  - MEETS: MAY 20-AUG 9

**PERFM ARTS SEMINAR**
- PERF 400 2 CREDITS
  - Note: Available for nonmajor graduate credit
  - 3706005 ARRANGED
  - MEETS: MAY 20-JULY 12

**ORGANIZATION FOR TROPICAL STUDIES**

**ECO TROPICAL BIOLOGY**
- OTS 510 8 CREDITS
  - 7535005 ARRANGED

**PHYSICS**

**INTRO PHYSICS**
- PHYS 211 1 CREDIT
  - Prereq: PHYS 221
  - 3744005 MTWRF 1:00-2:00
  - MTRF 2:00-4:00
  - MEETS: JUNE 17-JULY 2

**INTRO TO PHYSICS**
- PHYS 212 3 CREDITS
  - Prereq: PHYS 211
  - 3806005 MTWRF 8:40-10:00
  - MEETS: MAY 20-JUNE 14

**RES RCH NUTRNL SCI**
- NUTRS 699 1-12 CREDITS
  - Note: COURSE ONLY OFFERED FOR 1-9 CREDITS SUMMER 2013
  - SEE DEPT FOR REFERENCE NUMBERS

**RESRCH NUTRNL SCI**
- NUTRS 699 VAR. CREDITS
  - SEE DEPT FOR REFERENCE NUMBERS

**SPECIAL TOPICS**

**SPCL TOPICS ANIML ECO**
- NREM 590A 1-4 CREDITS
  - Prereq: PERMISSION OF INSTRUCTOR
  - SEE DEPT FOR REFERENCE NUMBERS

**SPCL TOPICS COMPOSIT**
- NREM 590C VAR. CREDITS
  - Prereq: PERMISSION OF INSTRUCTOR
  - SEE DEPT FOR REFERENCE NUMBERS

**SPCL TOPICS APPL MUSIC**
- MUSIC 590F VAR. CREDITS
  - Prereq: PERMISSION OF INSTRUCTOR
  - SEE DEPT FOR REFERENCE NUMBERS

**SPCL TOPICS THEORY**
- MUSIC 590B VAR. CREDITS
  - SEE DEPT FOR REFERENCE NUMBERS

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

**TEACHING PRACTICUM**
- NREM 698 1 CREDIT
  - Satisfactory-Fail Only.
  - SEE DEPT FOR REFERENCE NUMBERS

**RESEARCH**
- NREM 699 1-12 CREDITS
  - Note: COURSE ONLY OFFERED FOR 1-9 CREDITS SUMMER 2013
  - SEE DEPT FOR REFERENCE NUMBERS

**NEUROSCIENCE**

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

**NUCLEAR ENGINEERING**

**NUCL RAD THRYANGR**
- NUC E 401 3 CREDITS
  - Prereq: PHYS 222, MATH 266 OR MATH 267
  - Note: Available for nonmajor graduate credit
  - 7741005 MTWRF 8:40-10:00
  - MEETS: MAY 20-JUNE 28

**NUTRITIONAL SCIENCES**

**INTRO DNA TECHNIQS**
- NUTRS 542A 1 CREDIT
  - Prereq: GRADUATE CLASSIFICATION
  - SEE DEPT FOR REFERENCE NUMBERS

**INTRO PROTEIN TECHNQ**
- NUTRS 542B 1 CREDIT
  - Prereq: GRADUATE CLASSIFICATION
  - SEE DEPT FOR REFERENCE NUMBERS

**PERFORM ARTS INTERN**
- PERF 310 1-8 CREDIT
  - Prereq: PERMISSION OF INSTRUCTOR
  - ARRANGED
  - MEETS: MAY 20-JUNE 28
PHILOSOPHY (CONTINUED)

INDEPENDENT STUDY PHYS 490 1–4 CREDITS
Prereq: 6 CREDITS IN PHIL, PERMISSION OF INSTRUCTOR; APPROVAL OF CHAIR. INDEPENDENT STUDY: APPROVAL OF CHAIR, MEMBERSHIP IN UNIV HONORS PROGRAM; NO MORE THAN 9 CREDITS OF PHYS 490 MAY BE APPLIED TOWARD GRADUATION. SEE DEPT FOR REFERENCE NUMBERS

INDEPENDENT STUDY HONORS PHYS 490H 1–4 CREDITS
Prereq: 6 CREDITS IN PHIL, PERMISSION OF INSTR, APPROVAL OF CHAIR, MEMBERSHIP IN UNIV HONORS PROGRAM; NO MORE THAN 9 CREDITS OF PHYS 490H MAY BE APPLIED TOWARD GRADUATION. COURSE RESTRICTED TO STUDENTS WHO HAVE ENROLLED IN CONCURRENT COURSE 109. SEE DEPT FOR REFERENCE NUMBERS

GRADUATING SR SURVEY PHYS 492 R CREDIT
Note: COURSE RESTRICTED TO PHIL SENIORS GRADUATING 1'13 SATISFACTORY–FAIL ONLY.

SPCL TOPC HISTORY P PHYS 590A 2–4 CREDITS
Prereq: INSTRUCTOR PERMISSION, 9 CR IN PHYS

SPCL TOP EPIS&METAPH PHYS 590B 2–4 CREDITS
Prereq: INSTRUCTOR PERMISSION, 9 CR IN PHYS

SPCL TOP VALUE THRY PHYS 590C 2–4 CREDITS
Prereq: INSTRUCTOR PERMISSION, 9 CR IN PHYS
Note: Instructor permission required.

SPCL TOP LOGIC&P SCI PHYS 590D 2–4 CREDITS
Prereq: INSTRUCTOR PERMISSION, 9 CR IN PHYS

GENERAL PHYSICS PHYS 111 4–5 CREDITS
Preq: 1 AND 1/2 YRS OF HS ALGEBRA, 1 YR OF GEOMETRY, 1 SEMESTER OF TRIGONOMETRY

5857005 1 MTWR 12:10–1:10
TWRF 9:50–10:50
MW 7:30–9:40
MEETS: JUNE 17–AUG 9
Note: Materials and professional support fee $90.00

5857010 2 MTWR 12:10–1:10
TWRF 9:50–10:50
MW 7:30–9:40
MEETS: JUNE 17–AUG 9

5857015 3 MTWR 12:10–1:10
TWRF 9:50–10:50
MW 7:30–9:40
MEETS: JUNE 17–AUG 9

Note: Materials and professional support fee $90.00

GENERAL PHYSICS PHYS 112 4–5 CREDITS
Preq: PHYS 111

5858005 1 MTWRF 1:20–2:20
TR 9:50–10:50
MW 9:50–12:00
MEETS: JUNE 17–AUG 9
Note: Materials and professional support fee $90.00

5858010 2 MTWRF 1:20–2:20
TR 9:50–10:50
MW 9:50–12:00
MEETS: JUNE 17–AUG 9
Note: Materials and professional support fee $90.00

INTR CLASSCL PHYS I PHYS 221 5 CREDITS
Prereq: 6 CREDITS IN PHYS, PERMISSION OF INSTRUCT, MEMBERSHIP IN HONORS PROGRAM; NO MORE THAN 9 CREDITS OF PHYS 221 MAY BE APPLIED TOWARD GRADUATION. COURSE RESTRICTED TO HONORS PROGRAM STUDENTS ONLY.

5861005 1 MTWRF 9:50–10:50
MW 8:40–9:40
R 7:30–9:40
MEETS: JUNE 17–AUG 9
Note: Materials and professional support fee $90.00

5861010 2 MTWRF 9:50–10:50
MW 8:40–9:40
R 7:30–9:40
MEETS: JUNE 17–AUG 9
Note: Materials and professional support fee $90.00

INTR CLASSCL PHYS II PHYS 222 5 CREDITS
Prereq: PHYS 221, MATH 166

5863005 1 MTWRF 11:00–12:00
WF 8:40–9:40
TR 12:10–2:10
MEETS: JUNE 17–AUG 9
Note: Materials and professional support fee $90.00

5863010 2 MTWRF 11:00–12:00
WF 9:50–10:50
TR 8:40–10:50
MEETS: JUNE 17–AUG 9
Note: Materials and professional support fee $90.00

INDEPENDENT STUDY PHYS 290 1–4 CREDITS
Prereq: PERMISSION OF INSTRUCTOR

INMED LAB FOR TCHR PHYS 311T 3 CREDITS
Prereq: PHYS 112 OR PHYS 222
Note: COURSE MEETS AT AMES HIGH SCHOOL. MUST PROVIDE OWN TRANSPORTATION TO CLASS. INTENDED PRIMARILY FOR TEACHERS.

5873005 MTWRF 9:00–5:00
MEETS: JUNE 17–JULY 5

SEM SEC SCHOOL PHYS PHYS 399 1–2 CREDITS
Prereq: PERMISSION OF INSTRUCTOR

UNDERGRAD RESEARCH PHYS 450 1–6 CREDITS
Prereq: PERMISSION OF INSTRUCTOR

UNDERGRAD RESEARCH PHYS 450L 1–6 CREDITS
Prereq: PHYS 311, PERMISSION OF INSTRUCTOR

COOPERATIVE EDUCATN PHYS 498 R CREDIT
Prereq: PERMISSION OF THE DEPARTMENT COOPERATIVE EDUCATION COORDINATOR; SENIOR CLASSIFICATION

4746005 ARRANGED
MEETS: MAY 20–AUG 9

CREATIVE COMPONENT PHYS 599 VAR. CREDITS
Prereq: PERMISSION OF INSTRUCTOR

RESEARCH PHYS 699 VAR. CREDITS

PLANT BIOLOGY

RESEARCH P lbio 699 VAR. CREDITS
Note: Instructor permission required 1st week.

PLANT PATHOLOGY

INDEPENDENT STUDY PLT PATH PHYS 490A 1–3 CREDITS
Prereq: JR OR SR CLASSIFICATION, 7 CREDITS IN BIOLOGICAL SCIENCES, PERMISSION OF INSTRUCTOR
Note: NO MORE THAN 6 CREDITS OF PL P 490 MAY BE APPLIED TOWARD THE TOTAL OF 128 CREDITS REQUIRED FOR GRADUATION

HONORS INDEPENDENT STUDY PLT PATH PHYS 490H 1–3 CREDITS
Prereq: JR OR SR CLASSIFICATION, 7 CR IN BIOLOGICAL SCIENCES; INSTRUCTOR APPROVAL OF CHAIR, MEMBERSHIP IN HONORS PROGRAM
Note: NO MORE THAN 6 CREDITS OF PL P 490H MAY BE APPLIED TOWARD THE TOTAL OF 128 CREDITS REQUIRED FOR GRADUATION

3155005 ARRANGED
MEETS: MAY 20–AUG 9
**POLITICAL SCIENCE**

**STATE & LOCAL GOVT**
POL S 310 3 CREDITS
Prereq: 3 CR IN POL S
MTWRF: 11:00-11:50
MEETS: JUNE 17-JULY 12

**SPL TOP INTL RELTN**
POL S 315 2 CREDITS
Prereq: SOPHOMORE CLASSIFICATION
No: USE OF POL S 312,313,314,315 IN POL S MAJOR
Note: UNDERGRAD STUDIES SECTION OF CATALOG FOR DETAILS.

**ADV WRITING POL SCI**
POL S 395 R CREDIT
Prereq: SOPHOMORE CLASSIFICATION
MTWRF: 8:10-10:00
MEETS: MAY 20-JUNE 28

**INT'L STUDY & TRAVEL**
POL S 397X VAR. CREDITS
Prereq: PERMISSION OF INSTRUCTOR
Note: MEETS INTERNATIONAL PERSPECTIVES REQT.

**POL SC INTERNSHIP**
POL S 499 3 CREDITS
Prereq: 6 CR IN POL S
MEETS: JUNE 17-JULY 12

**POL SCI INTERNSHIP**
POL S 499 3 CREDITS
Prereq: 6 CR IN POL S
MEETS: JUNE 17-JULY 12

**RESEARCH INTERNSHIP**
POL S 497 3 CREDITS
Prereq: 12 CR IN POL S
Note: INSTRUCTOR PERMISSION
Satisfactory-Fail Only.

**POLITICAL SCIENCE**

**POL SCI INTERNSHIP**
POL S 499 3 CREDITS
Prereq: 6 CR IN POL S
MEETS: JUNE 17-JULY 12

**INDEP STUDY HONORS**
POL S 490H VAR. CREDITS
Prereq: 15 CR IN POL S, MEMBERSHIP IN HONORS PROG
MEETS: MAY 20-AUG 9

**SPL TOP US P INSTIT**
POL S 590A 2-5 CREDITS
Prereq: 15 CR IN POL S, WRITTEN INSTRUCTOR PERMISSION
MEETS: MAY 20-JUNE 3

**SPL TOP US P INSTIT**
POL S 590B 2-5 CREDITS
Prereq: 15 CR IN POL S, WRITTEN INSTRUCTOR PERMISSION
MEETS: MAY 20-JUNE 3

**SPL TOP US P INSTIT**
POL S 590C 2-5 CREDITS
Prereq: 15 CR IN POL S, WRITTEN INSTRUCTOR PERMISSION
MEETS: MAY 20-JUNE 3

**SPL TOP US P INSTIT**
POL S 590D 2-5 CREDITS
Prereq: 15 CR IN POL S, WRITTEN INSTRUCTOR PERMISSION
MEETS: MAY 20-JUNE 3

**SPL TOP US P INSTIT**
POL S 590E 2-5 CREDITS
Prereq: 15 CR IN POL S, WRITTEN INSTRUCTOR PERMISSION
MEETS: MAY 20-JUNE 3

**SPL TOP US P INSTIT**
POL S 590F 2-5 CREDITS
Prereq: 15 CR IN POL S, WRITTEN INSTRUCTOR PERMISSION
MEETS: MAY 20-JUNE 3

**SPL TOP COMPAR GOVT**
POL S 590G VAR. CREDITS
Prereq: 15 CR IN POL S, WRITTEN INSTRUCTOR PERMISSION
MEETS: MAY 20-JUNE 3

**SPL TOP POLIT THEORY**
POL S 590H VAR. CREDITS
Prereq: 15 CR IN POL S, WRITTEN INSTRUCTOR PERMISSION
MEETS: MAY 20-JUNE 3

**SPL TOP POLIT THEORY**
POL S 590I 2-5 CREDITS
Prereq: 15 CR IN POL S, WRITTEN INSTRUCTOR PERMISSION
MEETS: MAY 20-JUNE 3

**SPL TOP POLIT THEORY**
POL S 590J 2-5 CREDITS
Prereq: 15 CR IN POL S, WRITTEN INSTRUCTOR PERMISSION
MEETS: MAY 20-JUNE 3

**INTERNSHIP**
POL S 598 3-6 CREDITS
Prereq: 15 CR IN POL S, WRITTEN INSTRUCTOR PERMISSION
MEETS: MAY 20-JUNE 3

**INTERNSHIP**
POL S 599 3-6 CREDITS
Prereq: 15 CR IN POL S, WRITTEN INSTRUCTOR PERMISSION
MEETS: MAY 20-JUNE 3

**INTERNSHIP**
POL S 610G 3 CREDITS
Prereq: 15 CR IN POL S, WRITTEN INSTRUCTOR PERMISSION
MEETS: MAY 20-JUNE 3

**CREATIVE COMPONENT**
POL S 599 3 CREDITS
Prereq: 15 CR IN POL S, WRITTEN INSTRUCTOR PERMISSION
MEETS: MAY 20-JUNE 3

**INTERNSHIP**
POL S 598 3-6 CREDITS
Prereq: 15 CR IN POL S, WRITTEN INSTRUCTOR PERMISSION
MEETS: MAY 20-JUNE 3

**INTERNSHIP**
POL S 599 3-6 CREDITS
Prereq: 15 CR IN POL S, WRITTEN INSTRUCTOR PERMISSION
MEETS: MAY 20-JUNE 3

**INTERNSHIP**
POL S 610G 3 CREDITS
Prereq: 15 CR IN POL S, WRITTEN INSTRUCTOR PERMISSION
MEETS: MAY 20-JUNE 3

**INTERNSHIP**
POL S 598 3-6 CREDITS
Prereq: 15 CR IN POL S, WRITTEN INSTRUCTOR PERMISSION
MEETS: MAY 20-JUNE 3

**INTERNSHIP**
POL S 599 3-6 CREDITS
Prereq: 15 CR IN POL S, WRITTEN INSTRUCTOR PERMISSION
MEETS: MAY 20-JUNE 3

**INTERNSHIP**
POL S 610G 3 CREDITS
Prereq: 15 CR IN POL S, WRITTEN INSTRUCTOR PERMISSION
MEETS: MAY 20-JUNE 3

**INTERNSHIP**
POL S 598 3-6 CREDITS
Prereq: 15 CR IN POL S, WRITTEN INSTRUCTOR PERMISSION
MEETS: MAY 20-JUNE 3

**INTERNSHIP**
POL S 599 3-6 CREDITS
Prereq: 15 CR IN POL S, WRITTEN INSTRUCTOR PERMISSION
MEETS: MAY 20-JUNE 3

**INTERNSHIP**
POL S 610G 3 CREDITS
Prereq: 15 CR IN POL S, WRITTEN INSTRUCTOR PERMISSION
MEETS: MAY 20-JUNE 3

**INTERNSHIP**
POL S 598 3-6 CREDITS
Prereq: 15 CR IN POL S, WRITTEN INSTRUCTOR PERMISSION
MEETS: MAY 20-JUNE 3

**INTERNSHIP**
POL S 599 3-6 CREDITS
Prereq: 15 CR IN POL S, WRITTEN INSTRUCTOR PERMISSION
MEETS: MAY 20-JUNE 3

**INTERNSHIP**
POL S 610G 3 CREDITS
Prereq: 15 CR IN POL S, WRITTEN INSTRUCTOR PERMISSION
MEETS: MAY 20-JUNE 3
PSYCHOLOGY

INTRO TO PSYCHOLOGY PSYCH 101 3 CREDITS
Prereq: PSYCH 101, SOPHOMORE CLASSIFICATION, INSTRUCTOR PERMISSION, SATISFACTORY-FAIL ONLY.

RESCH METHODS PSYC 302 3 CREDITS
Prereq: COURSE RESTRICTED TO PSYCH MAJORS ONLY.

BRAIN & BEHAVIOR PSYCH 310 3 CREDITS
Prereq: PSYCH 101.

SENSATION & PERCEPTION PSYCH 312 3 CREDITS
Prereq: PSYCH 101.

MOBIVATION PSYCH 314 3 CREDITS
Prereq: PSYCH 101.

DRUGS & BEHAVIOR PSYCH 315 3 CREDITS
Prereq: PSYCH 101.

PSYCHOLOGY OF WOMEN PSYCH 346 3 CREDITS
Prereq: 2 COURSES IN PSYCHOLOGY INCLUDING PSYCH 101.

ABNORMAL PSYCHOLOGY PSYCH 460 3 CREDITS
Prereq: 3 COURSES IN PSYCHOLOGY INCLUDING PSYCH 101.

INDEPENDENT STUDY PSYCH 490 1-3 CREDITS
Prereq: JR CLASSIFICATION, 6 CR IN PSYCH, INSTRUCTOR PERMISSION, SATISFACTORY-FAIL ONLY.

INDEPENDENT STUDY HONORS PSYCH 490H 1-3 CREDITS
Prereq: JR CLASSIFICATION, 6 CR IN PSYCH, INSTRUCTOR PERMISSION, SATISFACTORY-FAIL ONLY.
RESEARCH & EVALUATION
INTRO QLTV RES MTHD  RESEV 580  3 CREDITS
Prereq: 6 CR IN SOC AND PERMISSION OF INSTRUCTOR;
MEETS: MAY 20-JULY 19
Note: MEETINGS ON MAY 23,24 JUNE 6,7,20,JULY 18,19
SPCL TOPICS RESEV 590  1-3 CREDITS
MEETS: JUNE 17-JULY 12
SPECIAL TOPICS RESEV 591  2-4 CREDITS
Prereq: RESEV 590 OR RESEV 680
*** *** SEE DEPT FOR REFERENCE NUMBERS
SUPRVS FIELD EXP  RESEV 591  2-4 CREDITS
Prereq: RESEV 590 OR RESEV 680
*** *** SEE DEPT FOR REFERENCE NUMBERS
PROGRAM ASSESS&VAL  RESEV 597  3 CREDITS
Prereq: RESEV 590
Note: COURSE RESTRICTED TO GRADUATE STUDENTS IN THE
HUMAN SCIENCES COLLEGE. OTHER STUDENTS MUST CONTACT
THE DEPARTMENT AT 294-1241.
6218000  MWF 1:30-12:30
MEETS: MAY 21-JUNE 6
ADV SPECIAL TOPICS  RESEV 690  1-3 CREDITS
Prereq: GRADUATE STANDING
*** *** SEE DEPT FOR REFERENCE NUMBERS
RESEARCH RESEV 699 VAR. CREDITS
Prereq: GRADUATE STANDING
*** *** SEE DEPT FOR REFERENCE NUMBERS
RUSSIAN
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
Permisson of department chair required.
*** *** SEE DEPT FOR REFERENCE NUMBERS
RUSSIAN INTERNSHIP RUS 499  1-3 CREDITS
Prereq: 9 CREDITS IN 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 MWF 9:50-11:50
MEETS: JUNE 17-JULY 12
SOC PSYCH:SOC PERSP  SOC 305  3 CREDITS
Prereq: SOC 130 OR SOC 134
6355005  A MTHR 8:40-10:40
MEETS: JUNE 17-JULY 12
SEX&GENDER IN SOCIE  SOC 327  3 CREDITS
Prereq: SOC 130 OR SOC 134
Note: Meets U.S. diversity reqmt
6356005  A MTHR 9:50-11:50
MEETS: MAY 20-JUNE 14
6356010  B MTHR 9:50-11:50
MEETS: MAY 20-JUNE 14
CRIM & JUV JUST PRAC  SOC 460  3-12 CREDITS
Prereq: JN/JS CLASSIFICATION; PERMISSION OF THE CJ ST
COORDINATOR; MAJOR OR MINOR IN SOC, OR CJ ST MINOR
Note: NO MORE THAN 12 CREDITS REPEATED 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.
6370005  A ARRANGED
MEETS: MAY 20-JULY 19
INDEP STUDY GEN SOC  SOC 490A  1-3 CREDITS
Prereq: 6 CR IN SOC AND PERMISSION OF INSTRUCTOR;
Note: STUDENTS IN THE COLLEGE OF AGRICULTURE MAY
APPLY NO MORE THAN 6 CREDITS OF SOC 490 TOWARD
THE TOTAL OF 128 CREDITS REQUIRED FOR GRADUATION.
STUDENTS IN THE LAS COLLEGE MAY APPLY NO MORE THAN
9 CREDITS OF SOC 490 TOWARD GRADUATION.
*** *** SEE DEPT FOR REFERENCE NUMBERS
SOCIOLOGY
(continued)
IND STUDY RURAL SOC  SOC 490B  1-3 CREDITS
Prereq: 6 CR IN SOC AND INSTRUCTOR PERMISSION
Note: STUDENTS IN THE COLLEGE OF AGRICULTURE MAY
APPLY NO MORE THAN 6 CREDITS OF SOC 490 TOWARD
THE TOTAL OF 128 CREDITS REQUIRED FOR GRADUATION.
STUDENTS IN THE LAS COLLEGE MAY APPLY NO MORE THAN
9 CREDITS OF SOC 490 TOWARD GRADUATION.
*** *** SEE DEPT FOR REFERENCE NUMBERS
INDEP STUDY HONORS SOC  SOC 490H  1-3 CREDITS
Prereq: 6 CR IN SOC, SR OR GRADUATE CLASSIFICATION
Note: Students in the College of Agriculture may
APPLY NO MORE THAN 6 CREDITS OF SOC 490 TOWARD
THE TOTAL OF 128 CREDITS REQUIRED FOR GRADUATION.
STUDENTS IN THE LAS COLLEGE MAY APPLY NO MORE THAN
9 CREDITS OF SOC 490 TOWARD GRADUATION.
*** *** SEE DEPT FOR REFERENCE NUMBERS
SPCL TOPICS GEN SOC  SOC 590A  1-3 CREDITS
Prereq: 6 CR IN SOC, SR OR GRADUATE CLASSIFICATION
*** *** SEE DEPT FOR REFERENCE NUMBERS
SPCL TOPICS RURAL SOC  SOC 590B  1-3 CREDITS
Prereq: 6 CR IN SOC, SR OR GRADUATE CLASSIFICATION
*** *** 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 GENR SOC  SOC 699A  1-8 CREDITS
*** *** SEE DEPT FOR REFERENCE NUMBERS
RESEARCH RURAL SOC  SOC 699B  1-8 CREDITS
*** *** SEE DEPT FOR REFERENCE NUMBERS
SOFTWARE ENGINEERING
COOPERATIVE EDUCATN  S E 298  R CREDIT
Prereq: PERMISSION OF DEPT AND CAREER SERVICES
*** *** SEE DEPT FOR REFERENCE NUMBERS
DEPARTMENTAL EXAM  S E 396  R CREDIT
Prereq: SENIOR CLASSIFICATION IN SOFTWARE ENGI
Note: RESTRICTED TO UNIV HONORS PROGRAM STUDENTS ONLY.
*** *** SEE DEPT FOR REFERENCE NUMBERS
COOPERATIVE EDUCATN  S E 498  R CREDIT
Prereq: S E 398, PERMISSION OF DEPT & CAREER SERVICES
*** *** SEE DEPT FOR REFERENCE NUMBERS
SPANISH
ELEMTREY SPANISH I  SPAN 101  4 CREDITS
6473005 1 MTWF 8:40-11:40
MEETS: MAY 20-JUNE 14
Note: Materials and equipment use fee $25.00
6473010 2 MTWF 12:10-3:10
MEETS: MAY 20-JUNE 14
Note: Materials and equipment use fee $25.00
ELEM SPANISH II  SPAN 102  4 CREDITS
Prereq: SPAN 101, SPAN 97 OR PLACEMENT BY
DEPARTMENTAL EXAM.
6474005 1 MTWF 8:40-11:40
MEETS: JUNE 17-JULY 12
Note: Materials and equipment use fee $25.00
6474010 2 MTWF 12:10-3:10
MEETS: JUNE 17-JULY 12
Note: Materials and equipment use fee $25.00
STUDY ABROAD
SPAN 395  1-10 CREDITS
Prereq: 2 YRS UNIV-LEVEL SPANISH OR EQUIVALENT
Note: Meets international perspectives reqmt
Department permission required.
6489025 RG ARRANGED
MEETS: MAY 28-JULY 18
Note: SECTION RG IS REGENTS STUDY ABROAD IN PERU.
Tuition Category: Regents Summer Study Abroad
6489030 R2 ARRANGED
MEETS: MAY 28-JULY 18
Note: SECTION R2 IS REGENTS STUDY ABROAD IN PERU.
Tuition Category: Regents Summer Study Abroad
SPANISH (Continued)

INDEPENDENT STUDY  SPAN 490 1-6 CREDITS
Prereq: 6 CR IN SPANISH; PERMISSION OF DEPT CHAIR
Note: NO MORE THAN 6 CREDITS IN SPAN 490 MAY BE APPLIED TOWARD GRADUATION
Permission of department chair required.

*** SEE DEPT FOR REFERENCE NUMBERS

SPANISH INTERNSHIP  SPAN 499 1-3 CREDITS
Prereq: 9 CREDITS OF SPAN AT 300 LEVEL; PERMISSION OF ADVISER AND WORLD LANGUAGES AND CULTURES INTERNSHIP COORDINATOR
Note: COURSE ONLY OFFERED FOR 3 CREDITS SUMMER 2013. NO MORE THAN 3 CREDITS IN SPAN 499 MAY BE APPLIED TOWARD GRADUATION IN THE MAJOR.
Department permission required.

*** SEE DEPT FOR REFERENCE NUMBERS

SPL TOP SPANISH LIT  SPAN 590A 1-4 CREDITS
Prereq: PERMISSION OF INSTRUCTOR; 6 CR 400-LEVEL SPAN
3905800 SP ARRANGED
GASTA C
MEETS: JUNE 14-28
Note: SEC SP TAUGHT IN SPAIN, SUMMER SEMINAR IN SPAIN FOR SPANISH TEACHERS. STUDY ABOAD SUMMER 2013 OFFERED FOR 2 CREDITS
Study Abroad Administrative Fee Applies

SPECIAL EDUCATION

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

*** SEE DEPT FOR REFERENCE NUMBERS

TCH EXCPT SC GEN ED  SP ED 501 3 CREDITS
Prereq: BACCALAUREATE DEGREE
2607005 1 F 3:30-8:30PM
S 8:00-4:00
MEETS: MAY 17-JUNE 15
Note: NO MEETINGS ON 6/26

TCH STRUGL ADRL DR  SP ED 553 3 CREDITS
Prereq: TEACHING LICENSE
7663005 1 MTWR 9:00-11:30
MEETS: JUNE 14-28

SPECIAL TOPICS  SP ED 590 1-5 CREDITS
Prereq: 15 CRS IN EDUC; PERMISSION OF DEPT CHAIR

*** SEE DEPT FOR REFERENCE NUMBERS

FLD EXP BHV/DS,5-21  SP ED 591K 1-6 CREDITS
Prereq: 15 GRAD CREDITS IN SPECIAL AREA; ADMISSION TO GRAD PROGRAM IN SPECIAL EDUCATION
Note: COURSE RESTRICTED TO C-I MAJORS ONLY
Professional support, field trips &/or travel fee $33.00

*** SEE DEPT FOR REFERENCE NUMBERS

CREATIVE COMPONENT  SP ED 599 1-5 CREDITS
Prereq: 15 CREDITS IN EDUCATION

*** SEE DEPT FOR REFERENCE NUMBERS

RESEARCH  SP ED 699 VAR. CREDITS
Prereq: 15 CREDITS IN EDUCATION

*** SEE DEPT FOR REFERENCE NUMBERS

SPEECH COMMUNICATION

POPULR CULTUR ANALY  SP CM 205 3 CREDITS
Prereq: CREDIT IN OR EXEMPTION FROM ENGL 150
3001005 A MTWRF 9:50-10:50
MEETS: MAY 20-JULY 12

FUND PUBLIC SPEAKNG  SP CM 212 3 CREDITS
8643010 1 MTWRF 7:30-9:40
MTWRF 9:50-12:00
MEETS: MAY 20-JUNE 14
Note: ON MAY 20 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 1 IS A CROSS-CULTURAL SECTION. U.S. STUDENTS ONLY. MEETS JOINTLY WITH SEC 10.
Section info: http://www.public.iastate.edu/~aslagell /spcm212/index.html

8643015 2 MTWRF 9:50-12:00
MEETS: MAY 20-JUNE 14
Note: ON MAY 20 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. CLASS MEETS 2 HOURS AND 10 MINUTES EACH DAY. SECTION 2 IS A CROSS-CULTURAL SECTION. INTERNATIONAL STUDENTS ONLY.
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 20-JUNE 14
Note: ON MAY 20 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. CLASS MEETS 2 HOURS AND 10 MINUTES EACH DAY. SECTION 3 IS A CROSS-CULTURAL SECTION. INTERNATIONAL STUDENTS ONLY.
Section info: http://www.public.iastate.edu/~aslagell /spcm212/index.html

FUND PUBLIC SPEAKNG  SP CM 212 3 CREDITS
8643025 4 MTWRF 9:50-12:00
MTWRF 9:50-12:00
MEETS: MAY 20-JUNE 14
Note: ON MAY 20 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 info: http://www.public.iastate.edu/~aslagell /spcm212/index.html

8643030 5 MTWRF 12:10-2:20
MTWRF 9:50-12:00
MEETS: MAY 20-JUNE 14
Note: ON MAY 20 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 info: http://www.public.iastate.edu/~aslagell /spcm212/index.html

8643035 6 MTWRF 12:10-2:20
MTWRF 9:50-12:00
MEETS: MAY 20-JUNE 14
Note: ON MAY 20 ATTEND ONLY THE 9:50 A.M. LECTURE. LECTURE AND DISCUSSION MEET ON AN ALTERNATING SCHEDULE TO BE ANNOUNCED IN FIRST LECTURE.
Section info: http://www.public.iastate.edu/~aslagell /spcm212/index.html

8643040 7 MTWRF 9:50-12:00
MTWRF 9:50-12:00
MEETS: MAY 20-JUNE 14
Note: ON MAY 20 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 SEC 8.
Section info: http://www.public.iastate.edu/~aslagell /spcm212/index.html

8643045 8 MTWRF 9:50-12:00
MTWRF 9:50-12:00
MEETS: MAY 20-JUNE 14
Note: ON MAY 20 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 2 HOURS, 10 MINUTES EACH DAY. SECTION 8 IS A CROSS-CULTURAL SECTION. INTERNATIONAL STUDENTS ONLY.
Section info: http://www.public.iastate.edu/~aslagell /spcm212/index.html

8643065 9 MTWRF 7:30-9:40
MTWRF 9:50-12:00
MEETS: MAY 20-JUNE 14
Note: ON MAY 20 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. INTERNATIONAL STUDENTS ONLY.
Section info: http://www.public.iastate.edu/~aslagell /spcm212/index.html

8643070 10 MTWRF 7:30-9:40
MTWRF 9:50-12:00
MEETS: MAY 20-JUNE 14
Note: ON MAY 20 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.
Section info: http://www.public.iastate.edu/~aslagell /spcm212/index.html

8643075 11 MTWRF 7:30-9:40
MEETS: JUNE 17-AUG 9
Section info: http://www.public.iastate.edu/~aslagell /spcm212/index.html

8643080 12 MFN 9:50-11:30
MEETS: JUNE 17-AUG 9
Section info: http://www.public.iastate.edu/~aslagell /spcm212/index.html

8643085 13 MFN 9:50-11:30
MEETS: JUNE 17-AUG 9
Section info: http://www.public.iastate.edu/~aslagell /spcm212/index.html

8643090 14 MTWRF 12:10-2:20
MEETS: JUNE 17-JULY 12
Section info: http://www.public.iastate.edu/~aslagell /spcm212/index.html

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 MINIMUM REQUIRED CREDITS FOR THE MAJOR. NO CREDITS IN SP CM 290 MAY BE APPLIED TOWARD THE MINOR. Department permission required.

*** SEE DEPT FOR REFERENCE NUMBERS
SPEECH AND WORKSHOP COMM
SP CM 313 3 CREDITS
Prereq: SP CM 212
MTWR 12:10-2:20
MEETS: JUNE 17-JULY 12

6430005
GENDER & COMMUNICTN
SP CM 323 3 CREDITS
Note: Available for nonmajor graduate credit
MTWR 12:10-2:20
MEETS: MAY 20-JUNE 14

2640005
INDEPENDENT STUDY
SP CM 490 1-3 CREDITS
Prereq: In accordance with the junior classification, permission of the department, chair
Note: Permission of any chair is required to add. Process approved add slip in 1st ENRL SC. No credits in SP CM 490 may be applied toward the minor. **SEE DEPT FOR REFERENCE NUMBERS**

COMMUNIC INTERNSHIP
SP CM 499 1-3 CREDITS
Prereq: 18 CR in SP CM courses, other courses, advising deemed appropriate; 2nd semester Jr or Sr standing; Cum GPA of at least 2.5 overall and 3.0 in SP CM; permission of the internship committee. Note: No credits in SP CM 499 may be applied toward the minimum required credits for the major. No credits in SP CM 499 may be applied toward the minor. **SEE DEPT FOR REFERENCE NUMBERS**

SPECIAL TOPICS
SP CM 590 1-4 CREDITS
Prereq: Permission of department chair
Note: No credits in SP CM 590 may be applied toward the minimum required credits for the major. No credits in SP CM 590 may be applied toward the minor. **SEE DEPT FOR REFERENCE NUMBERS**

PRIN OF STATISTICS
STAT 101 4 CREDITS
Prereq: One and a half yrs of H S Algebra
Note: Credit for only one of the following may be applied toward graduation: STAT 101, STAT 104, STAT 105, STAT 226.

6502005
INTRO 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 105, STAT 226. Instructor permission required 1st week.

6503005
STAT THEORY FOR RES
STAT 447 4 CREDITS
Prereq: MATH 151 and INST permission, or MATH 265

MEETS: MAY 20-JULY 12

6510005
STAT METH FOR RSRCH
STAT 401 4 CREDITS
Prereq: MATH 151 and INST permission, or MATH 265

MEETS: MAY 20-JULY 12

INTR BUSINES STAT I
STAT 226 3 CREDITS
Prereq: MATH 150 or MATH 165
Note: Course restricted to ACCT, BUS B, BUSAD, BUS U, BUSEC, ECON, FIN, I BUS, LSCM, MGMT, MIS, MGT, OCSM, P BUS, SCM, AG B majors only. Credit for only one of the following courses may be applied toward graduation: STAT 226, STAT 101, STAT 104, STAT 105.

3975005
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. Credit for only one of the following may be applied toward graduation: STAT 101, STAT 104, STAT 105, STAT 226. Restricted to A B E, A B, AE EM, AER E, AE, C E, C E, CB E, CM, CON R, CPR E, CPE, E E, ENGR, ENSRS, I E, IMGE, M E, M R E, M A T, M E, M T E, M R, M S, M A JORS.

6509005
ADV SPL TOPC THEORY
STAT 590A VAR. CREDITS
Prereq: Permission of the department chair

MEETS: MAY 20-AUG 9

6554005
PL TOP DESGN EXPER
STAT 590C VAR. CREDITS
Prereq: Permission of the department chair

MEETS: MAY 20-AUG 9

STATISTICS

STATISTICS (CONTINUED)

6523005
ADV SPL TOP SAMP SURVEY
STAT 590D VAR. CREDITS
Prereq: Permission of the department chair

MEETS: MAY 20-AUG 9

ACCOOUTING

COOPERATIVE EDUCATN
STAT 498 1 CREDIT
Prereq: 18 CR in SP CM, other courses
Note: Permission of department chair required.

6555005
CREATIVE COMPONENT
STAT 599 VAR. CREDITS
Note: Permission of department chair required.

6550005
SPL TOP SURVEY
STAT 590 VAR. CREDITS
Prereq: Permission of instructor

6561005
SPL TOP SURVEY
STAT 590 VAR. CREDITS
Prereq: Permission of instructor

6561005
RESEARCH
STAT 699 3 CREDITS
Note: Available for nonmajor graduate credit

SUPPLY CHAIN MANAGEMENT

INTR BUSINES STAT II
STAT 326 3 CREDITS
Prereq: STAT 226

6510005
PROBAB&STAT COM SCI
STAT 330 3 CREDITS
Prereq: MATH 151
Note: Available for nonmajor graduate credit

STAT METH FOR RSrch
STAT 401 4 CREDITS
Prereq: STAT 101 or STAT 104 or STAT 105 or STAT 106
Note: Credit for only one of the following courses may be applied toward graduation by dietetics students: DIET 554, STAT 401, STAT 450, STAT 542

6514005
STAT THEORY FOR RES
STAT 447 4 CREDITS
Prereq: MATH 151 and INST permission, or MATH 265

6554005
APPLIED TOWARD GRADUATION: STAT 101, STAT 104, STAT 226.

6523005
APPLIED TOWARD GRADUATION: STAT 101, STAT 104, STAT 226.

6550005
APPLIED TOWARD GRADUATION: STAT 101, STAT 104, STAT 226.

6555005
APPLIED TOWARD GRADUATION: STAT 101, STAT 104, STAT 226.

6555005
APPLIED TOWARD GRADUATION: STAT 101, STAT 104, STAT 226.
**Supply Chain Management**

(Continued)

**Independent Study**

SCM 490 1-3 credits
Pre-req: SCM 301, Senior classification, instructor permission.
Note: Course not open to P Bus majors.
Department permission required.

**Special Topics**

SCM 590 1-3 credits
Pre-req: Grad classification, instructor permission.

**Research Practicum I**

SCM 650 1 credit
Enrollment in the Ph.D. program
8057005 A arranged
MEETS: May 20-Aug 9

**Research Practicum II**

SCM 651 1 credit
8058005 A arranged
MEETS: May 20-Aug 9

**Sustainable Agriculture**

Special Topics

SUSAG 590 1-3 credits
Pre-req: Grad classification, instructor permission.

**Creative Component**

SUSAG 599 Var. credits

**Research**

SUSAG 699 Var. credits

**Technology & Social Change**

**Independent Study**

TSC 490 Var. credits
Pre-req: TSC 341, permission of instructor & TSC coordinator.
Note: Permission of coordinator required.

**SPL Top Tch & Soc Chg**

TSC 590 Var. credits
Pre-req: TSC 541, permission of instructor & TSC coordinator.
Note: Permission of coordinator required.

**Technology Systems Management**

**Instructorship**

TSM 397 R credit
Pre-req: At least 45 credits of coursework, in AST or I Tec major, internship coordinator approval.
Satisfactory-Fail only.

**Work Experience**

TSM 399 2 credits
Pre-req: TSM 397 and permission of instructor.
Note: No more than 4 credits of TSM 399 may be applied toward the total credits required for graduation.

**Instructorship Honors**

TSM 490H 1-4 credits
Pre-req: Junior or senior classification, instructor permission, completion of independent study contract and approval by department.
Restricted to honors program students only.
Department permission required.

**Instructorship Research**

TSM 490I 1-4 credits
Pre-req: 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.
Department permission required.

**Instructorship BIOSYS MG**

TSM 490J 1-4 credits
Pre-req: Junior or senior classification, instructor permission, completion of independent study contract and approval by department.
Note: Permission of department required to add.
Process approved and enrollment services center.
No more than 4 credits of TSM 490 may be used toward the total of 128 credits required for graduation.
Department permission required.

**Instructorship MACHIN SYSS**

TSM 490M 1-4 credits
Pre-req: 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.
Department permission required.

**Technology Systems Management**

**Instructorship**

TSM 490D 1-4 credits
Pre-req: 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.
Department permission required.

**WSHP Occupancy Safety**

TSM 493D 1-4 credits

**Technofig Post-Travel**

TSM 496C 1-4 credits
Pre-req: Permission of instructor.
Note: Meetings international perspectives reqmt.

**Spl Top Mgr**

TSM 490B 1-4 credits
Pre-req: Grad classification in industrial and ag technology, instructor permission, completion of an independent study contract approved by major prof.

**Spl Top Machsys**

TSM 490B 1-4 credits
Pre-req: Grad classification in industrial and ag technology, instructor permission, completion of an independent study contract approved by major prof.

**Spl Top Proc**

TSM 490C 1-4 credits
Pre-req: Grad classification in industrial and ag technology, instructor permission, completion of an independent study contract approved by major prof.

**Spl Top Occup**

TSM 490D 1-4 credits
Pre-req: Grad classification in industrial and ag technology, instructor permission, completion of an independent study contract approved by major prof.

**Research**

TSM 699 1-6 credits
Pre-req: Grad classification.
Satisfactory-Fail only.

**Textiles & Clothing**

**Aesthetic & Brand Imag**

T C 245 3 credits
Pre-req: T C 121, T C 165, credit or enrollment in C 201.
6609005 A arranged
MEETS: July 20-2012
Note: Course delivery is WW

**HisT 20TH C Fashion**

T C 356 3 credits
Pre-req: 3 or Hist or Art h. T C 204 recommended.
4473005 A arranged
MEETS: May 20-June 14
Note: Course delivery is WW

**Cultur Perspc Dress**

T C 362 3 credits
Pre-req: T C 165 or 3 credits in ANTR, Psych, or SOC.
Meets international perspectives reqmt.
6622005 A arranged
MEETS: July 15-Aug 9
Note: Course delivery is WW
TEXTILES & CLOTHING (CONTINUED)

IND STU TXTL&AP DSN T C 490C VAR. CREDITS
Prereq: 6 CR IN T C, PERMISSION OF INSTRUCTOR, ADVISER AND DEPARTMENT CHAIR
Note: Instructor permission required.

IND STU AESTHETICS T C 490D VAR. CREDITS
Prereq: 6 CR IN T C, PERMISSION OF INSTRUCTOR, ADVISER AND DEPARTMENT CHAIR
Note: COURSE ONLY OFFERED FOR 1-2 CREDITS SUMMER 2013
Instructor permission required.

IND STU SOC&PSY T C T C 490F VAR. CREDITS
Prereq: 6 CR IN T C, PERMISSION OF INSTRUCTOR, ADVISER AND DEPARTMENT CHAIR
Note: Instructor permission required.

IND DEP STUDY HONORS T C 490H VAR. CREDITS
Prereq: 6 CR IN T C, PERMISSION OF INSTRUCTOR, ADVISER AND DEPARTMENT CHAIR
Note: Instructor permission required.

IND STU TECH DESIGN T C 490I VAR. CREDITS
Prereq: 6 CR IN T C, PERMISSION OF INSTRUCTOR, ADVISER AND DEPARTMENT CHAIR
Note: Instructor permission required.

IND STU CULTURAL ANALYSIS T C 490K VAR. CREDITS
Prereq: 6 CR IN T C, PERMISSION OF INSTRUCTOR, ADVISER AND DEPARTMENT CHAIR
Note: Instructor permission required.

IND STU TEXTILE SCI T C 590A VAR. CREDITS
Prereq: PERMISSION OF DEPT CHAIR & INSTRUCTOR
Note: Instructor permission required.

IND STU TEXTILE DESIGN T C 590C VAR. CREDITS
Prereq: PERMISSION OF DEPT CHAIR & INSTRUCTOR
Note: Instructor permission required.

IND STU HISTORY COSTUME T C 590E VAR. CREDITS
Prereq: PERMISSION OF DEPT CHAIR & INSTRUCTOR
Note: Instructor permission required.

IND STU SOC-PSY ASPT T C 590F VAR. CREDITS
Prereq: PERMISSION OF DEPT CHAIR & INSTRUCTOR
Note: Instructor permission required.

IND STU CONSUMER BEHAVIOR T C 590G VAR. CREDITS
Prereq: PERMISSION OF DEPT CHAIR & INSTRUCTOR
Note: Instructor permission required.

IND STU MERCHANDISING T C 590I VAR. CREDITS
Prereq: PERMISSION OF DEPT CHAIR & INSTRUCTOR
Note: Instructor permission required.

SP TOP CULTURAL ANALYSIS T C 590K VAR. CREDITS
Prereq: PERMISSION OF DEPT CHAIR & INSTRUCTOR
Note: Instructor permission required.

SP CULTURAL TOPICS MUSEUMS T C 590M VAR. CREDITS
Prereq: PERMISSION OF DEPT CHAIR & INSTRUCTOR
Note: Instructor permission required.

SP CULTURAL TOPIC TECH DESIGN T C 590O VAR. CREDITS
Prereq: PERMISSION OF DEPT CHAIR & INSTRUCTOR
Note: Instructor permission required.

ADVANCED TOPICS T C 690 VAR. CREDITS
Prereq: ENROLLMENT IN DOCTORAL PROGRAM, PERMISSION OF INSTRUCTOR, AND APPROVAL OF D.O.G.E.
Note: Instructor permission required.

RESEARCH T C 699 VAR. CREDITS
Prereq: PERMISSION OF INSTRUCTOR, ADVISER AND DEPARTMENT CHAIR
Note: Instructor permission required.

THEATRE

THEATRE PERFORMANCE ARTS THTRE 106 3 CREDITS
6729005 MTWRF 8:40-9:40 MEETS: JUNE 17-AUG 9

SPECIAL PROJECTS THTRE 290 1-3 CREDITS
Prereq: 3 CREDITS IN THEATRE, PERMISSION OF INSTRUCTOR; APPROVAL OF WRITTEN PROPOSAL
Note: Instructor permission required.

INDEPENDENT STUDY THTRE 490 1-3 CREDITS
Prereq: 9 CREDITS IN THEATRE, APPROVED WRITTEN PROPOSAL, JUNIOR CLASSIFICATION
Note: No more than 9 CREDITS OF THTRE 490 MAY BE APPLIED TOWARD GRADUATION

INDEPENDENT STUDY U ST 490 VAR. CREDITS
Prereq: APPROVED WRITTEN PROPOSAL
Note: Permission of department chair required.

TOXICOLOGY

TOXICOLOGY SEMINAR TOX 504 1 CREDIT
7126005 1 ARRANGED MEETS: MAY 20-AUG 9

CLINICAL DIAGNOSIS TOX 546 1-3 CREDITS
1231005 ARRANGED MEETS: MAY 20-AUG 9

SPECIAL TOPICS TOX 590 VAR. CREDITS
Prereq: PERMISSION OF INSTRUCTOR
Note: Instructor permission required.

TRANSPORTATION

TRANSPORTATION 4160005 ARRANGED MEETS: MAY 20-AUG 9

RESEARCH 6787005 ARRANGED MEETS: MAY 20-AUG 9

UNIVERSITY STUDIES

INDEPENDENT STUDY UST 490 VAR. CREDITS
Prereq: PERMISSION OF THE ASSOCIATE PROVOST
Note: PERMISSION OF THE ASSOCIATE PROVOST FOR UNDERGRAD PROGRAMS
IN DEPARTMENT OF THEATRE

VET DIAGNOSTIC & PRODUCTION ANIMAL MEDICINE

VETERINARY DIAGNOSTIC & PRODUCTION ANIMAL MEDICINE VDPAM 420 1-6 CREDITS
Prereq: CLASSIFICATION AS A FOURTH YEAR STUDENT IN VETERINARY MEDICINE
9072005 ARRANGED

APP MD CATTLE MARKETING VDPAM 422A 2 CREDITS
Prereq: VDPAM 310; ABILITY TO PROVIDE OWN TRANSPORTATION TO EACH SITE
4577005 ARRANGED

APP BEEF MED FEEDING VDPAM 422C 2 CREDITS
Prereq: VDPAM 310; ABILITY TO PROVIDE OWN TRANSPORTATION TO EACH SITE
4578005 ARRANGED

APP BF MED CONSULTANT VDPAM 422D 2 CREDITS
Prereq: VDPAM 310; ABILITY TO PROVIDE OWN TRANSPORTATION TO EACH SITE
4591005 ARRANGED
VETERINARY CLINICAL SCIENCES

ONCOLOGY  V C S 409  1- 2 CREDITS  Prereq: FOURTH-YEAR CLASSIFICATION IN VET MED  Note: COURSE ONLY OFFERED FOR 2 CREDITS SUMMER 2013  9213005  MTWRF 8:00-5:00

PRECEPTOR COMPAN/EQ  V C S 419  2- 6 CREDITS  Prereq: FOURTH-YEAR CLASSIFICATION IN VET MED, PERMISSION OF DEPARTMENT CURRICULUM COMMITTEE  1664005  1 ARRANGED  Note: Permission of instructor required. Process approved add slip in 2270A Vet Med.

SM ANIML SHELTR MED  V C S 437  2 CREDITS  Prereq: FOURTH-YEAR CLASSIFICATION IN VET MED  7944005  MTWRF 8:00-5:00

CLINICAL NEUROLOGY  V C S 446  2 CREDITS  Prereq: FOURTH-YEAR CLASSIFICATION IN VET MED  5112005  MTWRF 8:00-5:00

CLINICAL DERMATOLOGY  V C S 452  2 CREDITS  Prereq: FOURTH-YEAR CLASSIFICATION IN VETERINARY MEDICINE. MUST HAVE INSTRUCTOR PERMISSION TO REPEAT THIS COURSE.  Note: COURSE RESTRICTED TO 4TH YEAR VET MED STUDENTS  1931005  MTWRF 8:00-5:00

SMALL ANIMAL MED I  V C S 453  2 CREDITS  Prereq: COURSE RESTRICTED TO 4TH YEAR VET MED STUDENTS  6889005  MTWRFS 8:00-5:00

SMALL ANIMAL MED II  V C S 454  2 CREDITS  Prereq: COURSE RESTRICTED TO 4TH YEAR VET MED STUDENTS  6890005  MTWRFS 8:00-5:00

SM AN SOFT TISS SUR  V C S 455  2 CREDITS  Prereq: FOURTH-YEAR CLASSIFICATION IN VET MED  6891005  MTWRFS 8:00-5:00

SM AN ORTHOPED SURG  V C S 456  2 CREDITS  Prereq: FOURTH-YEAR CLASSIFICATION IN VET MED  6892005  MTWRFS 8:00-5:00

EQUINE MEDICINE  V C S 457  2 CREDITS  Prereq: COURSE RESTRICTED TO 4TH YEAR VET MED STUDENTS  6893005  MTWRFS 8:00-5:00

EQUINE SURGERY  V C S 458  2 CREDITS  Prereq: FOURTH-YEAR CLASSIFICATION IN VET MED  6894005  MTWRFS 8:00-5:00

SM AN OVERPOP OMAHA  V C S 459A  2 CREDITS  Prereq: FOURTH-YEAR CLASSIFICATION IN VET MED  4050005  MTWRF 8:00-5:00  Note: Field trips & travel fee $200.00

SM AN OVERPOP D.M.  V C S 459B  2 CREDITS  Prereq: FOURTH-YEAR CLASSIFICATION IN VET MED  4107010  MTWRF 8:00-5:00  Note: Field trips & travel fee $200.00
VETERINARY CLINICAL SCIENCES (CONTINUED)

VETERINARY CLINICAL SCIENCES (CONTINUED)

SM AN OVERPOP K.C.  V C S 459C  2 CREDITS
Prereq: FOURTH-YEAR CLASSIFICATION IN V MED
4310005  ARRANGED
Note: Field trips & travel fee $200.00

RADIOLOGY  V C S 460  2 CREDITS
Prereq: FOURTH-YEAR CLASSIFICATION IN V MED
Note: COURSE ONLY OFFERED FOR 2 CREDITS SUMMER 2013
6896005  MTWRFS 8:00-5:00

PRIMARY CARE  V C S 463  2 CREDITS
Prereq: FOURTH YEAR CLASSIFICATION IN VET MED
Note: COURSE RESTRICTED TO 4TH YEAR VET MED STUDENTS
2322005  MTWRFS 8:00-5:00

EQUINE FIELD SERVIC  V C S 464  2 CREDITS
Prereq: FOURTH-YEAR CLASSIFICATION IN V MED
Note: COURSE RESTRICTED TO 4TH YEAR VET MED STUDENTS
4247005  MTWRFS 8:00-5:00

FARRIER  V C S 465  2 CREDITS
Prereq: FOURTH-YEAR CLASSIFICATION IN V MED
Note: COURSE RESTRICTED TO 4TH YEAR VET MED STUDENTS
7756005  MTWRFS 8:00-5:00

VET ANESTHESIOLOGY  V C S 466  2 CREDITS
Prereq: FOURTH-YEAR CLASSIFICATION IN V MED
Note: COURSE RESTRICTED TO 4TH YEAR VET MED STUDENTS
6898005  MTWRFS 8:00-5:00

INTENSIVE CARE  V C S 468  4 CREDITS
Prereq: FOURTH-YEAR CLASSIFICATION IN V MED
Note: COURSE RESTRICTED TO 4TH YEAR VET MED STUDENTS
6900005  ARRANGED

OPHTHALMOLOGY  V C S 469  2 CREDITS
Prereq: FOURTH-YEAR CLASSIFICATION IN V MED
Note: COURSE ONLY OFFERED FOR 2 CREDITS SUMMER 2013
460 REC 450
Note: Instructor permission required. Process approved add slip in 2270A Vet Med.

CAMPANY AN Reprod  V C S 471C  2 CREDITS
Prereq: FOURTH-YEAR CLASSIFICATION IN V MED
Note: COURSE ONLY OFFERED FOR 2 CREDITS SUMMER 2013
6901005  MTWRFS 8:00-5:00

RADIOLGY  V C S 470 VAR. CREDITS
Prereq: FOURTH-YEAR CLASSIFICATION IN V MED
Note: COURSE RESTRICTED TO 4TH YEAR VET MED STUDENTS
6898005  MTWRFS 8:00-5:00

EQUINE REPRODUCTION  V C S 471E VAR. CREDITS
Prereq: FOURTH-YEAR CLASSIFICATION IN V MED
Note: COURSE RESTRICTED TO 4TH YEAR VET MED STUDENTS
6898005  MTWRFS 8:00-5:00

FOOD ANIM REPRODCTN  V C S 471F VAR. CREDITS
Prereq: FOURTH-YEAR CLASSIFICATION IN V MED
Note: COURSE RESTRICTED TO 4TH YEAR VET MED STUDENTS
6898005  MTWRFS 8:00-5:00

SML ANIM REPRODCTN  V C S 471S VAR. CREDITS
Prereq: FOURTH-YEAR CLASSIFICATION IN V MED
Note: COURSE RESTRICTED TO 4TH YEAR VET MED STUDENTS
6898005  MTWRFS 8:00-5:00

SML ANIM SURG ORTHO  V C S 473O  1 CREDIT
Note: Permission of instructor required. Process approved add slip in 2270A Vet Med.

SML AN SURG SOFTISS  V C S 473S  1 CREDIT
Note: Permission of instructor required. Process approved add slip in 2270A Vet Med.

VET CARDIOLOGY ROTAT  V C S 475  1-2 CREDITS
Prereq: FOURTH YEAR CLASSIFICATION IN V MED
Note: COURSE RESTRICTED TO 4TH YEAR VET MED STUDENTS
9128005  MTWRFS 8:00-5:00

EQUINE ANESTHESIOLOGY  V C S 476E  1-2 CREDITS
Prereq: FOURTH YEAR CLASSIFICATION IN V MED
Note: COURSE RESTRICTED TO 4TH YEAR VET MED STUDENTS
9128005  MTWRFS 8:00-5:00

PUBLIC HEALTH LAB  V MPM 486  2 CREDITS
Prereq: FOURTH-YEAR CLASSIFICATION IN V MED
6951005  MTWRFS 8:00-12:00

INDEPENDENT STUDY  V MPM 490 VAR. CREDITS
Prereq: PERMISSION OF DEPARTMENT AND DEPT CHAIR
Note: COURSE RESTRICTED TO 4TH YEAR VET MED STUDENTS
6951005  ARRANGED
6951005  MTWRFS 2:00-5:00

ZOOPRECEPTORSHIP  V MPM 494  1-8 CREDITS
Prereq: FOURTH YEAR CLASSIFICATION IN V MED
Note: COURSE RESTRICTED TO 4TH YEAR VET MED STUDENTS
6951005  ARRANGED
6951005  MTWRFS 2:00-5:00
VETERINARY MICROBIOLOGY & PREV MED (CONTINUED)

INT'L PRECEPTORSHIP V MPM 496 1-12 CREDITS
Prereq: SECOND-YEAR CLASSIFICATION IN VET MED
4332800 TH ARRANGED FLATT K
MEETS: MAY 19-JUNE 2
Note: SEC TH TAUGHT IN THAILAND. THAILAND VETERINARY STUDY ABROAD. OFFERED FOR 3 CREDITS SUMMER 2013
4332805 ZA ARRANGED THOEN C
MEETS: JUNE 6-AUG 2
Note: SEC ZA TAUGHT IN SOUTH AFRICA. WILDLIFE IMMUNIZATION & CONSERVATION IN SOUTH AFRICA. STUDY ABROAD SUMMER 2013 OFFERED FOR 3 CREDITS. Study Abroad Administrative Fee Applies

INTRO DNA TECHNIQS V MPM 542A 1 CREDIT
Prereq: GRADUATE CLASSIFICATION
Satisfactory-Fail Only.
4278005 1 MTWRF 1:00-2:00
MEETS: JUNE 17-JULY 2

INTR PROTEIN TECHNQ V MPM 542B 1 CREDIT
Prereq: GRADUATE CLASSIFICATION
Satisfactory-Fail Only.
4372005 1 MTWRF 1:00-2:00
MEETS: JULY 15-30

SPECIAL TOPICS V MPM 590 1-5 CREDITS
Prereq: PERMISSION OF INSTRUCTOR
Note: Instructor permission required.
***** SEE DEPT FOR REFERENCE NUMBERS

CREATIVE COMPONENT V MPM 599 VAR. CREDITS
Prereq: NON-THESIS M.S. OPTION ONLY
7307005 ARRANGED
MEETS: MAY 20-AUG 9

RESEARCH V MPM 699 VAR. CREDITS
Prereq: PERMISSION OF INSTRUCTOR
Note: Instructor permission required.
***** SEE DEPT FOR REFERENCE NUMBERS

VETERINARY PATHOLOGY

NECROPSY LAB PRACTM V PTH 456 1 CREDIT
Prereq: FOURTH-YEAR CLASSIFICATION IN V MED STUDENTS
7007005 M T 9:50-11:50 WHITLEY E
S 10:00-11:50 WHITLEY E
Note: Materials and professional support fee $150.00

CLIN PATH LAB PRACT V PTH 457 1 CREDIT
Prereq: FOURTH-YEAR CLASSIFICATION IN V MED STUDENTS
7008005 MTWRF 8:00-11:50 FLAHERTY H

INDEPENDENT STUDY V PTH 490 VAR. CREDITS
Prereq: PERMISSION OF INSTRUCTOR & DEPT CHAIR
Note: Permission of instructor required. Process approved adds slip in 2270A Vet Med.
***** SEE DEPT FOR REFERENCE NUMBERS

DIAG PARASITOL LAB V PTH 548 1-3 CREDITS
Prereq: 376 OR 576
9668005 ARRANGED JARVINEN J
MEETS: MAY 20-AUG 9

CLIN PATHOLOGY LAB V PTH 549 1 CREDIT
Prereq: 457, PERMISSION OF INSTRUCTOR
Satisfactory-Fail Only.
7037005 ARRANGED FLAHERTY H
MEETS: MAY 20-AUG 9
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 20-AUG 9

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 20-AUG 9

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

VETERINARY PATHOLOGY (CONTINUED)

SP TOP VET CLIN PTH V PTH 590D 1-4 CREDITS
Prereq: PERMISSION OF INSTRUCTOR
Note: Instructor permission required.
***** SEE DEPT FOR REFERENCE NUMBERS

SPECIAL TOPICS V PTH 590E 1-4 CREDITS
Prereq: PERMISSION OF INSTRUCTOR
Note: Instructor permission required.
***** SEE DEPT FOR REFERENCE NUMBERS

CRTV CMP VET PATHOL V PTH 599A VAR. CREDITS
***** SEE DEPT FOR REFERENCE NUMBERS

CRTV CMP VET PARASI V PTH 599B VAR. CREDITS
***** SEE DEPT FOR REFERENCE NUMBERS

CURR TOPICS SEMINAR V PTH 605 1 CREDIT
***** SEE DEPT FOR REFERENCE NUMBERS

DIAG INTERP V PATH V PTH 606A R CREDIT
Prereq: PERMISSION OF INSTRUCTOR
Note: Instructor permission required.
7029005 ARRANGED ACKERMANN M
MEETS: MAY 20-AUG 9

DIAG INTERP V PARAS V PTH 606B R CREDIT
Prereq: PERMISSION OF INSTRUCTOR
Note: Instructor permission required.
9694005 ARRANGED HOSTETTER S
MEETS: MAY 20-AUG 9

VET PATHOLOGY RSRCH V PTH 699 VAR. CREDITS
***** SEE DEPT FOR REFERENCE NUMBERS

VET PARASITOLOGY RSRCH V PTH 699B VAR. CREDITS
***** SEE DEPT FOR REFERENCE NUMBERS

VETERINARY STUDIES

GENDER & COMMUNICATION W S 323 3 CREDITS
Prereq: 2 COURSES IN PSYCHOLOGY INCLUDING PSYCHOLOGY OF WOMEN
Note: Meets U.S. diversity reqmt
4097005 ARRANGED
MEETS: MAY 20-AUG 9

SEX & GENDER IN SOCIE W S 327 3 CREDITS
Prereq: SOC 130 OR 134
Note: Meets U.S. diversity reqmt
7061005 A MTWRF 9:50-11:50
MEETS: MAY 20-AUG 9
7061010 B MTWRF 12:10-2:20
MEETS: JUNE 17-JULY 12

PSYCHOLOGY OF WOMEN W S 346 3 CREDITS
Prereq: 2 COURSES IN PSYCHOLOGY INCLUDING PSYCH 101
Note: Meets U.S. diversity reqmt
7064005 MTWRF 12:10-11:00
MEETS: MAY 20-JUNE 14

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 Department permission required.
***** SEE DEPT FOR REFERENCE NUMBERS

SENIOR INTERNSHIP W S 491 3 CREDITS
Prereq: SENIOR CLASSIFICATION
Note: Department permission required.
7067005 ARRANGED
MEETS: MAY 20-AUG 9

SENIOR THESIS W S 499 3 CREDITS
Prereq: SENIOR CLASSIFICATION
Note: Department permission required.
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