Spring Semester 2005
January 10 - May 6
www.iastate.edu/~registrar/calendar

Classes Begin: January 10
University Holiday: January 17
Spring Break: March 14-18
Final Exams: May 2-6
Commencement: May 6 (graduate)
May 7 (undergraduate)
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Business ........................................................................ 1200 Gerdin ......................................................... 294-8430
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Financial Aid Office  www.financialaid.iastate.edu
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ISUCard Office  www.adp.iastate.edu/idcard/
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Office of the Registrar  www.iastate.edu/~registrar/
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Registration Hold Contacts
Accounts Receivables Office ................................ 0880 Beardshear ......................................................... 294-7388
Admissions ...................................................... 100 Alumni Hall ......................................................... 294-5836
Dean of Students Office ..................................... 1010 Student Services Building ......................................................... 294-1021
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Loans Receivable .................................................. 0880 Beardshear ......................................................... 294-8747
Memorial Union .................................................. 214 Memorial Union ......................................................... 294-0993
Minority Students Office ...................................... Student Services Building, Suite 2080 ......................................................... 294-6338
Office of the Registrar ........................................ 214 Alumni Hall ......................................................... 294-1840
Student Health ................................................ 214 Alumni Hall ......................................................... 294-8426

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 Alumni Hall, and the Student Answer Center, Ground Floor, Beardshear.
Information You Need to Know

Class Registration on AccessPlus
Hours: 7 a.m.-10 p.m., Monday-Saturday.

Auditing Courses
Students must register for audits by day 10 of the semester. Instructors must approve all audits. The course is counted for fee assessment purposes, but does not count toward determining full-time student status, but is considered as a credit course for fee assessment purposes.

Fee Payment Deadlines
Fee payment deadlines for Spring 2005 are January 20, February 21, and March 21 for deferred billing. A $20 deferred billing charge is required. Contact Accounts Receivables for information.

Graduation Information
Students who plan to graduate this spring need to complete a graduation application. Details and deadlines can be found in the graduation information section of this publication or at www.iastate.edu/~registrar/graduation/.

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

Registration Start Dates for Spring 2005
Veterinary Medicine students: Wednesday, October 20
Graduate students: Wednesday, October 20 - Friday, October 22
All seniors: Thursday, October 21 - Wednesday, October 27
Projected juniors: Thursday, October 28 - Wednesday, November 3
Projected sophomores: Thursday, November 4 - Wednesday, November 10
Continuing freshmen: Thursday, November 11 - Friday, November 19

Room Assignments
Room assignments are available by viewing your schedule on AccessPlus and the online Schedule of Classes at www.adp.iastate.edu/cgi-bin/class. Find room locations on campus at www.iastate.edu/~catalog/schedule/roominfo.html

Schedule Changes
Students can make schedule changes in Web Registration through Friday, January 7.

Student Answer Center
Have a question and not sure where to go for the answer? Contact the Student Answer Center, Ground Floor, Beardshear. Open daily, Monday-Friday, 8 a.m.-5 p.m. E-mail: answercenter@iastate.edu; www.answer.iastate.edu/.

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 Alumni Hall, and the Student Answer Center, Ground Floor Beardshear.
Spring Semester 2005

Feb. 21, Mon. Fee payment deadline, spring semester.

Feb. 15, Fri. Last day to initiate registration without a late registration fee through AccessPlus registration; or in person at the Registrar’s Student Scheduling Office, 10 Alumni Hall. Last day to cancel registration for spring to avoid tuition assessment.

Jan. 10, Mon. Class work begins.

Jan. 14, Fri. Last day to process a schedule change without a fee or to add/drop a course without signatures of instructor and adviser (full-semester courses and first half-semester courses).


Jan. 20, Thurs. Fee payment deadline for spring semester.

Jan. 24, Mon. Last day to change a first half-semester course to or from Pass/Not Pass. Courses changed to graded basis after Jan. 24 count toward total allowable P/NP credits.

Feb. 11, Fri. Last day to drop a first half-semester course without extenuating circumstances.

Feb. 15, Tues. Last day to change degree audit information for spring semester degree audits. After this date, a fee is assessed for degree audit changes.

Feb. 21, Mon. Fee payment deadline, spring semester. Second payment (minimum due).

March 3, Thurs. Midterm grade reports due from all departments.

March 4, Fri. First half-semester courses end.

March 7, Mon. Second half-semester courses begin. Advising period for summer and fall registration begins.

March 11, Fri. Last day to process a schedule change in a second half-semester course without a fee or to add/drop a second half-semester course without signatures of an instructor and adviser. Last day to drop a second half-semester course without the drop appearing on the permanent record or counting toward the limit of dropped courses. Last day to change a second half-semester course from Pass/Not Pass to grade basis without it counting toward total allowable P/NP credits.

March 14-18, Spring break, classes recessed.

March 21, Mon. Fee payment deadline, spring semester. Final payment due.

April 14, Thurs. Last day to drop a second half-semester course without extenuating circumstances.

April 15, Fri. Graduate College last day for final oral examinations.

April 20, Wed. Last day of assigned registration start dates for Summer 2005 and Fall 2005 registration. Graduate College last day for final submission of thesis or dissertation.

April 22, Fri. Graduate College last day for final submission of graduate student graduation approval slip.

April 26-May 7 End of term textbook buyback begins at University Bookstore.

May 2-6, M-F Final examinations.

May 6, Fri. Graduate College applications for graduation for Summer 2005 are due in the Graduate College, 10 Pearson Hall. Undergraduate applications for graduation for Summer 2005 and Fall 2005 are due in the Registrar’s Graduation Office, 10A Alumni Hall. Graduate College Commencement: www.iastate.edu/~registrar/graduation

May 7, Sat. Undergraduate Commencement: www.iastate.edu/~registrar/graduation
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 2003-2005 catalog for specific requirements for admission. Applications are available from the Office of Admissions, 100 Alumni Hall. 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 must register as a graduate student if they take graduate credit courses. Up to nine semester credits of graduate credit taken as a nondegree/undeclared student may, if approved by the student’s program of study committee, apply toward a graduate degree.

Undergraduate Students
Nondegree student status is an undergraduate category of admission. Courses taken as a nondegree student may later be applied to undergraduate degree requirements if approved by the student’s college. However, credits earned as a nondegree student may not be used in a graduate degree program.

Reentering Students
Undergraduate students, both non-degree and degree seeking, who are planning to return to Iowa State University after an absence of 12 months or more must complete a reentry form. A student who has previously attended Iowa State only as a nondegree student and who now seeks to earn an undergraduate degree should complete an undergraduate application, not a reentry form.

International Students
International students should contact the Office of Admissions, 100 Alumni Hall 515-294-5836 for reentry instructions. Financial certification of ability to cover all educational and living expenses will be required. 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).

Requesting Reentry
Reentry forms are available from the Office of the Registrar, Tuition and Fees area, 0460 Beardshear, at 515-294-1889, or e-mail to registrar@iastate.edu. Reentry forms are also available online at www.iastate.edu/~registrar/info/reentry.html. Return the completed form to the Office of the Registrar well in advance of the beginning of the term for which reentry is desired. Students who have attended another college or university since their last enrollment at Iowa State must send official transcripts of all course work attempted to the Office of Admissions, 100 Alumni Hall.
The Office of the Registrar will 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.

**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.

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

**Returning Students**

- **Undergraduate and Nondegree Students**
  Non-international undergraduate and nondegree students, who have been away from Iowa State for less than 12 months and who were not academically dismissed, may contact the Office of the Registrar, Tuition and Fees area, at 515-294-1889 or e-mail to registrar@iastate.edu to have their student record and address information updated prior to meeting with their adviser to discuss course selection. These students do not need to complete a reentry form.

- **Academically Dismissed**
  Returning students who have been academically dismissed should contact their college student services office regarding procedures for reinstatement. Students who want to change colleges should contact their prospective college student services office.

- **Graduate Students**
  All graduate students who have been away from Iowa State for at least one semester (not including summer) should contact the Office of the Registrar, Tuition and Fees area, at 515-294-1889 or e-mail to registrar@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 Education Services, 250 Memorial Union, 515-294-1120.
General information about registering for courses

Registration

Follow these steps:

1. Obtain course information online using the following URL:
   www.adp.iastate.edu/cgi-bin/class.

2. Meet with your adviser or major professor. The advising period begins Monday, October 18. Undergrad students will be provided a degree audit to assist in course selection. Complete the Registration Worksheet and have your adviser or major professor sign it. Discuss alternative courses in case your first-choice courses are filled.

Review your registration start date/time information and any registration hold information on AccessPlus, under Current Information. Students in those colleges which require a four-digit registration access number (RAN)* should meet with their adviser to obtain their Registration Authorization Card on which the RAN is printed. Colleges that currently do not require a RAN are Business, Family and Consumer Sciences, Veterinary Medicine, and the Graduate College.

3. Register on the web through AccessPlus. Refer to the Registration Worksheet (www.iastate.edu/~registrar/forms/regwk.pdf) for instructions. (Skip to #4 if not registering by the Web Registration system.) Refer to your registration authorization card for your registration start date and start time. You will not have access to register before your start date and time.

4. Review schedule on AccessPlus, which will include room locations beginning Friday, December 3.

5. Pay fees. You will receive a bill from the Accounts Receivables Office for tuition, room and board, and various other university charges. Failure to receive a billing statement will not exempt you from late penalties or from having a hold placed on your registration. Call 294-7388 if you have questions.

*The registration access number (RAN) is your confidential, personal number required by some colleges to use the registration system. Since you will be held accountable for all changes made to your schedule through AccessPlus, do not share your number with anyone! You will be assigned a new RAN each registration period.

To register for classes on AccessPlus

Hours for the system: Monday-Saturday, 7 a.m. - 10 p.m.

AccessPlus does not check for time conflicts. Be sure to 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 Schedule of Classes link at the top of the screen. Section restrictions can be found at that site.

Deadlines

Friday, January 7 is the last day to initiate a registration for Spring 2005 through AccessPlus on the Web.

 Cancelling

You must notify the Office of the Registrar by Friday, January 7 of your intent to cancel registration to avoid tuition assessment. For information and a cancellation form, see www.iastate.edu/~registrar/registration/.

Cancelling

You must notify the Office of the Registrar by Friday, January 7 of your intent to cancel registration to avoid tuition assessment. For information and a cancellation form, see www.iastate.edu/~registrar/registration/.
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 on which the change is entered into the registration system. Schedule change periods are as follows:

**Period 1** ends on the fifth day of classes of the semester. 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 in some courses during Period 1. Schedule changes during period 1 may be processed through AccessPlus or by going to the Registrar's Student Scheduling Office, 10 Alumni Hall. Course drops during this period do not count toward a student's ISU drop limit, and will not appear on a student's grade slip or permanent record.

**Period 2** ends the third Friday after the day midterm grades are due. During this period, schedule changes require signatures of adviser and instructor on a Schedule Change/Restriction Waiver form. Completed forms are processed in 10 Alumni Hall. A schedule change fee of $10 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 grade slip and permanent record.

Drops and other schedule changes that are judged to be beyond the student's control may be processed as administrative actions if approved as such by the college dean. There is no schedule change fee for administrative schedule changes. Administrative drops do not count toward a student's ISU drop limit or appear as an X on the grade slip and permanent record. The effective date of an administrative action is the date approved by the college dean.

**Period 3** follows period 2 and extends through the remainder of the semester. Schedule changes during this period are permitted only for extenuating circumstances beyond the student's control; require a written statement of support from both the instructor and the adviser; and must be approved by the college dean.

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, contact the Registrar’s Student Scheduling Office, 10 Alumni Hall, 294-2331.

Tuition adjustment for reduction of total credits is based on the effective date of the change. For information on tuition adjustments, see the Fees and Tuition 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, nor does the summer 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 must be dropped for reasons beyond the student's control. These exceptions are granted only by the college student services office and/or dean.

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

Cancellation/Withdrawal of Registration

To cancel your spring registration and avoid tuition assessment (www.iastate.edu/~registrar/registration/), you must notify the Office of the Registrar by Friday, January 7. Beginning Monday, January 10, you must formally withdraw from the university to terminate your registration and you are subject to the tuition adjustment schedule. For more complete information on cancellation/withdrawal of registration, please refer to the “Fees and Tuition” section of this Schedule of Classes or to the Cancellation and Withdrawal information on the Web.
**Spring 2005 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, see [www.iastate.edu/~registrar/fees](http://www.iastate.edu/~registrar/fees)

### Fees and tuition chart

<table>
<thead>
<tr>
<th>Undergrad</th>
<th>Graduate</th>
<th>Vet Med Admitted Prior to 2002</th>
<th>Vet Med Admitted Fall 2002 or later</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Res.</strong></td>
<td><strong>Nonres.</strong></td>
<td><strong>Res.</strong></td>
<td><strong>Nonres.</strong></td>
</tr>
<tr>
<td><strong>Full fees</strong></td>
<td>$2,351</td>
<td>$7,202</td>
<td>$2,744</td>
</tr>
<tr>
<td><strong>Fees/credit</strong></td>
<td>196</td>
<td>601</td>
<td>305</td>
</tr>
</tbody>
</table>

**Credits:**

*Minimum charged for 1-2 credits*

<table>
<thead>
<tr>
<th>Credits</th>
<th>Undergrad</th>
<th>Graduate</th>
<th>Vet Med</th>
<th>Vet Med</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>*392</td>
<td>*610</td>
<td>*794</td>
<td>*860</td>
</tr>
<tr>
<td>2</td>
<td>*392</td>
<td>*610</td>
<td>*794</td>
<td>*860</td>
</tr>
<tr>
<td>3</td>
<td>588</td>
<td>915</td>
<td>1,191</td>
<td>1,290</td>
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<tr>
<td>4</td>
<td>784</td>
<td>1,220</td>
<td>1,588</td>
<td>1,720</td>
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<tr>
<td>5</td>
<td>980</td>
<td>1,525</td>
<td>1,985</td>
<td>2,150</td>
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<tr>
<td>6</td>
<td>1,176</td>
<td>1,830</td>
<td>2,382</td>
<td>2,580</td>
</tr>
<tr>
<td>7</td>
<td>1,372</td>
<td>2,135</td>
<td>2,779</td>
<td>3,010</td>
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<tr>
<td>8</td>
<td>1,588</td>
<td>2,440</td>
<td>3,176</td>
<td>3,440</td>
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<tr>
<td>9</td>
<td>1,764</td>
<td>2,744</td>
<td>3,573</td>
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<td>3,927</td>
<td>4,376</td>
<td>4,620</td>
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<tr>
<td>11</td>
<td>2,156</td>
<td>4,467</td>
<td>4,730</td>
<td>4,990</td>
</tr>
<tr>
<td>12</td>
<td>2,351</td>
<td>5,024</td>
<td>4,763</td>
<td>5,150</td>
</tr>
</tbody>
</table>

Non-Residents with 4 credit hours or less are assessed the resident tuition rate.

Saturday MBA, Des Moines MBA classes will be assessed graduate rate plus a $92/credit supplemental tuition fee. All MBA Fees Subject To Change By The Board of Regents, State of Iowa.

Minimum Tuition is assessed to students enrolled for 1-2 credits or non-coop, required credit only.

Students on graduate assistantships (C-Base) will be assessed $2744 (Fall ’04 & Spring ’05 Terms) regardless of the number of credits.

### Fee Policies and Descriptions:

**2004-2005**

- **Des Moines MBA program** courses are assessed at the graduate rate in the current fee schedule plus a $92 per credit supplemental tuition fee. Non-residents taking less than 4.5 credits are assessed at the resident rate. Fee subject to change without notice.
- **Interim** (partial-semester, between-terms), **audit** (zero-credit), and **in absentia** (research, away from campus study) courses are assessed fees as listed in the current fee schedule.
- **Non-degree undergraduate and non-collegiate** students are assessed undergraduate fees as listed in the current fee schedule.
- **Distance education courses** are assessed at the resident rate and the minimum fee does not apply. However, non-resident students who enroll in a combination of on and distance education courses are assessed the non-resident rate for all credits taken.
- **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) course is assessed at no charge unless the R-credit course is the only course enrollment. Note: There is no charge for R-credit co-op internship courses.
- **Saturday MBA program** courses are assessed at the graduate rate in the current fee schedule plus a $92 per credit supplemental tuition fee. Fee subject to change without notice.
- **Study abroad credits**, up to a maximum of 12 credits, are assessed above and beyond tuition for other courses taken during the same term.
- **Workshop fee** for one-credit workshops, with no other course enrollments, is $196 for undergraduate students and $305 for graduate students.
- **Zero credit course** is assessed based on contact hours with a maximum assessment of 3 credits.
- **Developmental courses** are assessed specific fees above and beyond tuition for other courses taken during the same term.

<table>
<thead>
<tr>
<th>Math 10</th>
<th>$392</th>
</tr>
</thead>
<tbody>
<tr>
<td>Chem 50X</td>
<td>$225</td>
</tr>
<tr>
<td>Engl 99L</td>
<td>$240</td>
</tr>
<tr>
<td>Engl 99R</td>
<td>$160</td>
</tr>
</tbody>
</table>
Fees and Tuition

Tuition and fees are subject to change without notice.

Past Due Accounts
Students having past due receivable charges may be dropped from enrollment for spring if these past due charges are not paid by the first day of classes. A statement indicating past due charges will be shown on the December 31 billing statement.

Payment of Fees
The Receivables Office bills for tuition, room and board, and various other university charges. A statement of new charges will be available the first of each month on the student’s account on AccessPlus at https://accessplus.iastate.edu/frontdoor/login.jsp. The student will receive an e-mail message instructing them to check their AccessPlus account. It is the student’s responsibility to ensure that the university has a correct e-mail address. Failure to view a billing statement will not exempt students from late penalties or from having a hold placed on their registration.

Payments are due January 20. Students also have the option of paying tuition and room and board in three installments. The first installment is due January 20, the second is due February 21, and the final payment is due March 21.

If students elect to use deferred billing, they will be assessed a $20 administrative fee on their February bill. Students who do not pay their December 31 bill in full by the due date will by default select the deferred option. Any other charges that are not deferrable must be paid in full by January 20.

Students may pay by mail by sending a check or money order (along with the bottom portion of the billing statement printed from AccessPlus) to Iowa State University, Payment Processing Center, P. O. Box 4992, Des Moines, IA 50306-4992; or online using AccessPlus. Payments also may be made in person in the Treasurer’s Office, 1220 Beardshear. Payments must be received by the due date to avoid late penalties.

If students do not pay the minimum due on each billing statement, all fees become due immediately. A one percent finance charge will be assessed on the total amount due at that time, and a hold would be placed on their registration until the total amount is paid.

The University reserves the right to drop students from enrollment for non-payment of fees. Students subject to being dropped will be notified.

Cancelling Registration
A cancellation is processed when a student notifies the Office of the Registrar, prior to the day class work begins, of their decision not to attend classes for the current semester. All courses are removed and no tuition and fees are assessed. To cancel registration and avoid tuition penalty assessment, notify the Office of the Registrar by Friday, January 7. Do not use AccessPlus to cancel your registration.

Students may cancel their registration by contacting the Office of the Registrar at 515-294-1889 or via www.iastate.edu/~registrar/registration/. Students should make a record of the name of the person taking the call, as well as the time and date called.

Withdrawing Registration
A withdrawal is processed beginning the first day of classes when a student notifies their academic adviser and college of their decision not to continue attending courses for a semester. Beginning Monday, January 10, you must formally withdraw from the university to terminate your registration and you are subject to the tuition adjustment schedule. The effective date of the withdrawal is the date of approval by your college student services office and/or dean.

To withdraw, contact your adviser and complete a Request for Withdrawal form, and then request the approval of your college student services office and/or dean. If the request is approved, the form will be forwarded to the Office of the Registrar for processing.

If you withdraw, courses taken will not be recorded on your permanent record and will not count toward your drop limit. Partial term courses completed prior to withdrawal will be included on your permanent record. Incompletes will not be accepted for withdrawals. Refunds will be made on the unused portion of fees for registration, room and board, when applicable.

If 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 withdrawal is approved during period 3 for a student on temporary enrollment, the student will not be permitted to enroll the following term, except under extenuating circumstances.

If these procedures for withdrawing from the university are not followed, instructors will assign whatever grades or marks they consider appropriate. Since these grades may be F’s, students are warned that failure to follow the prescribed withdrawal procedures may adversely affect a later application for reentry or transfer to another institution. For more information on withdrawal policies, refer to the Iowa State University Undergraduate and Graduate Courses and Programs 2003-2005 catalog.
Tuition Adjustment Schedule for Workshops and Short Courses

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

Tuition Adjustment Schedule

This tuition adjustment schedule is subject to change.

Tuition adjustments for withdrawals of registration are based upon the following table for Spring 2005:

<table>
<thead>
<tr>
<th>Withdrawal Date</th>
<th>Student Pays</th>
</tr>
</thead>
<tbody>
<tr>
<td>Jan. 10-14</td>
<td>10%</td>
</tr>
<tr>
<td>Jan. 18-24</td>
<td>25%</td>
</tr>
<tr>
<td>Jan. 25-31</td>
<td>50%</td>
</tr>
<tr>
<td>Feb. 1-7</td>
<td>75%</td>
</tr>
<tr>
<td>After Feb. 7</td>
<td>100%</td>
</tr>
</tbody>
</table>

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 10th class day of the term. Students who drop below full-time during the first two weeks will receive a credit adjustment of 100%, with no adjustment after the second week. Students who add courses at any time during the semester will be assessed tuition and fees if applicable according to the fee schedule.

Appropriate adjustments in the tuition assessment will be made when partial term courses are involved.

Students may appeal a tuition and fees assessment for withdrawal by obtaining a “Procedures for Appealing Assessed Tuition” form from the fees section in the Office of the Registrar, 0460 Beardshear. The Office of the Registrar will review appeals for possible tuition and fees adjustment for the semester in question only after the written appeal and appropriate support documentation are received from the student. Determinations will be made by the Office of the Registrar based on extenuating circumstances beyond the control of the student. The results will be sent to the student in writing.

Students may appeal the decision of the Office of the Registrar by writing an appeal letter to the Tuition Appeals Review Committee. This letter should be submitted to the Office of the Registrar within 10 calendar days after receiving the original decision. A final appeal of the Tuition Appeals Review Committee decision can be made by submitting a request in writing to the Office of the Provost.

GLOSSARY OF FEES

Activity, Services and Building Fee

All full time students will be charged a $171 activity services and building fee except for students exclusively registered for the following: distance education courses; courses for which no tuition is assessed; continuous registration status courses; and high school students enrolled under the Post-Secondary Enrollment Options Act. Students who are exempt from the activity fee may elect to pay the fee. Part time students will be assessed either $85.50 or $128.25 based upon the number of credits in which they are enrolled.

For students who withdraw or change to an exempt status as defined above, the tuition adjustment schedule also 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 $30; the international application fee for undergraduates is $50. This fee does not apply to special students or workshop applicants. The international application fee for graduate students is $70.

Computer Fee

All students will be charged a computer fee each semester. Full-time students in the College of Engineering (including Biomedical Engineering) will be charged $210 per semester. Full-time students in the majors Management Information Systems, Computer Science, or Pre-Computer Science will be assessed $167 per semester. All other full-time graduate students will be assessed $78 per semester. All other full-time undergraduate students will be assessed $98 per semester. Students enrolled less than full-time will be assessed prorated computer fees according to the number of credits for which they are enrolled.

Graduate students holding research or teaching assistant appointments will be assessed $105 for those in the Engineering college (including Biomedical Engineering), $83.50 for those in the Computer Science department, and $39 for all other majors, regardless of the number of credits and the fraction of time they are on appointment.

Students enrolled exclusively in any one of the following categories will not be assessed computer fees: Post Secondary Enrollment Options Act students; registrations which do not carry a tuition assessment; additional student categories as determined by the University.

For students who withdraw or drop below full-time, the tuition adjustment schedule will be applied for computer fees. The credit adjustment schedule for the computer fee for reduction from a full load to light classification is 100% through the tenth class day. No tuition adjustment will be made after the tenth class day (Jan. 24).
Students who change their major will receive a computer fee credit adjustment of 100% through the tenth class day, with no adjustment after the tenth class day. Students who are double majors will be assessed the rate for the major having the higher rate.

**Developmental Course Fee**
Math 10 and Math 20 each have a fee of $392. Chem 50X has a fee of $225. Engl 99L has a fee of $240 and Engl 99R has a fee of $160. This is a separate fee charged in addition to other fees and tuition.

**Graduation Fee**
Undergraduate and graduate students are assessed a $35 fee the term of graduation.

**Health Facility Fee**
All students are assessed an $8 health facility fee, except for students exclusively registered for the following: distance education courses; courses for which no tuition is assessed; continuous registration status courses; and high school students enrolled under the Post-Secondary Enrollment Options Act. (Note: Exceptions do not apply to international students or graduate students on C-base appointment.)

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**
All students are assessed a $85 Student Health Fee, except for students enrolled for four credits or less or students exclusively registered for the following: distance education courses; foreign group study programs; courses for which no tuition is assessed; continuous registration status courses; weekend MBA courses; Lakeside Lab or geology field camp courses; and high school students enrolled under the Post-Secondary Enrollment Options Act. (Note: Exceptions do not apply to international students or graduate students on C-base appointment.) Students who are exempt from the health fee may participate in the Health Plus Plan.

Students who withdraw or change to an exempt status (as defined above) will receive a credit adjustment of 100% through the tenth class day, with no adjustment after the tenth class day (Jan. 24). Students who add courses at any time during the semester will be assessed the student health fee if applicable according to the guidelines stated above.

**Health Insurance (Optional)**
International students are required to purchase the health insurance plan. Other students may enroll in the plan by contacting the Student Health Insurance Office at 515-294-4820, or e-mail stdntins@iastate.edu.

Students who enroll in the health insurance plan are also required to pay the health fee and health facility fee (no exemptions apply).

**Health Plus Plan (Optional)**
Students who are not assessed the mandatory Student Health Fee and spouses of students are eligible to participate in the Health Plus Plan for a fee of $85, which allows participants to receive services at the Student Health Center for the same rate as students who pay the mandatory Student Health Fee. Students not in the Health Plus Plan may use the services of the Student Health Center on a fee for service basis. Enroll in the plan by contacting the Student Health Insurance Office, at 515-294-2394.

Students who elect the single Health Plus Plan will be assessed $85 plus the $8 health facility fee. Married students who have been assessed the mandatory health fee who elect to add the spouse plan will be assessed $85 plus the $8 health facility fee for the spouse. A student who is exempt from the mandatory Student Health Fee may elect both the student and spouse Health Plus Plan for a cost of $170 plus a $16 health facility fee.

Students who withdraw will receive a credit adjustment of 100% of the Health Plus Plan costs for withdrawal through the fifteenth class day, (no credit adjustments after the fifteenth class day). There will be no credit adjustment if a student used the services of the Student Health Center prior to withdrawing from the university.

**Late Registration Fee**
Friday, January 7 is the last day to initiate a registration for full semester courses for Spring 2005 without a late registration fee. Beginning Monday, January 10, undergraduate students are assessed a late registration fee of $20. Graduate students are assessed a late registration fee of $20 the first week of classes, $50 the second week, and $100 the third week or later.

**New Student Programs/Matriculation Fee**
A $131 fee is assessed to all new degree-seeking students prior to admission. (Note: This fee is subject to change.) This fee does not apply to nondegree seeking students, veterinary medicine students, graduate students, or students enrolled exclusively in distance education courses.

**Special Course Fees**
Special course fees and their descriptions are included in the course listing section of this booklet. Possible fees may include consumable materials, other lab fees or field trip fees.

**Study Abroad**
Study abroad credits, up to a maximum of 12 credits, are assessed above and beyond tuition for other courses taken during the same term.
Night Examinations

Night exams may be scheduled for a multi-sectioned course if a common departmentally developed examination will be administered to all students in the course at the same time, and test scores will be used as a basis for uniform grading for all sections of the course. Requests for new night exams will only be granted if appropriate accommodation can be arranged, with consideration given to student schedule conflicts and room availability. Night exam requests must be approved by the Provost and announced in the Schedule of Classes.

Whenever a night exam is administered, a regular class meeting during that week will be omitted. Students who are unable to take a night exam at a scheduled time because of a course conflict or other legitimate reason must notify the instructor in advance and must be given the opportunity to be examined at another time mutually convenient for the student and the instructor.

The instructor will determine whether to administer the same exam or an alternate exam, or use an alternate assessment procedure. Graduate faculty who want to administer a night examination should work directly with Room Scheduling to ensure that a room is available for the exam.

Night Exams for Spring 2005

Updates are posted to www.iastate.edu/~registrar/exams/nitexam.html

<table>
<thead>
<tr>
<th>Course</th>
<th>Time, Day of Week, Date</th>
<th>Course</th>
<th>Time, Day of Week, Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acct 285</td>
<td>8:00-10:00 p.m. Tues. Feb. 15</td>
<td>E M 274</td>
<td>8:00-10:00 p.m. Thurs. Mar. 24</td>
</tr>
<tr>
<td>Acct 285</td>
<td>8:00-10:00 p.m. Thurs. Mar. 22</td>
<td>E M 274</td>
<td>8:00-10:00 p.m. Thurs. Apr. 21</td>
</tr>
<tr>
<td>Aer E 160</td>
<td>8:00-10:00 p.m. Tues. Feb. 15</td>
<td>E M 324</td>
<td>8:00-9:30 p.m. Wed. Feb. 9</td>
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<tr>
<td>Aer E 160</td>
<td>8:00-10:00 p.m. Tues. Apr. 5</td>
<td>E M 324</td>
<td>8:00-9:30 p.m. Wed. Mar. 23</td>
</tr>
<tr>
<td>Astro 120</td>
<td>6:30-7:45 p.m. Thurs. Feb. 17</td>
<td>E M 324</td>
<td>8:00-9:30 p.m. Wed. Apr. 20</td>
</tr>
<tr>
<td>Astro 120</td>
<td>6:30-7:45 p.m. Thurs. Apr. 7</td>
<td>E M 345</td>
<td>8:00-10:00 p.m. Mon. Feb. 7</td>
</tr>
<tr>
<td>C E 332</td>
<td>8:00-10:00 p.m. Thurs. Feb. 10</td>
<td>E M 345</td>
<td>8:00-10:00 p.m. Wed. Mar. 9</td>
</tr>
<tr>
<td>C E 332</td>
<td>8:00-10:00 p.m. Thurs. Apr. 14</td>
<td>E M 378</td>
<td>8:00-10:00 p.m. Mon. Apr. 18</td>
</tr>
<tr>
<td>C E 333</td>
<td>8:00-10:00 p.m. Thurs. Feb. 17</td>
<td>E M 378</td>
<td>6:30-7:45 p.m. Wed. Mar. 9</td>
</tr>
<tr>
<td>C E 333</td>
<td>8:00-10:00 p.m. Thurs. Apr. 7</td>
<td>E M 378</td>
<td>6:30-7:45 p.m. Thurs. Apr. 21</td>
</tr>
<tr>
<td>C E 334</td>
<td>8:00-10:00 p.m. Thurs. Feb. 10</td>
<td>Engr 160</td>
<td>8:00-10:00 p.m. Tues. Apr. 5</td>
</tr>
<tr>
<td>C E 334</td>
<td>8:00-10:00 p.m. Thurs. Mar. 10</td>
<td>Engr 160</td>
<td>8:00-10:00 p.m. Tues. May 1</td>
</tr>
<tr>
<td>C E 334</td>
<td>8:00-10:00 p.m. Thurs. Apr. 14</td>
<td>Fin 301</td>
<td>8:00-9:30 p.m. Mon. Mar. 28</td>
</tr>
<tr>
<td>C E 360</td>
<td>8:00-10:00 p.m. Mon. Feb. 21</td>
<td>Math 141</td>
<td>8:00-9:30 p.m. Mon. Mar. 28</td>
</tr>
<tr>
<td>C E 360</td>
<td>8:00-10:00 p.m. Mon. Apr. 4</td>
<td>Math 142</td>
<td>8:00-9:30 p.m. Mon. Apr. 4</td>
</tr>
<tr>
<td>Chem 165</td>
<td>6:30-7:30 p.m. Wed. Feb. 2</td>
<td>Math 165</td>
<td>8:00-9:30 p.m. Thurs. Feb. 17</td>
</tr>
<tr>
<td>Chem 165</td>
<td>6:30-7:30 p.m. Wed. Feb. 23</td>
<td>Math 166</td>
<td>8:00-9:30 p.m. Thurs. Feb. 24</td>
</tr>
<tr>
<td>Chem 165</td>
<td>6:30-7:30 p.m. Wed. Mar. 30</td>
<td>Math 195</td>
<td>8:00-9:30 p.m. Mon. Apr. 18</td>
</tr>
<tr>
<td>Chem 165</td>
<td>6:30-7:30 p.m. Wed. Apr. 20</td>
<td>Math 195</td>
<td>8:00-9:30 p.m. Mon. Apr. 18</td>
</tr>
<tr>
<td>Chem 178</td>
<td>6:30-7:30 p.m. Wed. Feb. 9</td>
<td>Math 195</td>
<td>8:00-9:30 p.m. Mon. Apr. 18</td>
</tr>
<tr>
<td>Chem 178</td>
<td>6:30-7:30 p.m. Wed. Mar. 9</td>
<td>Math 196</td>
<td>8:00-9:30 p.m. Mon. Apr. 18</td>
</tr>
<tr>
<td>Chem 178</td>
<td>6:30-7:30 p.m. Wed. Apr. 13</td>
<td>Math 196</td>
<td>8:00-9:30 p.m. Mon. Apr. 18</td>
</tr>
<tr>
<td>Chem 178</td>
<td>6:30-7:30 p.m. Wed. Apr. 27</td>
<td>Math 196</td>
<td>8:00-9:30 p.m. Mon. Apr. 18</td>
</tr>
<tr>
<td>Chem 231L</td>
<td>7:9:15 as arr., Mon. Apr. 25</td>
<td>Phys 111</td>
<td>8:00-9:30 p.m. Tues. Mar. 8</td>
</tr>
<tr>
<td>Chem 321L</td>
<td>8:00-10:00 p.m. Wed. Apr. 27</td>
<td>Phys 111</td>
<td>8:00-9:30 p.m. Tues. Apr. 12</td>
</tr>
<tr>
<td>Chem 322L</td>
<td>8:00-10:00 p.m. Wed. Apr. 27</td>
<td>Phys 111</td>
<td>8:00-9:30 p.m. Tues. Apr. 12</td>
</tr>
<tr>
<td>Chem 331L</td>
<td>7:9:15 as arr., Mon. Apr. 25</td>
<td>Phys 221 and 221H</td>
<td>8:00-10:00 p.m. Thurs. Feb. 17</td>
</tr>
<tr>
<td>Chem 332</td>
<td>6:30-7:30 p.m. Tues. Feb. 1</td>
<td>Phys 221 and 221H</td>
<td>8:00-10:00 p.m. Thurs. Mar. 31</td>
</tr>
<tr>
<td>Chem 332</td>
<td>6:30-7:30 p.m. Tues. Feb. 22</td>
<td>Phys 222 and 222H</td>
<td>8:00-10:00 p.m. Wed. Apr. 15</td>
</tr>
<tr>
<td>Chem 332</td>
<td>6:30-7:30 p.m. Tues. Mar. 8</td>
<td>Phys 222 and 222H</td>
<td>8:00-10:00 p.m. Wed. Apr. 15</td>
</tr>
<tr>
<td>Chem 332</td>
<td>6:30-7:30 p.m. Tues. Apr. 5</td>
<td>POM 320</td>
<td>8:00-10:00 p.m. Thurs. Mar. 3</td>
</tr>
<tr>
<td>Chem 332</td>
<td>6:30-7:30 p.m. Tues. Apr. 26</td>
<td>POM 320</td>
<td>8:00-10:00 p.m. Thurs. Apr. 5</td>
</tr>
<tr>
<td>Chem 332L</td>
<td>7:9:15 as arr., Mon. Apr. 25</td>
<td>POM 320</td>
<td>8:00-10:00 p.m. Thurs. Apr. 5</td>
</tr>
<tr>
<td>Com S 207</td>
<td>6:30-7:30 p.m. Tues. Feb. 8</td>
<td>Psych 101</td>
<td>8:00-10:00 p.m. Thurs. Mar. 3</td>
</tr>
<tr>
<td>Com S 207</td>
<td>6:30-7:30 p.m. Tues. Mar. 22</td>
<td>Psych 101</td>
<td>8:00-10:00 p.m. Thurs. Apr. 7</td>
</tr>
<tr>
<td>Com S 227</td>
<td>6:30-7:30 p.m. Wed. Feb. 9</td>
<td>Psych 101</td>
<td>8:00-10:00 p.m. Thurs. Apr. 7</td>
</tr>
<tr>
<td>Com S 227</td>
<td>6:30-7:30 p.m. Wed. Mar. 23</td>
<td>Psych 230</td>
<td>6:30-7:45 p.m. Tues. Mar. 15</td>
</tr>
<tr>
<td>Com S 228</td>
<td>6:30-7:30 p.m. Thurs. Feb. 17</td>
<td>Psych 230</td>
<td>6:30-7:45 p.m. Tues. Mar. 15</td>
</tr>
<tr>
<td>Com S 228</td>
<td>6:30-7:30 p.m. Thurs. Mar. 24</td>
<td>Psych 280</td>
<td>6:30-7:45 p.m. Wed. Feb. 2</td>
</tr>
<tr>
<td>Com S 228</td>
<td>6:30-7:30 p.m. Thurs. Apr. 14</td>
<td>Psych 280</td>
<td>6:30-7:45 p.m. Wed. Feb. 2</td>
</tr>
<tr>
<td>Com S 311</td>
<td>8:00-10:00 p.m. Mon. Feb. 14</td>
<td>Psych 280</td>
<td>6:30-7:45 p.m. Wed. Feb. 2</td>
</tr>
<tr>
<td>Com S 311</td>
<td>8:00-10:00 p.m. Mon. Apr. 4</td>
<td>Soc 134</td>
<td>6:30-7:30 p.m. Wed. Feb. 16</td>
</tr>
<tr>
<td>E M 274</td>
<td>8:00-10:00 p.m. Thurs. Feb. 10</td>
<td>Soc 134</td>
<td>6:30-7:30 p.m. Mon. Mar. 28</td>
</tr>
</tbody>
</table>
Credit by Examination

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

It is suggested that you take a test-out exam the semester before you would plan to take the course. In some courses, students who plan to take the test-out exam may not be allowed to register for the course for the same semester. For more information, please refer to the Iowa State University Undergraduate and Graduate Courses and Programs 2003-2005 catalog.

Departmental Test-out Exams
Departmental test-out exams are available for many courses. For a current list, visit the Student Counseling Services web site at http://scs.iastate.edu/scs/. After you have accessed the web site, choose Services --Testing--Test-outs (Credit by Exam).

For more information contact:
Testing Office
Student Counseling Service
2030 Student Services Building, 2nd floor
Phone: (515) 294-5058

CLEP Exams
CLEP examinations are national computer based tests authorized by Iowa State University for credit in both specific classes and general areas of study. Six credits may be earned on each of the CLEP general exams. Students must score at or above a B grade level to receive credit in the following areas: humanities (2 credits fine arts and 4 credits literature); natural sciences (3 credits biological sciences and 3 credits natural sciences); social science and history (4 credits social sciences and 2 credits history). CLEP subject tests are listed below. Students must score at or above a B grade level to receive credit on a CLEP subject examination.

CLEP exams are administered by the Student Counseling Service. For more information, go to the following website: www.admissions.iastate.edu/cbe/cbe_clep.php. To take a CLEP exam, you must register in the Testing Office, 2nd floor, Student Services Building, at least one week prior to the test date. For further information about test registration and fees or for a handout about the test, contact the Testing Office, 2nd floor, Student Services Building (open Monday-Thursday, 8 a.m.-5 p.m.; Friday, 8 a.m.-12 p.m. - Hours subject to change), 294-5058.

If you need help deciding whether to take a CLEP exam, consult your adviser and/or the department that teaches the course. All CLEP exams are given Monday-Friday.

CLEP Subject Exams
• Acct 284, 285 (May not count in Engineering - contact department prior to registration)
• Biol 109 (Not for Biology or Engineering majors)
• French 101, 102, 201, 202
• Math 141, 165
• Pol S 215
• Psych 101
• Soc 134
• Span 101, 102, 201, 202

CLEP General Exams
(If you are enrolling in the College of Engineering, please do not take these general CLEP exams.)
• Humanities (2 credits fine arts & 4 credits literature)
• Natural Sciences (3 credits biological sciences & 3 credits natural sciences)
• Social science and history (4 credits social sciences & 2 credits history)
Tentative Final Exam Schedule

All class work will close on Saturday, 5 p.m., April 30.

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

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

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

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

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

Other courses not provided for on the exam schedule, such as courses with first contact hour Tuesday at 12 or on Wednesday, should test during finals week at a time to be announced by the instructor.

Examinations will be held in the meeting place of the first contact of the week, except those in special groups. For the special groups, the place will be announced by the instructor, and displayed on the Web once room assignments are made (about a month after the start of the semester).

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

Special Group Exams

The following courses are most likely to have special group exams scheduled for Spring 2005. (This list of group exam courses may change due to departmental preference and/or time and room scheduling difficulties.)

Acct 215, 284, 285
Aer E 160
Agron 114
Astro 120
C I 204
Chem 165, 178, 332
Com S 207, 227, 228, 311
E M 274, 324, 345, 378
Engr 160
Fin 301
Frncn 102, 202
Geol 100
M E 270, 324, 325, 335
Math 151, 165, 166, 195, 196, 265, 266, 267
MIS 331, 432
Phys 111, 221, 221H, 222, 222H
POM 320
Psych 101 (Sec. A, B, C only), 230, 280
Soc 134
Span 102, 202

Exams Based on Contact Hours

Exam times based on first contact hour will be as follows:

<table>
<thead>
<tr>
<th>First Contact</th>
<th>Exam Day</th>
<th>Exam Time</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mon., 8 a.m.</td>
<td>Fri., May 6</td>
<td>7:30-9:30 a.m.</td>
</tr>
<tr>
<td>Mon., 9 a.m.</td>
<td>Tues., May 3</td>
<td>7:30-9:30 a.m.</td>
</tr>
<tr>
<td>Mon., 10 a.m.</td>
<td>Wed., May 4</td>
<td>9:45-11:45 a.m.</td>
</tr>
<tr>
<td>Mon., 11 a.m.</td>
<td>Mon., May 2</td>
<td>9:45-11:45 a.m.</td>
</tr>
<tr>
<td>Mon., 12 p.m.</td>
<td>Wed., May 4</td>
<td>2:15-4:15 p.m.</td>
</tr>
<tr>
<td>Mon., 1 p.m.</td>
<td>Thurs., May 5</td>
<td>12:00-2:00 p.m.</td>
</tr>
<tr>
<td>Mon., 2 p.m.</td>
<td>Tues., May 3</td>
<td>12:00-2:00 p.m.</td>
</tr>
<tr>
<td>Mon., 3 p.m.</td>
<td>Mon., May 2</td>
<td>2:15-4:15 p.m.</td>
</tr>
<tr>
<td>Mon., 4 p.m.</td>
<td>Fri., May 6</td>
<td>12:00-2:00 p.m.</td>
</tr>
<tr>
<td>Tues., 8 a.m.</td>
<td>Thurs., May 5</td>
<td>7:30-9:30 a.m.</td>
</tr>
<tr>
<td>Tues., 9 a.m.</td>
<td>Mon., May 2</td>
<td>7:30-9:30 a.m.</td>
</tr>
<tr>
<td>Tues., 10 a.m.</td>
<td>Thurs., May 5</td>
<td>9:45-11:45 a.m.</td>
</tr>
<tr>
<td>Tues., 11 a.m.</td>
<td>Tues., May 3</td>
<td>9:45-11:45 a.m.</td>
</tr>
<tr>
<td>Tues., 12 p.m.</td>
<td>Exam time to be ann. by instructor</td>
<td></td>
</tr>
<tr>
<td>Tues., 1 p.m.</td>
<td>Fri., May 6</td>
<td>9:45-11:45 a.m.</td>
</tr>
<tr>
<td>Tues., 2 p.m.</td>
<td>Mon., May 2</td>
<td>12:00-2:00 p.m.</td>
</tr>
<tr>
<td>Tues., 3 p.m.</td>
<td>Wed., May 4</td>
<td>7:30-9:30 a.m.</td>
</tr>
<tr>
<td>Tues., 4 p.m.</td>
<td>Thurs., May 5</td>
<td>2:15-4:15 p.m.</td>
</tr>
</tbody>
</table>
Graduation

Undergraduate Students
Spring 2005 graduating seniors are encouraged to submit applications for graduation after registering in October for their final semester. Applications are available from the adviser, college student services office, the Registrar’s Graduation Office, 10A Alumni Hall, or website www.iastate.edu/~registrar/graduation/. The application is due in 10A Alumni Hall by Friday, December 17. You will be assessed a $35 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. All incompletes must be resolved and transfer grades in the Office of the Registrar by midterm. Financial obligations owed to the university and loan exit interviews must be completed, as required, before graduation.

Ceremony, attendance, and diploma mailing information will be mailed to your in-session address approximately four weeks before graduation. Please notify the Office of the Registrar, 214 Alumni Hall, of any address changes. If you do not receive this information, contact the Registrar’s Graduation Office, 10A Alumni Hall, (515) 294-9372; e-mail: graduation@iastate.edu.

Undergraduate university commencement ceremony will be held Saturday, May 7, at 1:30 p.m., in Hilton Coliseum.

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

For more information, contact the Registrar’s Graduation Office, 10A Alumni Hall, (515) 294-9372; e-mail: graduation@iastate.edu.

Teacher Licensure
Students graduating with teaching emphasis may obtain application forms for the Iowa Teachers License in the Education Student Services Office, E105 Lagomarcino. Completed forms and fee should be returned to Education Student Services by midterm of the semester in which the student plans to graduate.

Graduate Students
Specific deadlines have been set by the Graduate College for all graduate students. Failure to meet these deadlines may cause your name to be removed from the graduation list for Spring 2005.

• An “Application for Graduation” (diploma slip) should be obtained from your department and filed in the Graduate College by Friday, January 14.

• Last day for graduate students to cancel graduation, by March 25. 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 your department and submitted to the Graduate College at least three weeks before the final oral examination.

• Final oral examination must be taken by Friday, April 15.

• Final, approved copies of your thesis or dissertation must be submitted to the Thesis Office, 10 Pearson, by Wednesday, April 20.

• Signatures must be obtained on the “Graduate Student Approval Slip” by Friday, April 22. This form will be sent to your major professor or department when your “Request for Final Examination” is approved. All incompletes from past terms and conditions on the final examination must be removed by this date.

• Financial obligations owed to the university and loan exit interviews must be completed, as required, before graduation.

Ceremony, attendance, and diploma mailing information will be mailed to your in-session address approximately four weeks before graduation. Please notify the Office of the Registrar, 214 Alumni Hall, of any address changes. If you do not receive this information, contact the Registrar’s Graduation Office, 10A Alumni Hall, (515) 294-9372; e-mail: graduation@iastate.edu.

The Graduate College commencement ceremony will be held at 8 p.m., Friday, May 6 in C.Y. Stephens Auditorium.

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, 10 Pearson, (515) 294-4531.
Student Records

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

Undergraduate students will receive one free degree audit during the registration advising period. In addition, alternative and replacement degree audits are available for $3 per audit ordered. Orders submitted by noon Thursday are available early the following week.

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

To request a replacement degree audit, contact your college student services office.

Freshman Year Report to High Schools
Board of Regents, State of Iowa universities participate with Iowa high schools in an analysis of freshman year academic performance at the end of your freshman year only.

A report of all ISU freshmen from your high school is sent to your high school principal. This report shows how you and your high school classmates perform in comparison to the entire ISU freshman class. For further information, contact the Office of the Registrar, 214 Alumni Hall.

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

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

Summer status depends on the number of weeks a student is enrolled. Always contact the Office of the Registrar (515-294-1840) to verify a student’s status for a summer session.

Transcripts
Official transcripts of your record can be ordered for a charge from AccessPlus; the Office of the Registrar, 214 Alumni Hall, (515)294-1840; or fax by downloading the form from www.iastate.edu/~registrar/forms/#transcript. Transcripts will not be issued if you have any transcript holds for financial delinquency. You may view your unofficial transcript using the AccessPlus system.

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

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

P = Passing (under the Pass-Not Pass system)
NP = Non-passing (under the Pass-Not Pass system)
S = Satisfactory
T = Satisfactory performance (equivalent to a grade of C or better) in a special exam for academic credit
X = Course dropped by the student after the first week of the semester
N = No report submitted by the instructor
I = Incomplete

For more complete information about Iowa State University’s grading system, please refer to the Academic Life section of the Iowa State University Undergraduate and Graduate Courses and Programs 2003-2005 catalog.

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

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

For more information, please refer to the Academic Life section of the Iowa State University Undergraduate and Graduate Courses and Programs 2003-2005 catalog.
Veterans Educational Assistance

All students planning to receive Veterans Educational Assistance must provide enrollment information to the V.A. clerks in the Office of the Registrar, 214 Alumni Hall, 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>1-5.5 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 identified on class lists and are required by the V.A. to attend class regularly to maintain their V.A. eligibility. Instructors are obligated to notify the Office of the Registrar if a student receiving V.A. benefits is not attending class. Notification is then forwarded to the Veterans Administration.

Information Disclosure for Students

Iowa State University is required by law to make available to enrolled students, prospective students, and their parents certain information about the University. The information disclosure is available at the following web address: www.iastate.edu/~disclosure/. Students with no electronic access can obtain the information from the Office of the Registrar, 214 Alumni Hall, 515-294-1840 or from the Office of Admissions, 100 Alumni Hall, 515-294-5836. Iowa State will provide a paper copy of the information upon request.

Policy on Student Names

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

Release of Student Records

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 you request that information not be released: name; in-session address and telephone number; campus e-mail address; interim address; home city, county, state, or country; date and place of birth; curriculum; college; year-in-school; enrollment status; dates of attendance at Iowa State; full or part-time status; expected date of graduation; adviser name; awards and academic honors; Iowa State degree(s) and date(s) awarded; previous educational institutions attended, dates of attendance, and degrees received; participation in officially recognized university activities and sports; and weight and height of members of athletic teams.

To restrict the release of public information, notify the Office of the Registrar, 214 Alumni Hall, and complete the appropriate form no later than the end of the first week of classes.

With the exception of “public information,” all student records are considered to be confidential and release is restricted according to University policy. A copy of the release policy can be found in the Office of the Registrar or at www.iastate.edu/~registrar/info/confid.html. The office also maintains a directory of persons who normally have access to each type of student record.

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 university PIN are required to view personal information through AccessPlus. To change your address on AccessPlus, do the following:

From the WWW, go directly to the URL listed above or do the following from the ISU home page:

1. Go to ISU’s home page at www.iastate.edu
2. Choose Students
3. Choose AccessPlus
4. After logging in using your social security number or university ID and university PIN, 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.

Third Party Access

AccessPlus Third Party Access is an option that allows students to grant access to selected personal information to 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. For more information on creating third party accounts can be found at https://accessplus.iastate.edu/frontdoor/tpa-info.jsp.
Services for Students

Campus Parking
Motor vehicles operated on campus must be registered at the Parking System Office in the Armory. For more information, see www.dps.iastate.edu/parking/web/home.htm.

Students who are not Ames residents may purchase permits to park in lot 29. Students living in Ames or those who commute from outside Ames can utilize the free parking and free shuttle bus at the Iowa State Center. The parking lots, A4 and B6, are just south of Stephens Auditorium.

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. www.hrs.iastate.edu/childcare/homepage.shtml

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; 892 Pammel Court, 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, Palmer HDFS Building, 515-294-3040.

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

Disability Resources
Disability Resources coordinates those support services that students may need in order to reach their fullest academic potential. As part of the Dean of Students Office, the coordinator and the Learning Disability Specialist serve as a resource within the university community concerning students who have a disability. DR provides advocacy, information, support, counseling, education, referral, and awareness to students, faculty, staff, the Ames community, and the state of Iowa. For more information, call (515)294-1020, VTDD (515)294-1021.

Identification Card (ISUCard)
The Iowa State University student identification card (ISUCard) will be made available to you at the time of your first registration. This is a permanent card to be used while attending Iowa State. Loss of your 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.

Activity Cards for Spouses/Domestic Partners and Children
The Spouse Activity card is available at no charge for spouses, domestic partners, and children of students. These cards provide reduced rates at athletic or C.Y. Stephens events but cannot be used for services such as the Lied Recreation Center, CyCash, or Parks Library. To obtain the card, students must bring proof of marriage (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 to 0530 Beardshear. The cost is $10 per card and the cards expire every year on June 30.
The College of Business offers the Master of Business Administration (MBA) in the evenings in Des Moines and on Saturdays in Ames. These two part-time programs provide an ideal opportunity for students to earn the MBA while working at a full-time job.

The Evening MBA and Saturday MBA programs require 48 credit hours of study and can be completed in 31 months. In the Evening MBA program, students attend classes after work twice a week. Saturday classes meet from 8:30 a.m. until 4:30 p.m. Fall and spring semesters are twelve weeks. The summer term is comprised of two, 6-week sessions.

The Evening MBA and Saturday MBA programs are open to all individuals with a bachelor's degree from an accredited college or university. The MBA does not require previous study in business. Students with diverse academic backgrounds and work experiences are encouraged to apply. Both programs admit students for fall semester entry only.

For more information, contact the College of Business, Graduate Programs Office, 218 Carver Hall, Iowa State University, Ames, IA 50011-2063; (515)294-8118 or toll-free (877)ISU-4MBA; e-mail: busgrad@iastate.edu.

Online Schedule of Classes
www.adp.iastate.edu/cgi-bin/class

Schedule of Classes information can be accessed directly at www.adp.iastate.edu/cgi-bin/class above or from the Office of the Registrar’s home page: www.iastate.edu/~registrar/. The online 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.

Search for Evening Classes
Enter “pm” (no periods) in the Section field. All courses meeting at 5:00 p.m. or later will be displayed.

Search for Open Seats
Enter the department in the Course field and “open” in the Section field. (Leave the department field blank to search for all open seats.)

Search for Classes by Number of Credits
Enter the number of credits (e.g., “1.0) in the Title field.

Warning
Sometimes you will receive more information than you need. For example, searching for “Com S” courses will also return “Comst” courses.

Evening MBA and Saturday MBA
www.bus.iastate.edu/grad
# Course Information

## Course Listing Information

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

## Course Numbering System

Courses are numbered from 1 to 699, as follows:

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

## Footnote Symbols

Footnote symbols will appear to the left of the course title when applicable. These symbols are explained at the bottom of the page.

## Course Prerequisites

Course prerequisites, where applicable, are listed in the course listing section of the Schedule of Classes and in the Iowa State University Undergraduate and Graduate Courses and Programs 2003-2005 catalog. A course prerequisite indicates the specific academic background or general academic maturity necessary for the student to be ready to undertake the course. Instructors have the prerogative to direct a student who lacks the stated prerequisite to drop the course. Permission of the instructor is understood to be an alternate to the stated prerequisites in all courses. It is university policy that at the beginning of each course, instructors will inform students who have not met the prerequisite requirements that they must drop the course.

## Meeting Days and Times for Classes

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

### Course Table

<table>
<thead>
<tr>
<th>Course Title</th>
<th>Course Number</th>
<th>Number of Credits</th>
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</thead>
<tbody>
<tr>
<td><strong>First-Yr Compos II</strong></td>
<td>ENGL 105</td>
<td>3 credits</td>
</tr>
<tr>
<td><strong>PREREQ: 104 OR EXEMPTION FROM 104; CREDITS FOR OR CONCURRENT ENROLLMENT IN LIB 160 NOTE: SOME SECTIONS WILL BE TAUGHT IN A COMPUTER LAB</strong></td>
<td>3299830</td>
<td></td>
</tr>
<tr>
<td><strong>NOTE: SEC. HL MEETS IN HELSER HALL COMPUTER ROOM</strong></td>
<td>3299400</td>
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<tr>
<td><strong>HL TR 9:30-10:50</strong></td>
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</tbody>
</table>

Date of the week a course meets:
- **M** - Monday
- **T** - Tuesday
- **W** - Wednesday
- **R** - Thursday
- **F** - Friday
Auditing Courses
To audit a course means to enroll in the course without receiving credit for it. The instructor must approve all audits, and students must register for audits by day 10 of the semester. Students are assessed fees as though they were taking the course for credit, but the course does not count in determining full-time student status. Audits are not recorded on your permanent record except by special request from you and your adviser to your college office and/or dean, with evidence of active involvement in the course.

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. If this occurs after day 5 of the semester, the drop will count toward the total allowable ISU drops.

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

Course Comments (Notes)
Some sections are designated in the Schedule of Classes as “permission required”. You 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 Alumni Hall.

Course Descriptions
Course descriptions can be found in the Iowa State University Undergraduate and Graduate Courses and Programs 2003-2005 catalog. Copies of the catalog may be purchased in campus area bookstores. The information is also available via www.public.iastate.edu/~catalog/.

Experimental Courses
Experimental courses (course numbers ending in “X”) are not included in the Iowa State University Undergraduate and Graduate Courses and Programs 2003-2005 catalog. Course descriptions for experimental courses can be found via the web www.public.iastate.edu/~catalog/exp

Instructor Information
Instructor information, if available, is printed following the meeting time. Instructor assignments are subject to change. Only one instructor name is printed for each section. Instructor information is also available on the Online Schedule of Classes, which is updated periodically.

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

Distance Education Course Information
All distance education course and program information is available via www.lifelearner.iastate.edu/. Information is added and updated frequently on the Web site. If you do not have Internet access or have questions about distance education courses, call Continuing Education and Communication Services at (515)294-6222 or (800)262-0015.

On-Campus Saturday and Evening Courses
Many on-campus evening and Saturday classes are included in the Online Schedule of Classes from www.adp.iastate.edu/cgi-bin/class. These courses are open to all students, especially those who are unable to attend daytime classes. To search for evening classes from the Online Schedule of Classes, enter “pm” (without quotes and no periods) in the Section field. All courses meeting at 5 p.m. or later will be displayed. Remember that additional offerings may be listed so you should check the meeting times carefully. For questions regarding registration and/or fees, call (515)294-1889.

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

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, you 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 Alumni Hall.

Room Assignments
Beginning Monday, December 6, find your room assignments by viewing your schedule on AccessPlus.

Time Conflicts
University policy states that you may not enroll in courses with time conflicts without approval from the involved instructors and/or departments. The web registration system will not prevent you from scheduling time conflicts. It is your responsibility to check your schedule for time conflicts.
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.

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

Late Registration
A late registration fee is charged beginning on the first day of classes. Registration should be completed by the end of the fifth day of classes. To register after the fifth day of classes, you must obtain written permission from the instructors of the courses you plan to take, as well as approval of your college office and/or dean.

Maximum Credits Per Semester
Undergraduate students have a credit limit of 18 and graduate students have a credit limit of 15. The web registration system will not allow you to add credits beyond this limit. There may be cases where your adviser and/or college would approve a higher (or lower) credit limit. Contact your adviser for more information.

Pass-Not Pass
Check with your adviser/major professor to find out which courses you may take Pass-Not Pass. To take a course Pass-Not Pass, add the course through the web registration system on a graded basis. Then to declare the course Pass-Not Pass, obtain the signature of your adviser/major professor in the Pass-Not Pass section of the Schedule Change/Restriction Waiver form and process the form in the Registrar's Student Scheduling Office, 10 Alumni Hall. Check the university calendar for deadlines pertaining to Pass-Not Pass changes. For more information, refer to the Iowa State University Undergraduate and Graduate Courses and Programs 2003-2005 catalog.

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.

Registration Holds
If you have a registration hold, you will not have access to register until the hold has been released by the initiating office.

Validation of Enrollment
To validate your enrollment in each course at the beginning of the semester, you must attend the first or second meeting (first meeting if the class meets only once a week). If you add a course after the term begins, you must attend the next class meeting. The instructor has the option to offer a registered place in the course to another student if you fail to validate your enrollment or obtain prior approval of the instructor. You will not automatically be dropped from the course if you fail to validate your enrollment. You must process the drop yourself or you will receive an F grade.
## Campus Buildings and Abbreviations

<table>
<thead>
<tr>
<th>Abbr.</th>
<th>Building</th>
<th>Abbr.</th>
<th>Building</th>
</tr>
</thead>
<tbody>
<tr>
<td>Agron</td>
<td>Agronomy Hall</td>
<td>Jischke</td>
<td>Martin Jischke Honors Bldg.</td>
</tr>
<tr>
<td>Ames Hi</td>
<td>Ames High School</td>
<td>Kildee</td>
<td>Kildee Hall</td>
</tr>
<tr>
<td>Armory</td>
<td>Armory</td>
<td>KS Com*</td>
<td>Knapp-Storm Commons</td>
</tr>
<tr>
<td>Atanoff</td>
<td>Atanasoff Hall</td>
<td>L A</td>
<td>Landscape Architecture Bldg.</td>
</tr>
<tr>
<td>Bessey</td>
<td>Bessey Hall</td>
<td>L Mech</td>
<td>Laboratory of Mechanics</td>
</tr>
<tr>
<td>Beyer</td>
<td>Beyer Hall</td>
<td>Lagomar</td>
<td>Lagomarcino Hall</td>
</tr>
<tr>
<td>Black</td>
<td>Black Engineering Bldg.</td>
<td>LeBaron</td>
<td>LeBaron Hall</td>
</tr>
<tr>
<td>Brunnier</td>
<td>Brunnier Museum (in Scheman)</td>
<td>Library</td>
<td>Parks Library</td>
</tr>
<tr>
<td>Carver</td>
<td>Carver Hall</td>
<td>MacKay</td>
<td>MacKay Hall</td>
</tr>
<tr>
<td>Com Bldg</td>
<td>Communications Bldg.</td>
<td>MWL Com*</td>
<td>Maple-Willow-Larch Commons</td>
</tr>
<tr>
<td>Coover</td>
<td>Coover Hall</td>
<td>Marston</td>
<td>Marston Hall</td>
</tr>
<tr>
<td>Curtiss</td>
<td>Curtiss Hall</td>
<td>Meats L</td>
<td>Meats Laboratory</td>
</tr>
<tr>
<td>Dairy F</td>
<td>Dairy Farm</td>
<td>Mem Un/MU</td>
<td>Memorial Union</td>
</tr>
<tr>
<td>Davidson Hall</td>
<td>Davidson Hall</td>
<td>Mol-Bio</td>
<td>Molecular Biology Bldg.</td>
</tr>
<tr>
<td>Design</td>
<td>College of Design</td>
<td>Music</td>
<td>Music Hall</td>
</tr>
<tr>
<td>Durham</td>
<td>Durham Center</td>
<td>Palmer</td>
<td>Palmer HDFS Bldg.</td>
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<tr>
<td>E Hall</td>
<td>East Hall</td>
<td>Pearson</td>
<td>Pearson Hall</td>
</tr>
<tr>
<td>Farm Bu</td>
<td>Farm Bureau Livestock Pav.(Kildee)</td>
<td>Physics</td>
<td>Physics Hall</td>
</tr>
<tr>
<td>Food Sc</td>
<td>Food Sciences Building</td>
<td>Phys A</td>
<td>Physics Hall Addition</td>
</tr>
<tr>
<td>Forker</td>
<td>Barbara Forker Building</td>
<td>Roberts*</td>
<td>Roberts Residence Hall</td>
</tr>
<tr>
<td>Friley*</td>
<td>Friley Residence Hall</td>
<td>Ross H</td>
<td>Ross Hall</td>
</tr>
<tr>
<td>Gerdin</td>
<td>Gerdin Business Building</td>
<td>Science</td>
<td>Science Hall I</td>
</tr>
<tr>
<td>Gilman</td>
<td>Gilman Hall</td>
<td>Sci 2</td>
<td>Science Hall II</td>
</tr>
<tr>
<td>Hamilton</td>
<td>Hamilton Hall</td>
<td>Seed</td>
<td>Seed Science Bldg.</td>
</tr>
<tr>
<td>Heady</td>
<td>Heady Hall</td>
<td>Sned H</td>
<td>Snedecor Hall</td>
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<tr>
<td>Hoover</td>
<td>Hoover Hall</td>
<td>St Gym</td>
<td>State Gymnasium</td>
</tr>
<tr>
<td>Hort</td>
<td>Horticulture Hall &amp; Greenhouse</td>
<td>Sweeney</td>
<td>Sweeney Hall</td>
</tr>
<tr>
<td>Howe</td>
<td>Howe Hall</td>
<td>Town</td>
<td>Town Engineering Bldg.</td>
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<tr>
<td>I Ed I</td>
<td>Industrial Education Bldg. I</td>
<td>Vet Med</td>
<td>Veterinary Medicine Bldg.</td>
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<td>I Ed II</td>
<td>Industrial Education Bldg. II</td>
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<tr>
<td>Insect</td>
<td>Insectary and Greenhouse</td>
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*: Residence Hall

### Other Campus Buildings

<table>
<thead>
<tr>
<th>Building</th>
<th>Building</th>
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<tbody>
<tr>
<td>Alum H Alumni Hall</td>
<td>Lied/Rec Lied Recreation Center</td>
</tr>
<tr>
<td>Bdshr Beardshear Hall</td>
<td>Scheman Scheman Center</td>
</tr>
<tr>
<td>Campanile Campanile</td>
<td>Sloss H Sloss House</td>
</tr>
<tr>
<td>Catt Carrie Chapman Catt Hall</td>
<td>Stadium Jack Trice Stadium</td>
</tr>
<tr>
<td>Farm H Farm House Museum</td>
<td>Std H Thielen Student Health Center</td>
</tr>
<tr>
<td>Fisher FisherTheater</td>
<td>Std Ser/SSB Student Services Bldg.</td>
</tr>
<tr>
<td>Hilton Hilton Coliseum</td>
<td>Stephen Stephens Auditorium</td>
</tr>
<tr>
<td>Hub</td>
<td>Wall Rd. Wallace Road Office Bldg.</td>
</tr>
</tbody>
</table>
### Registration Worksheet

**Name (please print):**

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

Please provide your university ID

*If you 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://www.ats.iastate.edu/cgi-bin/class](http://www.ats.iastate.edu/cgi-bin/class) for the list of classes offered for the term. Use the spaces provided below to plan the courses you want on your schedule.

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

**C.** Register via AccessPlus [http://accessplus.iastate.edu/](http://accessplus.iastate.edu/). Follow the instructions and prompts on the screens. *It is your responsibility to check for schedule conflicts.* Attempt to add a course you need even if the section is closed. This action helps the University monitor unmet course demand.

**D. Additional Registration Regulations**

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

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

### Courses—Be prepared with alternative course selections in case your 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>
</tr>
</thead>
<tbody>
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</table>

### Alternative courses

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

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ACCOUNTING

LEGAL ENVIRONMENT BUSINESS ACCOUNTING 215 3 CR.
PREREQ: SOPH CLASSIFICATION
COURSE RESTRICTED TO SOPHS AND ABOVE
5277005 A MWF 9:00-9:50 CURTIS L
5277010 B MWF 11:00-11:50 CURTIS L

FINANCIAL ACCOUNTING 284 3 CR.
COURSE NOT OPEN TO GRADUATE STUDENTS. COURSE RESTRICTED TO SOPHS AND ABOVE.
1110005 A TR 11:00-12:20 MAZZITELLI J
1110010 B TR 9:30-10:50 MAZZITELLI J
1110015 C MWF 1:10-2:00 CLEM A
1110025 E MWF 11:00-11:50 CLEM A

MANAGERIAL ACCOUNTING 285 3 CR.
COURSE NOT OPEN TO GRADUATE STUDENTS. COURSE RESTRICTED TO SOPHS AND ABOVE.
1117005 A1 TR 12:40-2:00 SMITH D
1117010 A2 TR 9:30-10:50 SMITH D
1117015 B1 TR 2:10-3:30 CLEM A
1117020 B2 TR 2:10-3:30 CLEM A
1117025 C1 MW 3:10-4:20 JEFFREY C
1117030 C2 MW 3:10-4:20 JEFFREY C

INTMED ACCOUNTING I 386 3 CR.
PREREQ: 285 OR 508
SECTS A1,B1,C1 RESTRICTED TO ACCT MAJORS ONLY.
SECTS A2,B2,C2 FOR OTHER BUSINESS COLLEGE MAJORS AND AG B. NOT OPEN TO P BUS MAJORS OR GRAD STUDENTS.
PERMISSION OF COLLEGE REQUIRED TO ADD DURING
1ST WEEK; GO TO 1200 GERDIN
1118005 A1 MW 8:00-8:50 SMITH D
1118010 A2 TR 9:30-10:50 SMITH D
1118015 B1 TR 9:30-10:50 SMITH D
1118020 B2 TR 9:30-10:50 SMITH D
1118025 C1 MW 3:10-4:20 JEFFREY C
1118030 C2 MW 3:10-4:20 JEFFREY C

INTMED ACCOUNTING II 387 3 CR.
PREREQ: 386
SECTIONS A1,B1,C1 RESTRICTED TO ACCT MAJORS ONLY.
SECTIONS A2,B2,C2 RESTRICTED TO AG B, BUS S, BUS U, FIN, MGMT, MIS, MKT, TLOG MAJORS ONLY.
PERMISSION OF COLLEGE REQUIRED TO ADD DURING
1ST WEEK; GO TO 1200 GERDIN
1119005 A1 MWF 8:00-8:50 DORAN B
1119010 A2 MWF 8:00-8:50 DORAN B
1119015 B1 MWF 10:00-10:50 DORAN B
1119020 B2 MWF 10:00-10:50 DORAN B
1119025 C1 MW 2:10-3:00 DORAN B
1119030 C2 MW 2:10-3:00 DORAN B

INDEPENDENT STUDY 490 1-3 CR.
PREREQ: 285, SR CLASSIFICATION, INSTR PERMISSION
COURSE RESTRICTED TO ACCT MAJORS ONLY
DEPARTMENT PERMISSION REQUIRED, PROCESS
APPROVED ADD SLIP IN 10 ALUMNI HALL
******* SEE DEPT FOR REFERENCE NUMBERS

ADVANCED PROBLEM 495 3 CR.
PREREQ: 387
PERMISSION OF COLLEGE REQUIRED TO ADD DURING
1ST WEEK; GO TO 1200 GERDIN
7148005 A MWF 10:00-10:50 CLEM A

INTRO TO AUDITING 497 3 CR.
PREREQ: 384, 386 AND STAT 326
COURSE RESTRICTED TO ACCT MAJORS ONLY
PERMISSION OF COLLEGE REQUIRED TO ADD DURING
1ST WEEK; GO TO 1200 GERDIN
1126005 A TR 9:30-10:50 DILLA W
1126010 B TR 11:00-12:20 DILLA W
ACCOUNTING
DATA MGT DECISN MAK  ACCT  533  3 CR.
RESTRCTED TO BUSINESS COLLEGE GRADUATE STUDENTS
7169005  A MW 3:40-5:00

ADV FEDERAL TAXATN  ACCT  586  3 CR.
PREREQ: 485
7001005  A TR 2:10-3:30

SPECIAL TOPICS  ACCT  590  1- 3 CR.
PREREQ: PERMISSION OF INSTRUCTOR
RESTRCTED TO BUSINESS COLLEGE GRADUATE STUDENTS

ADV ACNTNG PROBLS  ACCT  595  3 CR.
PREREQ: 387
1011005  A MWF 10:00-10:50 CLEM A

FIN ACCT:THRY & ISS  ACCT  598  3 CR.
PREREQ: 386 & 383 OR 508
5338005  A W 6:00-9:30PM JEFFREY C
SECT A:JAN 19-APRIL 13

CREATIVE COMPONENT  ACCT  599  2 CR.
PREREQ: ADMISSION TO THE MASTER OF ACCT PROGRAM

ADVERTISING
ADVERTISING PRINCIP  ADVRT  230  3 CR.
PREREQ: SOPHOMORE CLASSIFICATION
4667005  1 TR 8:00-9:20

STRATEG PLAN AD &PR  ADVRT  301  3 CR.
PREREQ: 230 OR JL MC 220; MAJORS AND MINORS MUST ALSO HAVE CR OR CONCURRENT ENROLLMENT IN JL MC 201
SEC 1A, 2A RESTRICTED TO JL MC, ADVRT, P JMC, P ADV. SEC 1B, 2B FOR MAJORS OTHER THAN JL MC, ADVRT, P JMC AND P ADV
4439005 1A TR 9:30-10:50
4439010 1B TR 9:30-10:50
4439015 2A TR 12:40-2:00
4439020 2B TR 12:40-2:00

ADVERTISING CREATIVITY  ADVRT  334  3 CR.
PREREQ: 301
4669005 1A TR 9:30-10:50
4669010 1B TR 9:30-10:50
4669020 2B TR 12:40-2:00

ADVERTISING CAMPAGNS  ADVRT  434  3 CR.
PREREQ: 301 AND 334 OR 335 OR 336
4685005 1 TR 11:00-12:20

ADV AD/PUB REL CAMP  ADVRT  435  1- 3 CR.
PREREQ: PERMISSION OF INSTRUCTOR; JUNIOR/SENIOR STANDING STRONGLY RECOMMENDED
INSTRUCTOR PERMISSION REQUIRED, PROCESS APPROVED ADD SLIP IN 10 ALUMNI HALL
4686005 1 R 4:10-5:00, ARRANGED
4686010 2 R 6:30-7:30PM ARRANGED

AEROSPACE ENGINEERING
AEROSPACE ENG PROBML AER E 160  3 CR.
NIGHT EXAMINATIONS SCHEDULED.
PREREQ: CREDIT OR ENROLLMENT IN MATH 142, 165
6215005 1 MW 10:00-10:50
6215010 2 MW 10:00-10:50

NUM&GRAPH TCHNQ AER  AER E 161  3 CR.
PREREQ: MATH 141 OR 142 OR SATISFACTORY SCORES ON MATH PLACEMENT EXAM; CR OR ENROLLMENT IN MATH 165, PROFICIENCY IN FORTRAN PROGRAMMING LANGUAGES
COURSE RESTRICTED TO AER E MAJORS ONLY
7834005 1 MW 9:00-9:50
7834010 2 MW 9:00-9:50
7834015 3 MW 9:00-9:50
7834020 4 MW 9:00-9:50

AEROSPACE SEMINAR  AER E 192  R CR.
SATISFACTORY-FAIL ONLY.
1085005 T 3:10-4:00

INSTRUMENTATION LAB  AER E 202  1 CR.
PREREQ: MATH 165, CREDIT OR ENROLLMENT IN AER E 161 AND PHYS 221
COURSE RESTRICTED TO AER E MAJORS ONLY
1172005 1 F 9:00-9:50
1172010 2 F 9:00-9:50
1172015 3 F 9:00-9:50
1172020 4 F 9:00-9:50
1172025 5 F 9:00-9:50
1172030 6 F 1:10-3:00
AEROSPACE ENGINEERING

HONR INSTRUMENTN LAB AER E 202H 1 CR.
PREREQ: MATH 165, CREDIT OR ENROLLMENT IN AER E 161 AND PHYS 221, MEMBERSHIP IN UNIVERSITY HONORS PROGRAM
8248005 1 F 9:00-9:50
F 10:00-11:50

AERODYNAMICS I AER E 243 3 CR.
PREREQ: GRADE OF C- OR BETTER IN 261, MATH 265, ENROLLMENT IN 243L
COURSE RESTRICTED TO AER E MAJORS ONLY
1175005 TR 9:30-10:45

AERODYNAMICS LAB I AER E 243L .5 CR.
PREREQ: 202, ENROLLMENT IN AER E 243
COURSE RESTRICTED TO AER E MAJORS ONLY
1177005 T 1:10-3:00
SECT 1:MARCH 7-MAY 6
1177010 2 R 1:10-3:00
SECT 2:MARCH 7-MAY 6
1177015 3 T 3:10-5:00
SECT 3:MARCH 7-MAY 6
1177020 4 R 3:10-5:00
SECT 4:MARCH 7-MAY 6

INTRO AEROSPAC ENGR AER E 261 3 CR.
PREREQ: MATH 166, PHYS 221
COURSE RESTRICTED TO AER E MAJORS ONLY
6021005 MWF 11:00-11:50

INDEPENDENT STUDY AER E 290X 1-3 CR.
PREREQ: APPROVAL OF THE DEPARTMENT
COURSE OFFERED FOR 2 CREDIT SPRING 2005
2652005 TR 4:10-6:00PM

AEROSPACE SEMINAR AER E 292 R CR.
SATISFACTORY-FAIL ONLY.
1115005 M 4:10-5:00

COOPERATIVE EDUC AER E 298 R CR.
SATISFACTORY-FAIL ONLY.
PREREQ: PERMISSION OF DEPARTMENT
PERMISSION OF ADVISER & CAREER SERVICES REQUIRED, COLLEGE WILL REGISTER STUDENT
1159005 ARRANGED

GAS DYNAMICS AER E 311 3 CR.
PREREQ: 243, M E 330, ENROLLMENT IN 311L
COURSE RESTRICTED TO AER E MAJORS ONLY.
CONCURRENT ENROLLMENT IN AER E 311L REQUIRED AVAILABLE FOR NONMAJOR GRADUATE CREDIT.
1179005 MWF 4:10-5:00

GAS DYNAMICS LAB AER E 311L .5 CR.
PREREQ: 243, 243L, ENROLLMENT IN 311
COURSE RESTRICTED TO AER E MAJORS ONLY.
CONCURRENT ENROLLMENT IN AER E 311 REQUIRED
1180005 1 T 8:00-9:50
SECT 1:MARCH 7-MAY 6
1180010 2 T 12:10-2:00
SECT 2:MARCH 7-MAY 6
1180015 3 T 4:10-6:00PM
SECT 3:MARCH 7-MAY 6
1180020 4 R 8:00-9:50
SECT 4:MARCH 7-MAY 6
1180025 5 R 12:10-2:00
SECT 5:MARCH 7-MAY 6

AERODYNAMICS II AER E 343 3 CR.
PREREQ: CR OR ENROLLMT IN 311, ENROLLMENT IN 343L
COURSE RESTRICTED TO AER E JUNIORS & SENIORS
AVAILABLE FOR NONMAJOR GRADUATE CREDIT.
1166005 TR 8:00-9:15

AERODYNAMICS LAB II AER E 343L 1 CR.
PREREQ: ENROLLMENT IN 343
COURSE RESTRICTED TO AER E JUNIORS & SENIORS
1271005 1 T 10:00-10:50
T 11:00-1:00
1271010 2 T 10:00-10:50
T 1:10-3:00
1271015 3 T 10:00-10:50
T 3:10-5:00
1271020 4 T 10:00-10:50
R 10:00-11:50
1271025 5 T 10:00-10:50
R 12:10-2:00

COMP TECHNQ AER DSN AER E 361 3 CR.
PREREQ: 243, MATH 267, E M 324, E M 345
COURSE RESTRICTED TO AER E JUNIORS & SENIORS AVAILABLE FOR NONMAJOR GRADUATE CREDIT.
1170005 1 MW 2:10-3:00
1170010 2 MW 2:10-3:00
1170015 3 MW 2:10-3:00
1170020 4 MW 2:10-3:00
1170025 5 MW 2:10-3:00

AEROSPACE SEMINAR AER E 392 R CR.
SATISFACTORY-FAIL ONLY.
1151005 T 4:10-5:00

ENGRT INTERNSHIP AER E 397 R CR.
SATISFACTORY-FAIL ONLY.
PREREQ: PERMISSION OF DEPARTMENT
PERMISSION OF ADVISER & CAREER SERVICES REQUIRED, COLLEGE WILL REGISTER STUDENT
1171005 ARRANGED

ADV FLIGHT STRUCTRS AER E 421 3 CR.
PREREQ: 321, MATH 266 OR 267
COURSE RESTRICTED TO AER E MAJORS ONLY
AVAILABLE FOR NONMAJOR GRADUATE CREDIT.
1176005 MWF 3:10-4:00

GAS DYNAMICS LAB AER E 311L .5 CR.
1180030 6 R 4:10-6:00PM
SECT 6: MARCH 7-MAY 6

FLIGHT CONTROL SYS I AER E 331 3 CR.
PREREQ: 355
COURSE RESTRICTED TO AER E JUNIORS & SENIORS AVAILABLE FOR NONMAJOR GRADUATE CREDIT.
1235005 MWF 9:00-9:50

GAS DYNAMICS LAB AER E 311L .5 CR.
1180030 6 R 4:10-6:00PM
SECT 6: MARCH 7-MAY 6

AERODYNAMICS II AER E 343 3 CR.
PREREQ: CR OR ENROLLMT IN 311, ENROLLMENT IN 343L
COURSE RESTRICTED TO AER E JUNIORS & SENIORS
AVAILABLE FOR NONMAJOR GRADUATE CREDIT.
1166005 TR 8:00-9:15

AERODYNAMICS LAB II AER E 343L 1 CR.
PREREQ: ENROLLMENT IN 343
COURSE RESTRICTED TO AER E JUNIORS & SENIORS
1271005 1 T 10:00-10:50
T 11:00-1:00
1271010 2 T 10:00-10:50
T 1:10-3:00
1271015 3 T 10:00-10:50
T 3:10-5:00
1271020 4 T 10:00-10:50
R 10:00-11:50
1271025 5 T 10:00-10:50
R 12:10-2:00

COMP TECHNQ AER DSN AER E 361 3 CR.
PREREQ: 243, MATH 267, E M 324, E M 345
COURSE RESTRICTED TO AER E JUNIORS & SENIORS AVAILABLE FOR NONMAJOR GRADUATE CREDIT.
1170005 1 MW 2:10-3:00
1170010 2 MW 2:10-3:00
1170015 3 MW 2:10-3:00
1170020 4 MW 2:10-3:00
1170025 5 MW 2:10-3:00

AEROSPACE SEMINAR AER E 392 R CR.
SATISFACTORY-FAIL ONLY.
1151005 1 T 4:10-5:00

ENGRT INTERNSHIP AER E 397 R CR.
SATISFACTORY-FAIL ONLY.
PREREQ: PERMISSION OF DEPARTMENT
PERMISSION OF ADVISER & CAREER SERVICES REQUIRED, COLLEGE WILL REGISTER STUDENT
9426005 ARRANGED

COOPERATIVE EDUC AER E 398 R CR.
SATISFACTORY-FAIL ONLY.
PREREQ: 298, PERMISSION OF DEPARTMENT
PERMISSION OF ADVISER & CAREER SERVICES REQUIRED, COLLEGE WILL REGISTER STUDENT
1171005 ARRANGED

ADV FLIGHT STRUCTRS AER E 421 3 CR.
PREREQ: 321, MATH 266 OR 267
COURSE RESTRICTED TO AER E MAJORS ONLY
AVAILABLE FOR NONMAJOR GRADUATE CREDIT.
1176005 MWF 3:10-4:00
AEROSPACE ENGINEERING

DESIGN AEROSP STRUCT AER E 426 3 CR.
PREREQ: E M 324
COURSE RESTRICTED TO AER E MAJORS ONLY AVAILABLE FOR NONMAJOR GRADUATE CREDIT.
1157005 TR 12:10-1:00
TR 1:10-2:00

ASTRODYNAMICS II AER E 451 3 CR.
PREREQ: 351
COURSE RESTRICTED TO AER E MAJORS ONLY AVAILABLE FOR NONMAJOR GRADUATE CREDIT.
1184005

MOD DESIGN METHODOL AER E 461 3 CR.
PREREQ: 361, 311, 321, 351, 355
COURSE RESTRICTED TO AER E SENIORS ONLY AVAILABLE FOR NONMAJOR GRADUATE CREDIT.
1186005

DESIGN AEROSP AC SYS AER E 462 3 CR.
PREREQ: 461
COURSE RESTRICTED TO AER E SENIORS ONLY
1187005 1 T 9:00-9:50
T 11:00-2:00
R 9:00-11:50
1187010 2 T 9:00-9:50
T 3:10-6:00PM
R 1:10-4:00

SPACECFT SYST ANALY AER E 464 3 CR.
PREREQ: 351
COURSE RESTRICTED TO AER E MAJORS ONLY AVAILABLE FOR NONMAJOR GRADUATE CREDIT.
1188005

IND STD A/GAS DYNAM AER E 490A 1-6 CR.
PREREQ: JR/SR CLASSIFICATION, DEPARTMENT APPROVAL
1189005 ARRANGED

IND STD PROPULSION AER E 490B 1-6 CR.
PREREQ: JR/SR CLASSIFICATION, DEPARTMENT APPROVAL
1190005 ARRANGED

IND STD AEROS STRUC AER E 490C 1-6 CR.
PREREQ: JR/SR CLASSIFICATION, DEPARTMENT APPROVAL
1191005 ARRANGED

IND STD FLIGHT DYN A AER E 490D 1-6 CR.
PREREQ: JR/SR CLASSIFICATION, DEPARTMENT APPROVAL
1192005 ARRANGED

IND STD SPACECR SYS AER E 490E 1-6 CR.
PREREQ: JR/SR CLASSIFICATION, DEPARTMENT APPROVAL
1193005 ARRANGED

IND ST FLT CONT SYS AER E 490F 1-6 CR.
PREREQ: JR/SR CLASSIFICATION, DEPARTMENT APPROVAL
1194005 ARRANGED

AEROSPACE SEMINAR AER E 491 R CR.
Satisfactory-Fail only.
COURSE RESTRICTED TO AER E MAJOR ONLY.
1198005 R 2:10-3:00

AEROSPACE SEMINAR AER E 492 R CR.
Satisfactory-Fail only.
COURSE RESTRICTED TO AER E MAJORS ONLY.
1199005 TR 3:40-5:00

COOPERATIVE EDUC AER E 498 R CR.
Satisfactory-Fail only.
PREREQ: JR/SR CLASSIFICATION, PERMISSION OF DEPARTMENT PERMISSION OF ADVISER & CAREER SERVICES REQUIRED, COLLEGE WILL REGISTER STUDENT
1200005 ARRANGED

NUMERIC MESH GENRTN AER E 524 3 CR.
PREREQ: MATH 385, PROFICIENCY IN PROGRAMMING
1702005 MWF 4:10-5:00

FINITE ELEMENT ANLY AER E 525 3 CR.
PREREQ: E M 425, MATH 385
7252005 MWF 3:10-4:00

AUTO CNTRL FLT VEH AER E 531 3 CR.
PREREQ: 331
1204005 MWF 9:00-9:50

COMPRES FLUID FLO AER E 532 3 CR.
PREREQ: M E 335 OR AER E 541
6032005 TR 8:00-9:20

VISCOS FLOW AERODY AER E 543 3 CR.
PREREQ: 541
1210005 MWF 3:10-4:00

APPLIED WING THEORY AER E 544 3 CR.
PREREQ: 532
1211005 MWF 11:00-11:50
AEROSPACE ENGINEERING

FLU MECH&HEAT TR II   AER E 547     3 CR.
PREREQ: 546
1213005     MWF 2:10-3:00

WIND ENGINEERING    AER E 570     3 CR.
PREREQ: E M 378, E M 345
7628005     ARRANGED

RANDOM SIGNAL&KALMN  AER E 573     3 CR.
PREREQ: E E 321 OR AER E 331 OR M E 370 OR 411
OR MATH 341 OR 395
8187005     MWF 10:00-10:50

OPTIMAL CONTROL     AER E 574     3 CR.
PREREQ: 577
8188005     MWF 1:10-2:00

MOD CONTRL SYSTM II  AER E 578     3 CR.
PREREQ: 577
8191005     TR 9:30-10:50

SPL TOP AER DYNAMCS  AER E 590A   1- 5 CR.
1219005     ARRANGED

SPL TOP PROPULSION   AER E 590B   1- 5 CR.
1220005     ARRANGED

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

SPL TOP FLIGHT DYN   AER E 590D   1- 5 CR.
1222005     ARRANGED

SPL TOP SPACECR SY   AER E 590E   1- 5 CR.
1223005     ARRANGED

SPL TOP FLIGHT CONT  AER E 590F   1- 5 CR.
1224005     ARRANGED

SPL TOP AEROElastIC AER E 590G   1- 5 CR.
1225005     ARRANGED

SPL TOP VISCOS AER   AER E 590H   1- 5 CR.
1226005     ARRANGED

SPECL TOPICS DESIGN AER E 590I   1- 5 CR.
1227005     ARRANGED

SPL TOP HYPersonICS AER E 590J   1- 5 CR.
1228005     ARRANGED

SPL TOP COMP AERODY  AER E 590K   1- 5 CR.
1229005     ARRANGED

SPCL TOP OPTIMIZATN AER E 590L   1- 5 CR.
2248005     ARRANGED

SPL TOP WIND ENGINR AER E 590N   1- 5 CR.
1452087     SA ARRANGED
              SARKAR P

AEROSPACE ENGINEERING

GRD STDT SEMNAR SER AER E 591X    R CR.
SATISFACTORY-FAIL ONLY.
PREREQ: GRADUATE CLASSIFICATION
7228005     ARRANGED

CREATIVE COMPONENT  AER E 599     1- 5 CR.
1233005     ARRANGED

VISC FLW ASYMP THRY AER E 662     3 CR.
PREREQ: 661, 541
7883005     MWF 11:00-11:50

ADV TOP AER DYNAMCS AER E 690A   1- 5 CR.
1248005     ARRANGED

ADV TOP PROPULSION   AER E 690B   1- 5 CR.
1249005     ARRANGED

ADV TOP AEROS STRUC AER E 690C   1- 5 CR.
1250005     ARRANGED

ADV TOP FLIGHT DYN   AER E 690D   1- 5 CR.
1251005     ARRANGED

ADV TOP SPACECR SYS AER E 690E   1- 5 CR.
1252005     ARRANGED

ADV TOP FLIGHT CTRL AER E 690F   1- 5 CR.
1253005     ARRANGED

ADV TOP AEROElastic AER E 690G   1- 5 CR.
1254005     ARRANGED

ADV TOP VISCOS AER   AER E 690H   1- 5 CR.
1255005     ARRANGED

ADV TOPICS DESIGN   AER E 690I   1- 5 CR.
1256005     ARRANGED

ADV TOP HYPersonICS AER E 690J   1- 5 CR.
1257005     ARRANGED

ADV TOP COMP AERODY  AER E 690K   1- 5 CR.
1258005     ARRANGED

ENGINEERG INTERNSHP AER E 697     R CR.
SATISFACTORY-FAIL ONLY.
PREREQ: PERMISSION OF DOGE, GRADUATE CLASIFICATN
8131005     ARRANGED

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

AFRICAN AMERICAN STUDIES

INTRO AFRIC AMER ST AF AM 201   3 CR.
MEETS U.S. DIVERSITY REQMT.
INSTRUCTOR PERMISSION REQUIRED 1ST WEEK, PROCESS
APPROVED ADD SLIP IN 10 ALUMNI HALL
8310005     A T 3:40-5:00
R 3:40-5:00
8310010     B T 3:40-5:00
R 3:40-5:00
AFRICAN AMERICAN STUDIES

INTRO AFRIC AMER ST  AF AM 201  3 CR.
8310015  C T 3:40-5:00
8310020  D T 3:40-5:00

PEOPLE&CULTR AFRICA  AF AM 325  3 CR.
PREREQ: ANTHR 201 OR 306 RECOMMENDED
MEETS INTERNATIONAL PERSPECTIVES REQMT.
1507005  MW 3:10-4:30  JONES A

ETHNIC&RACE RELATNS  AF AM 330  3 CR.
PREREQ: SOC 130 OR 134
SECTIONS A1,B1 RESTRICTED TO SOC, P S A MAJORS.
SECTIONS A2,B2 FOR MAJORS OTHER THAN SOC, P S A
MEETS U.S. DIVERSITY REQMT.
8638005  A1 MWF 1:10-2:00
8638010  A2 MWF 1:10-2:00
8638015  B1 TR 12:40-2:00
8638020  B2 TR 12:40-2:00

CONTEMP AFRI AM LIT  AF AM 348  3 CR.
PREREQ: ENGL 105
MEETS U.S. DIVERSITY REQMT.
AVAILABLE FOR NONMAJOR GRADUATE CREDIT.
8632005  A1 TR 12:40-2:00
SEC A1 RESTRICTED TO ENGL, TCOMM MAJORS
ONLY
8632010  A2 TR 12:40-2:00
SECTION A2 RESTRICTED TO MAJORS OTHER
THAN
ENGL, TCOMM

AFRICAN AMERI WOMEN  AF AM 350  3 CR.
MEETS U.S. DIVERSITY REQMT.
AVAILABLE FOR NONMAJOR GRADUATE CREDIT.
INSTRUCTOR PERMISSION REQUIRED 1ST WEEK, PROCESS
APPROVED ADD SLIP IN 10 ALUMNI HALL
2570005  TR 12:40-2:00

HIST AFRICN AMER II  AF AM 354  3 CR.
PREREQ: SOPHOMORE CLASSIFICATION
COURSE IS RESTRICTED TO SOPH AND ABOVE.
MEETS U.S. DIVERSITY REQMT.
8744005  TR 9:30-10:50

SEM AFRIC AMER CULT  AF AM 460  3 CR.
MEETS U.S. DIVERSITY REQMT.
AVAILABLE FOR NONMAJOR GRADUATE CREDIT.
6688005  ARRANGED
INSTRUCTOR PERMISSION REQUIRED, PROCESS
APPROVED ADD SLIP IN 10 ALUMNI HALL

INDEPENDENT STUDY  AF AM 490  1- 3 CR.
PREREQ: 6 CR IN AF AM, PERMISSION OF INSTRUCTOR
AND OF THE CHAIR OF THE AF AM STUDIES PROGRAM
INSTRUCTOR PERMISSION REQUIRED, PROCESS
APPROVED ADD SLIP IN 10 ALUMNI HALL
8357005  ARRANGED

EDUC BLACKS IN U.S.  AF AM 578X  3 CR.
PREREQ: PERMISSION OF INSTRUCTOR
7785005  W 1:10-4:00

AGRICULTURAL EDUCATION & STUDIES

AG BIOTECHN COLLOQ  AGEDS 112  1 CR.
PREREQ: ENROLLMENT AS AN AG EXCELLENCE SCHOLAR
1303005  T 1:10-2:00

FIELD EXP HIGH SCHL  AGEDS 211A  1 CR.
PREREQ: 110
7586005  1 ARRANGED

FIELD EXP EXTENSION  AGEDS 211B  1 CR.
PREREQ: 110
7594005  1 ARRANGED

FIELD EXP AG INDUST  AGEDS 211C  1 CR.
PREREQ: 110
7603005  1 ARRANGED

CAREER SEMINAR  AGEDS 215  1 CR.
PREREQ: SOPHOMORE CLASSIFICATION
1385005  1 TR 11:00-11:50
SECT 1:JAN 10-MARCH 4
1385010  2 TR 11:00-11:50
SECT 2:MARCH 7-MAY 6

EDU YOUTH THRU HORT  AGEDS 282  3 CR.
FIELD TRIPS & TRAVEL FEE $15.00
7423005  MW 1:10-2:00  HAYNES C
M 2:10-5:00

SPECIAL PROBLEMS  AGEDS 290  1- 3 CR.
INSTRUCTOR PERMISSION REQUIRED 1ST WEEK, PROCESS
APPROVED ADD SLIP IN 10 ALUMNI HALL
1270005  ARRANGED

FOUND AG ED PROGRMS  AGEDS 310  2 CR.
8790005  TR 9:30-10:20

PRESENTN STRATEGIES  AGEDS 311  3 CR.
1272005  1 MWF 11:00-11:50
1272010  2 MWF 9:00-9:50
1272015  3 TR 9:30-10:50

LEADERSHIP IN AGRIC  AGEDS 315  3 CR.
1273005  1 MWF 10:00-10:50
1273010  2 MWF 8:00-8:50

TEACHING AG SCI/BUS  AGEDS 402  3 CR.
PREREQ: 401
1276005  MW 9:00-11:50
TR 9:30-12:30
JAN 10-FEB 4

INTERNSHIP IN AGEDS  AGEDS 412  2- 6 CR.
PREREQ: 211, JR CLASSIF IN AGEDS, INSTR PERMISSN
AVAILABLE FOR NONMAJOR GRADUATE CREDIT.
*******  SEE DEPT FOR REFERENCE NUMBERS

NONFORMAL AG ED PRG  AGEDS 414  2 CR.
PREREQ: 211 AND PERMISSION OF INSTRUCTOR
AVAILABLE FOR NONMAJOR GRADUATE CREDIT.
INSTRUCTOR PERMISSION REQUIRED, PROCESS
APPROVED ADD SLIP IN 10 ALUMNI HALL
1278005  1 TR 1:10-2:00
AGRICULTURAL EDUCATION & STUDIES

PRE-STDT TCHG EXPER AGEDS 416 1 CR.
PREREQ: 211, 402 AND ADMISSION TO TEACHER EDUC PROGRAM. CONCURRENT ENROLLMENT IN 417 IS REQUIRED. AVAILABLE FOR NONMAJOR GRADUATE CREDIT.
1886005 1 ARRANGED

SUPR TCHNG AG PROGS AGEDS 417 12 CR.
PREREQ: 211, 402 & ADMISSION TO TEACHER EDUC PROGRAM. PROFESSIONAL SUPPORT FEE $150.00 AVAILABLE FOR NONMAJOR GRADUATE CREDIT.
1281005 1 ARRANGED

SUPRV EXTENSN EXPER AGEDS 418 2- 8 CR.
PREREQ: 211, JR CLASSIFICTN, INSTRUCTOR PERMISSN AVAILABLE FOR NONMAJOR GRADUATE CREDIT.
1282005 1 ARRANGED

FARM MGMT&OPERATION AGEDS 450 3 CR.
PREREQ: ECON 135, 330, JUNIOR CLASSIFICATION AVAILABLE FOR NONMAJOR GRADUATE CREDIT.
1386005 1 T 1:10-2:00 TR 2:10-5:00

IND STD PHIL, CURRIC AGEDS 490A 1- 3 CR.
PREREQ: JR/SR CLASSIFICATION, INSTR PERMISSN A MAXIMUM OF 6 CREDITS OF AGEDS 490 MAY BE APPLIED TOWARD THE TOTAL OF 128 CREDITS REQUIRED FOR GRADUATION. PERMISSION OF INSTRUCTOR REQUIRED TO ADD.
PROCESS APPROVED ADD SLIP IN 10 ALUMNI HALL.
******* SEE DEPT FOR REFERENCE NUMBERS

IND STD LDRSHP, EVAL AGEDS 490B 1- 3 CR.
PREREQ: JR/SR CLASSIFICATION, INSTR PERMISSN A MAXIMUM OF 6 CREDITS OF AGEDS 490 MAY BE APPLIED TOWARD THE TOTAL OF 128 CREDITS REQUIRED FOR GRADUATION. PERMISSION OF INSTRUCTOR REQUIRED TO ADD.
PROCESS APPROVED ADD SLIP IN 10 ALUMNI HALL.
******* SEE DEPT FOR REFERENCE NUMBERS

IND STD BUS, PROD AG AGEDS 490C 1- 3 CR.
PREREQ: JR/SR CLASSIFICATION, INSTR PERMISSN A MAXIMUM OF 6 CREDITS OF AGEDS 490 MAY BE APPLIED TOWARD THE TOTAL OF 128 CREDITS REQUIRED FOR GRADUATION. PERMISSION OF INSTRUCTOR REQUIRED TO ADD.
PROCESS APPROVED ADD SLIP IN 10 ALUMNI HALL.
******* SEE DEPT FOR REFERENCE NUMBERS

IND STD EXTN, INT'L AGEDS 490D 1- 3 CR.
PREREQ: JR/SR CLASSIFICATION, INSTR PERMISSN A MAXIMUM OF 6 CREDITS OF AGEDS 490 MAY BE APPLIED TOWARD THE TOTAL OF 128 CREDITS REQUIRED FOR GRADUATION. PERMISSION OF INSTRUCTOR REQUIRED TO ADD.
PROCESS APPROVED ADD SLIP IN 10 ALUMNI HALL.
******* SEE DEPT FOR REFERENCE NUMBERS

IND STD INSTR TCHNL AGEDS 490E 1- 3 CR.
PREREQ: JR/SR CLASSIFICATION, INSTR PERMISSN A MAXIMUM OF 6 CREDITS OF AGEDS 490 MAY BE APPLIED TOWARD THE TOTAL OF 128 CREDITS REQUIRED FOR GRADUATION. PERMISSION OF INSTRUCTOR REQUIRED TO ADD.
PROCESS APPROVED ADD SLIP IN 10 ALUMNI HALL.
******* SEE DEPT FOR REFERENCE NUMBERS

IND STD ENVIR ISSU AGEDS 490F 1- 3 CR.
PREREQ: JR/SR CLASSIFICATION, INSTR PERMISSN A MAXIMUM OF 6 CREDITS OF AGEDS 490 MAY BE APPLIED TOWARD THE TOTAL OF 128 CREDITS REQUIRED FOR GRADUATION. PERMISSION OF INSTRUCTOR REQUIRED TO ADD.
PROCESS APPROVED ADD SLIP IN 10 ALUMNI HALL.
******* SEE DEPT FOR REFERENCE NUMBERS

MTH TCHG AG SCI/BUS AGEDS 502 3 CR.
PREREQ: 401
7851005 MWF 9:00-11:50 TR 9:00-11:50 JAN 10-FEB 4

ORGNIZ INFO FOR MTG AGEDS 514 2 CR.
PREREQ: GRADUATE CLASSIFICATION IN AGRICULTURE
1298005 F 1:10-4:00

ORGNIZ INFO FOR MTG AGEDS 514 2 CR.
PREREQ: GRADUATE CLASSIFICATION IN AGRICULTURE
1298005 F 1:10-4:00

SPC PL TOP CURRICULUM AGEDS 590A 1- 3 CR.
PREREQ: 12 CREDITS IN AGRICULTURAL EDUCATION INSTRUCTOR PERMISSION REQUIRED, PROCESS APPROVED ADD SLIP IN 10 ALUMNI HALL.
******* SEE DEPT FOR REFERENCE NUMBERS
AGRICULTURAL EDUCATION & STUDIES

SPCL TOPICS METHODS AGEDS 590B 1-3 CR.
PREREQ: 12 CREDITS IN AGRICULTURAL EDUCATION
INSTRUCTOR PERMISSION REQUIRED, PROCESS
APPROVED ADD SLIP IN 10 ALUMNI HALL
******* SEE DEPT FOR REFERENCE NUMBERS

SPCL TOP PHILOSOPHY AGEDS 590C 1-3 CR.
PREREQ: 12 CREDITS IN AGRICULTURAL EDUCATION
INSTRUCTOR PERMISSION REQUIRED, PROCESS
APPROVED ADD SLIP IN 10 ALUMNI HALL
******* SEE DEPT FOR REFERENCE NUMBERS

SPCL TOP EVALUATION AGEDS 590D 1-3 CR.
PREREQ: 12 CREDITS IN AGRICULTURAL EDUCATION
INSTRUCTOR PERMISSION REQUIRED, PROCESS
APPROVED ADD SLIP IN 10 ALUMNI HALL
******* SEE DEPT FOR REFERENCE NUMBERS

SPL TOPICS ADMINIST AGEDS 590E 1-3 CR.
PREREQ: 12 CREDITS IN AGRICULTURAL EDUCATION
INSTRUCTOR PERMISSION REQUIRED, PROCESS
APPROVED ADD SLIP IN 10 ALUMNI HALL
******* SEE DEPT FOR REFERENCE NUMBERS

SPCL TOP LEADERSHIP AGEDS 590F 1-3 CR.
PREREQ: 12 CREDITS IN AGRICULTURAL EDUCATION
INSTRUCTOR PERMISSION REQUIRED, PROCESS
APPROVED ADD SLIP IN 10 ALUMNI HALL
******* SEE DEPT FOR REFERENCE NUMBERS

SPL TOPICS GUIDANCE AGEDS 590G 1-3 CR.
PREREQ: 12 CREDITS IN AGRICULTURAL EDUCATION
INSTRUCTOR PERMISSION REQUIRED, PROCESS
APPROVED ADD SLIP IN 10 ALUMNI HALL
******* SEE DEPT FOR REFERENCE NUMBERS

SPL TOP INSTR TCHNL AGEDS 590I 1-3 CR.
PREREQ: 12 CREDITS IN AGRICULTURAL EDUCATION
INSTRUCTOR PERMISSION REQUIRED, PROCESS
APPROVED ADD SLIP IN 10 ALUMNI HALL
******* SEE DEPT FOR REFERENCE NUMBERS

SPL TOPIC EXTENSION AGEDS 590J 1-3 CR.
PREREQ: 12 CREDITS IN AGRICULTURAL EDUCATION
INSTRUCTOR PERMISSION REQUIRED, PROCESS
APPROVED ADD SLIP IN 10 ALUMNI HALL
******* SEE DEPT FOR REFERENCE NUMBERS

SPL TOP INTRNATL AG AGEDS 590K 1-3 CR.
PREREQ: 12 CREDITS IN AGRICULTURAL EDUCATION
INSTRUCTOR PERMISSION REQUIRED, PROCESS
APPROVED ADD SLIP IN 10 ALUMNI HALL
******* SEE DEPT FOR REFERENCE NUMBERS

SPL TOP PROGRAM PLAN AGEDS 590L 1-3 CR.
PREREQ: 12 CREDITS IN AGRICULTURAL EDUCATION
INSTRUCTOR PERMISSION REQUIRED, PROCESS
APPROVED ADD SLIP IN 10 ALUMNI HALL
******* SEE DEPT FOR REFERENCE NUMBERS

AGRICULTURAL EDUCATION & STUDIES

WORKSHOP CURRICULUM AGEDS 593A 1-3 CR.
PREREQ: 12 CREDITS IN AGRICULTURAL EDUCATION
FIELD TRIPS & TRAVEL FEE $25.00
1317005 ARRANGED

METHODS WORKSHOP AGEDS 593B 1-3 CR.
PREREQ: 12 CREDITS IN AGRICULTURAL EDUCATION
FIELD TRIPS & TRAVEL FEE $25.00
1318005 ARRANGED

WORKSHOP EVALUATION AGEDS 593C 1-3 CR.
PREREQ: 12 CREDITS IN AGRICULTURAL EDUCATION
FIELD TRIPS & TRAVEL FEE $25.00
1319005 ARRANGED

ADMINISTRATN WORKSHOP AGEDS 593D 1-3 CR.
PREREQ: 12 CREDITS IN AGRICULTURAL EDUCATION
FIELD TRIPS & TRAVEL FEE $25.00
1320005 ARRANGED

WORKSHOP LEADERSHIP AGEDS 593E 1-3 CR.
PREREQ: 12 CREDITS IN AGRICULTURAL EDUCATION
FIELD TRIPS & TRAVEL FEE $25.00
1321005 ARRANGED

WORKSHOP EXTENSION AGEDS 593F 1-3 CR.
PREREQ: 12 CREDITS IN AGRICULTURAL EDUCATION
FIELD TRIPS & TRAVEL FEE $25.00
1322005 ARRANGED

WKSHP PROGRAM PLAN AGEDS 593G 1-3 CR.
PREREQ: 12 CREDITS IN AGRICULTURAL EDUCATION
FIELD TRIPS & TRAVEL FEE $25.00
1323005 ARRANGED

WKSHP INSTR TECHNOL AGEDS 593H 1-3 CR.
PREREQ: 12 CREDITS IN AGRICULTURAL EDUCATION
FIELD TRIPS & TRAVEL FEE $25.00
1890005 ARRANGED

WKSHP BIOTECHNOLOGY AGEDS 593M 1-3 CR.
PREREQ: 12 CREDITS IN AGRICULTURAL EDUCATION
FIELD TRIPS & TRAVEL FEE $25.00
6536005 ARRANGED

SEMINAR IN AG ED AGEDS 615 1 CR.
SATISFACTORY-FAIL ONLY.
1327005 W 8:00-9:50
SECT 1: MARCH 7-MAY 6
1327010 M 11:00-12:40
SECT 2: JAN 10-MARCH 4

PRO INTERNSHP AG ED AGEDS 617 1-6 CR.
SATISFACTORY-FAIL ONLY.
PREREQ: PERMISSION OF INSTRUCTOR
******* SEE DEPT FOR REFERENCE NUMBERS

RESEARCH PROCEDURES AGEDS 620 3 CR.
PREREQ: 510 AND A COURSE IN STATISTICS
1329005 W 2:10-5:00 MILLER G
AGRICULTURAL EDUCATION & STUDIES

ADMIN & SUPRVS AG ED AGEDS 625 3 CR.
PREREQ: 521
FRIDAY 1:10-5:00

PARTIC EVAL AG & EXTE AGEDS 660 3 CR.
PREREQ: GRAD COURSE IN QUALITATIVE RESEARCH
METHODS OR EVALUATION OR PERMISSION OF INSTRUCTOR
GRUDENS-SCHUCK N

RESEARCH AGEDS 699 VAR. CR.
INSTRUCTOR PERMISSION REQUIRED 1ST WEEK, PROCESS
APPROVED ADD SLIP IN 10 ALUMNI HALL

AGRICULTURAL ENGINEERING

EXPERNC AG & BIO ENGR A E 110 1 CR.
FIELD TRIPS & TRAVEL FEE $15.00
1001005 A T 10:00-11:50
1001010 B T 10:00-11:50

FND AG & BIOSYS ENGR A E 216 3 CR.
PREREQ: 110, ENGR 160, CR OR ENROLLMT IN MATH 166
FIELD TRIPS & TRAVEL FEE $5.00
1096005 A TR 12:10-1:00
T 1:10-3:00
1096010 B TR 12:10-1:00
R 1:10-3:00

PARAM SLD MODEL ENG A E 271 1 CR.
PREREQ: ENGR 170 OR AST 215 OR EQUIVALENT
RESTRICTED TO STUDENTS IN COLLEGE OF ENGINEERING
9153005 M 9:00-9:50
F 9:00-10:50
JAN 10-MARCH 4

PRO/ENG MOD & ASSEMBLY A E 272 1 CR.
PREREQ: ENGR 170 OR AST 215 OR EQUIVALENT
2650005 M 9:00-9:50
F 9:00-10:50
MARCH 7-MAY 6

COOPERATIVE EDUC A E 298 R CR.
PREREQ: PERMISSION OF DEPT COOP COORDINATOR
PERMISSION OF ADVISER & CAREER SERVICES REQUIRED,
COLLEGE WILL REGISTER STUDENT
1005005 ARRANGED

AGR TRACTOR POWER A E 342 3 CR.
PREREQ: M E 330
MATERIALS AND FIELD TRIPS & TRAVEL FEE $10.00
AVAILABLE FOR NONMAJOR GRADUATE CREDIT.
1008005 A MW 11:00-11:50
M 12:10-3:00
SEC A RESTRICTED TO A E MAJORS ONLY.
1008010 B MW 11:00-11:50
M 3:10-6:00 PM

ENGR INTERNSHIP A E 397 R CR.
PREREQ: PERMISSION OF DEPARTMENT INTERNSHIP
COORDINATOR
PERMISSION OF ADVISER & CAREER SERVICES REQUIRED,
COLLEGE WILL REGISTER STUDENT
8900005 ARRANGED

AGRICULTURAL ENGINEERING

COOPERATIVE EDUC A E 398 R CR.
PREREQ: 298, PERMISSION OF DEPT COOP COORDINATOR
PERMISSION OF ADVISER & CAREER SERVICES REQUIRED,
COLLEGE WILL REGISTER STUDENT
1012005 ARRANGED

SYS MODEL & CONTROLS A E 403 3 CR.
PREREQ: 363 OR E E 441, MATH 267
AVAILABLE FOR NONMAJOR GRADUATE CREDIT.
1528005 M 9:00-9:50

AGRIC ENGR DESIGN I A E 415 2 CR.
PREREQ: 271 OR 272, E M 324
AVAILABLE FOR NONMAJOR GRADUATE CREDIT.
8253005 W 4:10-5:00, ARRANGED

AGRIC ENGR DESIGN II A E 416 2 CR.
PREREQ: 415
AVAILABLE FOR NONMAJOR GRADUATE CREDIT.
7302005 M 4:10-5:00, ARRANGED

GRAIN PROCESS & HANDLING A E 469 3 CR.
PREREQ: 216
FIELD TRIPS & TRAVEL FEE $18.00
1371005 MW 10:00-10:50
R 3:10-6:00 PM

ENVIR MODIF SYS BIO A E 472 4 CR.
PREREQ: 216, M E 330

DESIGN AG STRUCTURES A E 478 4 CR.
PREREQ: 216, 271 OR 272, E M 324
8230005 M 8:00-9:50

QUANTITATIVE BIO PROC A E 480 3 CR.
PREREQ: 216, MATH 266; BIOL 109 OR 201 OR 202;
M E 330
MATERIALS FEE $15.00
5599005 MW 1:10-2:00
F 1:10-3:00

IND STD BIOSYS ENGR A E 490B 1-4 CR.
****** SEE DEPT FOR REFERENCE NUMBERS

IND STD CPTR-A DSGN A E 490C 1-4 CR.
****** SEE DEPT FOR REFERENCE NUMBERS

IND STD ENVIR SYSTS A E 490E 1-4 CR.
****** SEE DEPT FOR REFERENCE NUMBERS

IND STD FOOD ENGR A E 490F 1-4 CR.
****** SEE DEPT FOR REFERENCE NUMBERS

INDEPENDENT STUDY HONORS A E 490H 1-4 CR.
PREREQ: MEMBERSHIP IN UNIV HONORS PROGRAM
****** SEE DEPT FOR REFERENCE NUMBERS

IND STDY POWER & MACH A E 490P 1-4 CR.
****** SEE DEPT FOR REFERENCE NUMBERS
AGRICULTURAL ENGINEERING

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

IND STDY PROCES ENG A E 490R 1-4 CR.
******* SEE DEPT FOR REFERENCE NUMBERS

IND STDY ENVIR&N RES A E 490S 1-4 CR.
******* SEE DEPT FOR REFERENCE NUMBERS

IND STUDY WASTE MGT A E 490U 1-4 CR.
******* SEE DEPT FOR REFERENCE NUMBERS

COOPERATIVE EDUCATN A E 498 R CR.
PREREQ: 398, PERMISSION OF THE DEPARTMENT
PERMISSION OF THE COLLEGE IS REQUIRED TO ADD,
PROCESS APPROVED ADD SLIP IN 10 ALUMNI HALL.
PERMISSION OF ADVISER & CAREER SERVICES REQUIRED,
COLLEGE WILL REGISTER STUDENT
1030005 ARRANGED

MODEL&CONTROLS SYS A E 503 3 CR.
PREREQ: 363 OR E E 441, MATH 267
1012005 MWF 9:00-9:50

GRAIN PROCESS&HANDLNG A E 569 3 CR.
PREREQ: 216
FIELD TRIPS & TRAVEL FEE $18.00
1035005 MW 10:00-10:50
R 3:10-6:00PM

ENVIR MODIF SYS BIO A E 572 4 CR.
PREREQ: 216, M E 330
1036005 TR 9:00-10:50

DESIGN AG STRUCTRES A E 578 4 CR.
8240005 MW 8:00-9:50

QUANTIFCTN BIO PROC A E 580 3 CR.
PREREQ: MATH 226; BIOL 109 OR 201; M E 330
MATERIALS FEE $15.00
T287005 MW 1:10-2:00
F 1:10-3:00

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

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

SP TOP POWER & MACH A E 590P 1-3 CR.
******* SEE DEPT FOR REFERENCE NUMBERS

SP TOP STRUC&ENVIRN A E 590Q 1-3 CR.
******* SEE DEPT FOR REFERENCE NUMBERS

SP TOP PROCESS ENGR A E 590R 1-3 CR.
******* SEE DEPT FOR REFERENCE NUMBERS

SPL TOP WATER&ENVIR A E 590S 1-3 CR.
******* SEE DEPT FOR REFERENCE NUMBERS

AGRICULTURAL SYSTEMS TECHNOLOGY

FURTHR EXPERIENC AST AST 103X R CR.
SATISFACTORY-FAIL ONLY.
8507005 A M 10:00-12:00
ARRANGED
8507010 B W 10:00-12:00
ARRANGED
AGRICULTURAL SYSTEMS TECHNOLOGY

SOLV TECHNOL PROBLM   AST 115  3 CR.
PREREQ: CR OR CONCURRENT ENROLLMENT IN MATH 140
1158005  A M 10:00-11:50
        W 10:00-11:50
1358010  B M 12:10-2:00
        W 12:10-2:00
1358015  C T 9:30-10:50
        R 9:30-10:50

INTR RENEW RESOURCS AST 120  3 CR.
2790005  MWF 12:10-1:00

CPTR-AID GRAPHC APP AST 215  2 CR.
PREREQ: 115
1366005  A M 8:00-8:50
        W 8:00-9:50
1366010  B T 8:00-9:20
        R 8:00-9:20

AST WORK EXPERIENCE AST 297  2 CR.
PREREQ: AST MAJOR, INSTRUCTOR APPROVAL PRIOR TO COMMENCING WORK EXPERIENCE
A MAXIMUM OF 4 CREDITS OF AST 297 MAY BE APPLIED TOWARD THE TOTAL OF 128 CREDITS REQUIRED FOR GRADUATION
******* SEE DEPT FOR REFERENCE NUMBERS

COOPERATIVE EDUC AST 298  2 CR.
PREREQ: SOPHOMORE CLASSIFICATION IN AST, APPROVAL OF COOPERATIVE COORDINATOR. MUST REGISTER PRIOR TO COMMENCING EACH WORK PERIOD.
******* SEE DEPT FOR REFERENCE NUMBERS

SOIL &WTR CONSERVTN AST 324  2 CR.
PREREQ: MATH 140
1345005  A TR 11:00-11:50

AG MACHNRY &PWR MGT AST 330  3 CR.
PREREQ: 210, MATH 142
COURSE RESTRICTED TO AST MAJORS, MINORS MAY REQUEST A SIGNATURE TO ADD MATERIALS AND FIELD TRIPS & TRAVEL FEE $5.00
1347005  A MW 10:00-10:50
        W 3:10-6:00PM
1347010  B MW 10:00-10:50
        R 3:10-6:00PM

FLUID POWER SYST AG AST 337  2 CR.
PREREQ: 210, 335
MATERIALS AND FIELD TRIPS & TRAVEL FEE $10.00
3335005  A T 3:10-4:00
        R 3:10-4:00
3335010  B T 3:10-4:00
        R 3:10-5:00

PRESERV GRAIN QLTY AST 362  3 CR.
PREREQ: MATH 140
FIELD TRIPS & TRAVEL FEE $10.00
1352005  A TR 11:00-11:50
        T 3:10-6:00PM
1352010  B TR 11:00-11:50
        W 12:10-3:00
1352015  C TR 11:00-11:50
        W 3:10-6:00PM

AGRICULTURAL SYSTEMS TECHNOLOGY

RELIGN&AG SUSTAINBL AST 372X  3 CR.
COURSE IS RESTRICTED TO FRESHMAN & SOPHOMORES AVAILABLE FOR NONMAJOR GRADUATE CREDIT.
7480005  TR 2:10-3:30

AST INTERNSHIP AST 397  2 CR.
PREREQ: SOPH IN AST, INTERN COORDINATOR APPROVAL
******* SEE DEPT FOR REFERENCE NUMBERS

COOPERATIVE EDUC AST 398  2 CR.
PREREQ: JR CLASSIF IN AST, APPROVAL OF COOP COORD REGISTER PRIOR TO COMMENCING EACH WORK PERIOD
******* SEE DEPT FOR REFERENCE NUMBERS

AGRI ELECTRONICS AST 460  2 CR.
PREREQ: 360
MATERIALS FEE $5.00
AVAILABLE FOR NONMAJOR GRADUATE CREDIT.
1707005  T 11:00-11:50
        R 1:10-3:00

PLAN FARMSTEAD SYST AST 476  3 CR.
PREREQ: 373
AVAILABLE FOR NONMAJOR GRADUATE CREDIT.
1365005  T 2:10-3:30
        R 2:10-3:30

IND STDY ENVIR/AIR AST 490A  1-3 CR.
PREREQ: JUNIOR OR SENIOR CLASSIFICATION, PERMISSION OF INSTRUCTOR
A MAXIMUM OF 4 CREDITS OF AST 490 MAY BE USED TOWARD THE TOTAL OF 128 CREDITS REQUIRED FOR GRADUATION
DEPARTMENT PERMISSON REQUIRED, PROCESS APPROVED ADD SLIP IN 10 ALUMNI HALL
******* SEE DEPT FOR REFERENCE NUMBERS

IND STDY CMPTR OPER AST 490C  1-3 CR.
PREREQ: JUNIOR OR SENIOR CLASSIFICATION, PERMISSION OF INSTRUCTOR
A MAXIMUM OF 4 CREDITS OF AST 490 MAY BE USED TOWARD THE TOTAL OF 128 CREDITS REQUIRED FOR GRADUATION
DEPARTMENT PERMISSON REQUIRED, PROCESS APPROVED ADD SLIP IN 10 ALUMNI HALL
******* SEE DEPT FOR REFERENCE NUMBERS

IND STDY ELECTRICAL AST 490E  1-3 CR.
PREREQ: JUNIOR OR SENIOR CLASSIFICATION, PERMISSION OF INSTRUCTOR
A MAXIMUM OF 4 CREDITS OF AST 490 MAY BE USED TOWARD THE TOTAL OF 128 CREDITS REQUIRED FOR GRADUATION
DEPARTMENT PERMISSON REQUIRED, PROCESS APPROVED ADD SLIP IN 10 ALUMNI HALL
******* SEE DEPT FOR REFERENCE NUMBERS

IND STDY GRAIN OPER AST 490G  1-3 CR.
PREREQ: JUNIOR OR SENIOR CLASSIFICATION, PERMISSION OF INSTRUCTOR
A MAXIMUM OF 4 CREDITS OF AST 490 MAY BE USED TOWARD THE TOTAL OF 128 CREDITS REQUIRED FOR GRADUATION
DEPARTMENT PERMISSON REQUIRED, PROCESS APPROVED ADD SLIP IN 10 ALUMNI HALL
******* SEE DEPT FOR REFERENCE NUMBERS
# AGRICULTURAL SYSTEMS TECHNOLOGY

## INDEP STUDY HONORS
- **AST 490H** 1-3 CR.
  - **Prerequisites:** Junior or Senior Classification, Permission of Instructor, Membership in University Honors Program
  - A maximum of 4 credits of AST 490 may be used toward the total of 128 credits required for graduation
  - Department permission required, process approved add slip in 10 Alumni Hall
  - See dept for reference numbers

## INDEP STUDY SAFETY & HUM
- **AST 490I** 1-3 CR.
  - **Prerequisites:** Junior or Senior Classification, Permission of Instructor
  - A maximum of 4 credits of AST 490 may be used toward the total of 128 credits required for graduation
  - Department permission required, process approved add slip in 10 Alumni Hall
  - See dept for reference numbers

## INDEP STUDY BIOPROCESS
- **AST 490K** 1-3 CR.
  - **Prerequisites:** Junior or Senior Classification, Permission of Instructor
  - A maximum of 4 credits of AST 490 may be used toward the total of 128 credits required for graduation
  - Department permission required, process approved add slip in 10 Alumni Hall
  - See dept for reference numbers

## INDEP STUDY LVSTK PROD
- **AST 490L** 1-3 CR.
  - **Prerequisites:** Junior or Senior Classification, Permission of Instructor
  - A maximum of 4 credits of AST 490 may be used toward the total of 128 credits required for graduation
  - Department permission required, process approved add slip in 10 Alumni Hall
  - See dept for reference numbers

## INDEP STUDY MACHIN SYS
- **AST 490M** 1-3 CR.
  - **Prerequisites:** Junior or Senior Classification, Permission of Instructor
  - A maximum of 4 credits of AST 490 may be used toward the total of 128 credits required for graduation
  - Department permission required, process approved add slip in 10 Alumni Hall
  - See dept for reference numbers

## INDEP STUDY ENERGY
- **AST 490N** 1-3 CR.
  - **Prerequisites:** Junior or Senior Classification, Permission of Instructor
  - A maximum of 4 credits of AST 490 may be used toward the total of 128 credits required for graduation
  - Department permission required, process approved add slip in 10 Alumni Hall
  - See dept for reference numbers

## IND STUDY SOIL & WTR
- **AST 490S** 1-3 CR.
  - **Prerequisites:** Junior or Senior Classification, Permission of Instructor
  - A maximum of 4 credits of AST 490 may be used toward the total of 128 credits required for graduation
  - Department permission required, process approved add slip in 10 Alumni Hall
  - See dept for reference numbers

## IND STUDY STRUC/BLDG
- **AST 490T** 1-3 CR.
  - **Prerequisites:** Junior or Senior Classification, Permission of Instructor
  - A maximum of 4 credits of AST 490 may be used toward the total of 128 credits required for graduation
  - Department permission required, process approved add slip in 10 Alumni Hall
  - See dept for reference numbers

## SEED SCI INTERNSHIP
- **AST 491** 1-2 CR.
  - **Prerequisites:** AGRON 338, advance approval and participation of employer and instructor
  - Instructor permission required 1st week, process approved add slip in 10 Alumni Hall
  - **Sections:**
    - 1723005 1 ARRANGED, CAMPBELL A
    - 1723010 2 ARRANGED, GIBSON L
    - 1723015 3 ARRANGED, KNAPP A
    - 1723020 4 ARRANGED, MULLEN R

## AGRICULTURAL SYSTEMS TECHNOLOGY

## AGRICULTURAL SYSTEMS TECHNOLOGY

## AG SYS ANALYS&PLANN
- **AST 496** 3 CR.
  - **Prerequisites:** 12 CR in AST, Sr Classification in Agric Materials
  - Fee: $20.00
  - Available for nonmajor graduate credit
  - **Sections:**
    - 8676005 MF 1:10-2:00
    - W 1:10-3:00

## COOPERATIVE EDUC
- **AST 498** 2 CR.
  - **Prerequisites:** Sr Classification in AST, approval of coop coord
  - Must register prior to commencing each work period
  - **Sections:**
    - 1391010 1 MW 4:10-5:00
    - R 11:00-11:50
    - 1391015 2 MW 4:10-5:00
    - R 2:10-3:00
    - 1391020 3 MW 4:10-5:00
    - F 9:00-9:50

## AGRONOMY

## PRINCIP OF AGRONOMY
- **AGR 114** 3 CR.
  - **Sections:**
    - 1391010 1 MW 4:10-5:00
    - R 11:00-11:50
    - 1391015 2 MW 4:10-5:00
    - R 2:10-3:00
    - 1391020 3 MW 4:10-5:00
    - F 9:00-9:50

## AGRONOMY
## Agronomy

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
<th>Prerequisite(s)</th>
</tr>
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<tbody>
<tr>
<td>AGRON 120</td>
<td>Intr Renew Resources</td>
<td>3 CR</td>
<td></td>
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<tr>
<td>1382005</td>
<td>W MF 12:10-1:00</td>
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<tr>
<td>AGRON 154</td>
<td>Fund of Soil Science</td>
<td>3 CR</td>
<td>CHEM 163</td>
</tr>
<tr>
<td></td>
<td>2-4 HRS Audio Tutorial in addition to</td>
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<td>scheduled class periods. Credit for</td>
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<tr>
<td></td>
<td>only one of the following courses may</td>
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<td></td>
<td>be applied toward graduation: AGRON 14</td>
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<tr>
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<td>154, AGRON 155, or AGRON 156.</td>
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<td>10:00-10:50</td>
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<td>11:00-11:50</td>
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<td>12:10-1:00</td>
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<td>5 M 4:10-5:00 MANU A</td>
<td>9:00-9:50</td>
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<td>6 M 4:10-5:00 MANU A</td>
<td>10:00-10:50</td>
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<td>1395040</td>
<td>7 M 4:10-5:00 MANU A</td>
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<td>8 M 4:10-5:00 MANU A</td>
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<td>9 M 4:10-5:00 MANU A</td>
<td>1:10-2:00</td>
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<td>W 12:10-1:00 MANU A</td>
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<td>6154005</td>
<td>1 M 12:10-1:00 MANU A</td>
<td>1:10-2:00</td>
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<td>6154010</td>
<td>2 M 12:10-1:00 MANU A</td>
<td>3:10-4:00</td>
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<tr>
<td>AGRON 155</td>
<td>Soils Hort Science</td>
<td>3 CR</td>
<td>CHEM 163, Restricted to students in hort course</td>
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<td></td>
<td>Restricted to hort majors only. 2-4 HRS</td>
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<td>Audio Tutorial in addition to scheduled class</td>
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<td></td>
<td>periods. Credit for only one of the following courses may be applied toward graduation: AGRON 154, AGRON 155, or AGRON 156.</td>
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<td>1 M 1:10-2:00 MANU A</td>
<td>3:10-4:00</td>
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<tr>
<td>AGRON 260</td>
<td>Soils &amp; Envir Quality</td>
<td>3 CR</td>
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<td>1397005</td>
<td>1 MWF 12:10-1:00</td>
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<tr>
<td>AGRON 283</td>
<td>Pesticide ApplicatorCert</td>
<td>2 CR</td>
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<td>1905005</td>
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<td>Use Weather Data Ag</td>
<td>1 CR</td>
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<td>AGRON 310</td>
<td>Prof Devel: Internship</td>
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<td>AGRON 317</td>
<td>Prin of Weed Science</td>
<td>3 CR</td>
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<td>AGRON 332</td>
<td>Crop Qual, Trait, Util</td>
<td>2 CR</td>
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<td>1402005</td>
<td>TR 11:00-12:20</td>
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<td>1402010</td>
<td>MWF 11:00-11:50</td>
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<td>AGRON 338</td>
<td>Seed Science &amp; Technol</td>
<td>3 CR</td>
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<tr>
<td>1409005</td>
<td>MW 9:00-9:50</td>
<td>W 10:00-11:50</td>
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<td></td>
<td>1 T 12:00-2:00</td>
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<td>AGRON 334</td>
<td>Forage Crop Mgmt</td>
<td>2 CR</td>
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<td>1410005</td>
<td>MW 10:00-10:50</td>
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<td>1 R 3:10-5:00</td>
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<td>AGRON 342</td>
<td>World Food Issues</td>
<td>3 CR</td>
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<td>1402010</td>
<td>2 MWF 11:00-11:50</td>
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## Grain & Forage Crops

<table>
<thead>
<tr>
<th>Course Code</th>
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<th>Credits</th>
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<tbody>
<tr>
<td>AGRON 212</td>
<td>Grain &amp; Forage Crops</td>
<td>4 CR</td>
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<td>Gibson L</td>
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<td>1399020</td>
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<td>1399025</td>
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<td>Gibson L</td>
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</table>

## Intro Meteorology

<table>
<thead>
<tr>
<th>Course Code</th>
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<tbody>
<tr>
<td>AGRON 206</td>
<td>Intro Meteorology</td>
<td>3 CR</td>
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<td>1397005</td>
<td>MWF 2:10-3:00</td>
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## Field Trips & Travel

- Field trips & travel fee $12.00
- Materials fee $7.00
- Travel fee $3.00
# AGRONOMY

## SOILS & PLANT GROWTH

**AGRON 354** 3 CR.
**PREREQ:** 154 AND BIOL 109 OR 202

<table>
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<th>Course Code</th>
<th>Days</th>
<th>Time</th>
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<tbody>
<tr>
<td>1414005</td>
<td>MWF</td>
<td>8:00-8:50</td>
<td>KILLORN R</td>
</tr>
<tr>
<td>141410</td>
<td>2 MWF</td>
<td>10:00-10:50</td>
<td>LOYNACHAN T</td>
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## SOIL & PLANT GROWTH LB

**AGRON 354L** 1 CR.
**PREREQ:** CREDIT OR ENROLLMENT IN 354

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<th>Days</th>
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<tbody>
<tr>
<td>8362005 A</td>
<td>T</td>
<td>12:10-3:00</td>
<td>HENNING S</td>
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<tr>
<td>8362010 B</td>
<td>T</td>
<td>3:10-6:00PM</td>
<td>HENNING S</td>
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<td>8362015 C</td>
<td>W</td>
<td>1:10-4:00</td>
<td>HENNING S</td>
</tr>
<tr>
<td>8362020 D</td>
<td>R</td>
<td>2:10-5:00</td>
<td>HASSELMAN E</td>
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## ENVIR SOIL SCIENCE

**AGRON 360** 3 CR.
**PREREQ:** 260 OR GEOL 100 OR 201

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<td>9:00-9:50</td>
<td>KILLORN R</td>
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<td>3989010</td>
<td>W</td>
<td>2:10-5:00</td>
<td>BURRAS C</td>
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## PLD EXP SOIL DESCRIPT

**AGRON 370** 1 CR.
**PREREQ:** 154 AND PERMISSION OF INSTRUCTOR

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<th>Days</th>
<th>Time</th>
<th>Instructor</th>
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<tbody>
<tr>
<td>1417005</td>
<td>R</td>
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<td>SANDOR J</td>
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## SYST CROP & SOIL MGMT

**AGRON 392** 3 CR.
**PREREQ:** 230, 354

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<td>4515010</td>
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## COOPERATIVE EDUCATION

**AGRON 398** R CR.
**PREREQ:** PERMISSION OF DEPARTMENT COOPERATIVE EDUCATION COORDINATOR, JUNIOR CLASSIFICATION

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<th>Time</th>
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<tr>
<td>1411005</td>
<td>ARRANGED</td>
<td>CAMPBELL A</td>
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## GLOBAL CHANGE

**AGRON 404** 3 CR.
**PREREQ:** FOUR COURSES IN PHYSICAL OR BIOLOGICAL SCIENCES OR ENGINEERING

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<th>Days</th>
<th>Time</th>
<th>Instructor</th>
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<td>8140005</td>
<td>MWF</td>
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## PRO DEVELOP SR FORUM

**AGRON 410** 1 CR.
**PREREQ:** SENIOR CLASSIFICATION

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<tbody>
<tr>
<td>1428005 A</td>
<td>T</td>
<td>2:10-3:00</td>
<td>FALES S</td>
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## ENVIR SOIL & WTR CHEM

**AGRON 459** 3 CR.
**PREREQ:** 354 OR ENSCI 401, CHEM 210 OR 211

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## SOIL GENESIS & LANDSCP

**AGRON 473** 4 CR.
**PREREQ:** 154 OR 402

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<td>10:00-10:50</td>
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<td>1435010</td>
<td>T</td>
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</table>

## AGRONOMY

### INDEPENDENT STUDY

**AGRON 490** 1 - 3 CR.
**PREREQ:** JR/SR CLASSIF WITH AT LEAST 8 CR IN AGRON INSTRUCTOR PERMISSION IN SPECIALTY AREA AFTER CONSULTATION A MAXIMUM OF 4 CREDITS OF AGRON 490 MAY BE APPLIED TOWARD THE TOTAL OF 128 CREDITS REQUIRED FOR GRADUATION

#### SEE DEPT FOR REFERENCE NUMBERS

### INDEPENDENT STUDY HONORS

**AGRON 490H** 1 - 3 CR.
**PREREQ:** JR/SR CLASSIF WITH AT LEAST 8 CR IN AGRON INSTRUCTOR PERMISSION IN SPECIALTY AREA AFTER CONSULTATION MEMBERSHIP IN THE HONORS PROGRAM A MAXIMUM OF 4 CREDITS OF AGRON 490 MAY BE APPLIED TOWARD THE TOTAL OF 128 CREDITS REQUIRED FOR GRADUATION

#### SEE DEPT FOR REFERENCE NUMBERS

### SEED SCI INTERNSHIP

**AGRON 491** 1 - 2 CR.
**PREREQ:** ADVANCED APPROVAL AND PARTICIPATION OF EMPLOYER AND INSTRUCTOR INSTRUCTOR PERMISSION REQUIRED 1ST WEEK, PROCESS APPROVED ADD SLIP IN 10 ALUMNI HALL

<table>
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<td>KNAPP A</td>
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### AG TRAVEL CRSE PREP

**AGRON 495** R CR.
**PREREQ:** PERMISSION OF INSTRUCTOR

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### COOPERATIVE EDUCATION

**AGRON 498** R CR.
**PREREQ:** PERMISSION OF DEPARTMENT COOPERATIVE EDUCATION COORDINATOR, SENIOR CLASSIFICATION

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### GLOBAL CHANGE

**AGRON 504** 3 CR.
**PREREQ:** 4 COURSES IN PHYSICAL OR BIOL SCI OR ENGR

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### BIOMETEOROLOGY

**AGRON 505** 3 CR.
**PREREQ:** 206 INSTRUCTOR PERMISSION REQUIRED 1ST WEEK, PROCESS APPROVED ADD SLIP IN 10 ALUMNI HALL

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Days</th>
<th>Time</th>
<th>Instructor</th>
</tr>
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<tbody>
<tr>
<td>1442005</td>
<td>TR</td>
<td>11:00-12:30</td>
<td>HORNBUCKLE B</td>
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</table>

### WEED BIOL & ECOLOGY

**AGRON 517** 3 CR.
**PREREQ:** 317, BOT 484

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<th>Course Code</th>
<th>Days</th>
<th>Time</th>
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<tbody>
<tr>
<td>1445005</td>
<td>TR</td>
<td>8:00-9:30</td>
<td>DEKKER J</td>
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### HERBICIDE PHY & BIOCH

**AGRON 519** 2 CR.
**PREREQ:** 317, BOT 320

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<th>Course Code</th>
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<tbody>
<tr>
<td>1446005</td>
<td>ARRANGED</td>
<td>OWEN M</td>
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### FIELD PLOT TECHNIQS

**AGRON 526** 3 CR.
**PREREQ:** STAT 401

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<tr>
<td>1450005</td>
<td>TR</td>
<td>9:30-10:50</td>
<td>MOORE K</td>
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<tr>
<td>1450010</td>
<td>R</td>
<td>2:10-4:00</td>
<td>MOORE K</td>
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### PLANT GENETICS

**AGRON 527** 3 CR.
**PREREQ:** GEN 410

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<th>Course Code</th>
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<tbody>
<tr>
<td>2358005</td>
<td>MWF</td>
<td>10:00-10:50</td>
<td>BHATTACHARYYA M</td>
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### AGRONOMY

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
<th>Prerequisites</th>
<th>Office Hours</th>
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<tr>
<td>AG 537</td>
<td>Environ Stres Physiol</td>
<td>3 CR.</td>
<td>Prereq: Bot 320 or equivalent</td>
<td>2053005 TR 12:40-2:00</td>
<td>Lashbrook C</td>
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<tr>
<td>AG 541</td>
<td>Appld Ag Meteorology</td>
<td>2 CR.</td>
<td>Prereq: 206 or Upper Division Biological Science</td>
<td>1454005 Arranged</td>
<td>Taylor S</td>
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<tr>
<td>AG 555A</td>
<td>Pro Pract Res. Research</td>
<td>.5 CR.</td>
<td>Prereq: Graduate Classification</td>
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<tr>
<td>AG 555B</td>
<td>Pro Prac Intel Prop</td>
<td>.5 CR.</td>
<td>Prereq: Graduate Classification</td>
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<tr>
<td>AG 555C</td>
<td>Pro Life Sciethics</td>
<td>.5 CR.</td>
<td>Prereq: Graduate Classification</td>
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<tr>
<td>AG 555D</td>
<td>Pro Plant Breed Ethc</td>
<td>.5 CR.</td>
<td>Prereq: Graduate Classification</td>
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<tr>
<td>AG 557</td>
<td>Soil Physics</td>
<td>3 CR.</td>
<td>Prereq: 354; Recommend: Math 166</td>
<td>1464005 MWF 10:00-10:50</td>
<td>Horton R</td>
</tr>
<tr>
<td>AG 558</td>
<td>Lab Meth Soil Physc</td>
<td>1 CR.</td>
<td>Prereq: 577 concurrent</td>
<td>1465005 M 1:10-4:00</td>
<td>Horton R</td>
</tr>
<tr>
<td>AG 559</td>
<td>Special Topics</td>
<td>Var. CR.</td>
<td>Prereq: 15 credits in agronomy</td>
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<tr>
<td>AG 560A</td>
<td>CR Comp Ag Meteorol</td>
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<td>Prereq: Nonthesis M.S. Option Only</td>
<td>1472005 Arranged</td>
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<tr>
<td>AG 560B</td>
<td>CR Comp Crop Prod &amp; Ph</td>
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<td>Prereq: Nonthesis M.S. Option Only</td>
<td>1473005 Arranged</td>
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<tr>
<td>AG 560C</td>
<td>CR Comp Plnt Breedg</td>
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<td>Prereq: Nonthesis M.S. Option Only</td>
<td>1474005 Arranged</td>
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<tr>
<td>AG 599A</td>
<td>CRTV Comp Soil Chem</td>
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<td>Prereq: Nonthesis M.S. Option Only</td>
<td>1475005 Arranged</td>
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<tr>
<td>AG 599B</td>
<td>CRTV Comp Soil Mgt</td>
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<td>Prereq: Nonthesis M.S. Option Only</td>
<td>1476005 Arranged</td>
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<tr>
<td>AG 599C</td>
<td>CRTV Comp Seed Sci</td>
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<td>Prereq: Nonthesis M.S. Option Only</td>
<td>1477005 Arranged</td>
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<tr>
<td>AG 599D</td>
<td>CRTV Comp Soil Microb</td>
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<td>Prereq: Nonthesis M.S. Option Only</td>
<td>1478005 Arranged</td>
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<tr>
<td>AG 600A</td>
<td>Plant Breeding Sem</td>
<td>1 CR.</td>
<td>Prereq: 1481005 R 4:10-5:00</td>
<td>Lamkey K</td>
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<tr>
<td>AG 600B</td>
<td>Soils Seminar</td>
<td>1 CR.</td>
<td>Prereq: 1482005 W 4:10-5:00</td>
<td>Loynachan T</td>
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<tr>
<td>AG 600C</td>
<td>Crop Prod &amp; Physl Sem</td>
<td>1 CR.</td>
<td>Prereq: 1483005 T 4:10-5:00</td>
<td>Goggi S</td>
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<tr>
<td>AG 609</td>
<td>Agron Meteorology Conf</td>
<td>1 CR.</td>
<td>Prereq: Permission of Instructor</td>
<td>1484005 Arranged</td>
<td>Arritt R</td>
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<tr>
<td>AG 621</td>
<td>Adv Plant Breeding</td>
<td>3 CR.</td>
<td>Prereq: 521, 526, 561; Gen 410</td>
<td>1488005 MWF 9:00-9:50</td>
<td>Lamkey K</td>
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### Course Descriptions

- **Soil Physics**: AG 577, 3 credits. Prereq: 354; Recommend: Math 166. Office Hours: 1464005 MWF 10:00-10:50. Instructor: Horton R.
- **Laboratory Methods in Soil Physics**: AG 578, 1 credit. Prereq: 577 concurrent. Office Hours: 1465005 M 1:10-4:00. Instructor: Horton R.

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**Special Topics**: AG 590, Variable credits. Prereq: 15 credits in Agronomy. See dept for reference numbers.
SPRING 2005     Last Updated 09-17-2004

AGRONOMY

GENET STRAT PLT BRD   AGRON 625      3 CR.
PREREQ: 521, GEN 410, BOT 545
1489005   TR 11:00-12:30   LEE M

ADV SOIL FERTILITY   AGRON 655      2 CR.
PREREQ: 553
1492005   WF 11:00-11:50   BLACKMER A

SEM PLT PHYSL,MOLEC   AGRON 696      1 CR.
7743005   W 4:10-5:00

AGRON TCHNG PRACTCM   AGRON 698   1- 2 CR.
SATISFACTORY-FAIL ONLY.
PREREQ: GRADUATE CLASSIFICATION IN AGRON AND
PERMISSION OF INSTRUCTOR
*******   SEE DEPT FOR REFERENCE NUMBERS

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

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

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

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

RESEARCH SOIL FERT   AGRON 699E VAR.  CR.
*******   SEE DEPT FOR REFERENCE NUMBERS

RESEARCH SOIL MGT   AGRON 699F VAR.  CR.
*******   SEE DEPT FOR REFERENCE NUMBERS

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

RESEARCH SOIL MORPH   AGRON 699H VAR.  CR.
*******   SEE DEPT FOR REFERENCE NUMBERS

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

RES PLANT PHYSIOLOGY   AGRON 699J VAR.  CR.
*******   SEE DEPT FOR REFERENCE NUMBERS

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

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

AIR FORCE AEROSPACE STUDIES

LEADERSHIP LAB I   AFAS 102      1 CR.
SATISFACTORY-FAIL ONLY.
OPEN ONLY TO STUDENTS WHO ARE MEMBERS OF AFROTC
OR ARE ELIGIBLE TO PURSUE A COMMISSION AS DETERMINED
BY THE AFAS PROFESSOR
INSTRUCTOR PERMISSION REQUIRED 1ST WEEK, PROCESS
APPROVED ADD SLIP IN 10 ALUMNI HALL
8732005   T 6:30-7:50
A THURSDAY MTG WILL BE SUBSTITUTED THE
FIRST WEEK

AIR POWER DEVELOPMENT   AFAS 242      1 CR.
1263005   A W 9:00-9:50
1263010   B T 9:00-8:50
1263015   C W 1:10-2:00

LEADERSHIP LAB III   AFAS 302      1 CR.
SATISFACTORY-FAIL ONLY.
OPEN ONLY TO STUDENTS WHO ARE MEMBERS OF AFROTC
OR ARE ELIGIBLE TO PURSUE A COMMISSION AS DETERMINED
BY THE AFAS PROFESSOR
INSTRUCTOR PERMISSION REQUIRED 1ST WEEK, PROCESS
APPROVED ADD SLIP IN 10 ALUMNI HALL
8734005   T 6:30-7:50
A THURSDAY MTG WILL BE SUBSTITUTED THE
FIRST WEEK

AIR F MGT&LEADERSHIP   AFAS 342      3 CR.
1265005   A TR 11:00-12:20
1265010   B TR 2:10-3:30

LEADERSHIP LAB IV   AFAS 402      1 CR.
SATISFACTORY-FAIL ONLY.
OPEN ONLY TO STUDENTS WHO ARE MEMBERS OF AFROTC
OR ARE ELIGIBLE TO PURSUE A COMMISSION AS DETERMINED
BY THE AFAS PROFESSOR
INSTRUCTOR PERMISSION REQUIRED 1ST WEEK, PROCESS
APPROVED ADD SLIP IN 10 ALUMNI HALL
8736005   T 6:30-7:50
A THURSDAY MTG WILL BE SUBSTITUTED THE
FIRST WEEK

NATIONAL SECURITY FORCE   AFAS 442      3 CR.
PREREQ: 342 OR PERMISSION OF INSTRUCTOR
THE DEPARTMENT RECOMMENDS CREDIT IN 441 BEFORE
ENROLLING IN 442
1267005   A TR 9:30-10:50
1267010   B TR 3:40-5:00

AMERICAN INDIAN STUDIES

INTRO AM IN STUDIES   AM IN 210      3 CR.
MEETS U.S. DIVERSITY REQMT.
1506005   A MWF 10:00-10:50
1506010   B MWF 10:00-10:50
1506015   C MWF 1:10-2:00
1506020   D MWF 10:00-10:50
### American Indian Studies

<table>
<thead>
<tr>
<th>Course Title</th>
<th>CRN 1</th>
<th>CRN 2</th>
<th>CRN 3</th>
<th>Days</th>
<th>Time</th>
<th>Instructor</th>
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<tr>
<td>Topics Amer Indian AM IN 310</td>
<td>9438005</td>
<td>9438010</td>
<td>6382005</td>
<td>A</td>
<td>MWF 10:00-10:50</td>
<td>Gross L</td>
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<td>Amer Indian Religions AM IN 328</td>
<td>9438005</td>
<td>9438010</td>
<td>6382005</td>
<td>A</td>
<td>MWF 10:00-10:50</td>
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<td>American Indian Lit AM IN 346</td>
<td>1511005</td>
<td>1511010</td>
<td>1511015</td>
<td>A1</td>
<td>MWF 9:00-9:50</td>
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<tr>
<td>American Indian Religions AM IN 328</td>
<td>9438005</td>
<td>9438010</td>
<td>6382005</td>
<td>A</td>
<td>MWF 10:00-10:50</td>
<td>Gross L</td>
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### Animal Ecology

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<tr>
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<th>CRN 1</th>
<th>CRN 2</th>
<th>CRN 3</th>
<th>Days</th>
<th>Time</th>
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<tr>
<td>Natural Hist Birds A ECL 363</td>
<td>6184005</td>
<td>6184010</td>
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<td>7:00-8:50PM</td>
<td>Roth J</td>
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<tr>
<td>Animal Ecol Careers A ECL 211</td>
<td>4641005</td>
<td>6360005</td>
<td>6381005</td>
<td>T</td>
<td>8:00-8:50</td>
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<td>Fish Ecology A ECL 520</td>
<td>1094005</td>
<td>1092005</td>
<td>1092010</td>
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<td>Aquatic Insects A ECL 425</td>
<td>6360005</td>
<td>6360010</td>
<td>6360015</td>
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### Wildlfe & Agriculture

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<td>Fish Biology A ECL 321</td>
<td>1064010</td>
<td>1070005</td>
<td>1073005</td>
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<td>Interpr Nat Resourc A ECL 330</td>
<td>1070005</td>
<td>1073005</td>
<td>1073010</td>
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<td>Ecolog Methds&amp;Analysis A ECL 350</td>
<td>1073005</td>
<td>1073010</td>
<td>1073015</td>
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<td>2:10-3:00</td>
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<td>Natu Hist Rept&amp;Amph A ECL 362</td>
<td>2582005</td>
<td>2582010</td>
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ANIMAL ECOLOGY

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

SEMINAR  A ECL 600  1 CR.
1107005  1 ARRANGED

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

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

ANIMAL SCIENCE

SURVEY ANIMAL INDUS  AN S 114  2 CR.
1519005  A MW 8:00-8:50

WORKING WITH ANIMALS  AN S 114L  1 CR.
PREREQ: CREDIT OR CONCURRENT ENROLLMENT IN 114
MATERIALS AND FIELD TRIPS & TRAVEL FEE $10.00-$30.00
1527005  1 F 8:00-9:50
1527010  2 F 10:00-11:50
1527015  3 F 12:10-2:00

HORSEMNSHP&EQUITATN  AN S 115  1 CR.
Satisfactory-Fail only.
COURSE MEETS AT STAGECOACH STABLES IN NORTHEAST
AMES. MUST ALLOW EXTRA TIME BETWEEN THIS AND OTHER
CLASSES FOR TRAVEL TO AND FROM STAGECOACH STABLES.
MUST PROVIDE OWN TRANSPORTATION.
EQUIPMENT USE FEE $250.00-$400.00
5027005  1 M 8:00-9:50
SEC 1 BEGINNER HUNT SEAT EQUITATION
5027010  2 T 8:00-9:50
SEC 2 BEGINNER HUNT SEAT EQUITATION
5027015  3 M 10:00-12:00
SEC 3 BEGINNER JUMPING
5027020  4 T 2:10-4:00
SEC 4 BEGINNER JUMPING
5027025  5 M 12:10-2:00
SEC 5 BEGINNER WESTERN
5027030  6 W 10:00-12:00
SEC 6 BEGINNER WESTERN
5027035  7 F 8:00-9:50
SEC 7 BEGINNER WESTERN
5027040  8 T 10:00-11:50
SEC 8 INTERMEDIATE JUMPING
5027045  9 R 12:10-3:00
SEC 9 INTERMEDIATE JUMPING
5027050 10 F 10:00-11:50
SEC 10 INTERMEDIATE JUMPING
5027055 11 T 12:10-2:00
SEC 11 INTERMEDIATE WESTERN
5027060 12 R 10:00-11:50
SEC 12 INTERMEDIATE WESTERN
5027065 13 F 2:10-4:00
SEC 13 INTERMEDIATE WESTERN
5027070 14 F 12:10-2:00
SEC 14 ADVANCED JUMPING

ANIMAL SCIENCE

ISSUES FACING AN S  AN S 211  1 CR.
Satisfactory-Fail only.
PREREQ: 114, SOPHOMORE CLASSIFICATION
1542005  1 T 4:10-6:00PM

DOMEST ANIM PHYSIOL  AN S 214  3 CR.
PREREQ: BIOL 201, CHEM 163 OR 177
1521005  1 MWF 9:00-9:50

DOM AN ANAT&PHY LAB  AN S 214L  1 CR.
PREREQ: CONCURRENT ENROLLMENT IN AN S 214
1545005  1 T 8:00-9:50
1545010  2 T 10:00-11:50
1545015  3 T 12:10-2:00
1545020  4 T 2:10-4:00

COMPANION ANIM SCI  AN S 224  3 CR.
PREREQ: COURSE IN BIOLOGY
FIELD TRIPS & TRAVEL FEE $10.00-$30.00
8087005  1 MW 2:10-3:00
R 10:00-11:50
8087010  2 MW 2:10-3:00
R 12:10-2:00

FOOD ANIMAL SCIENCE  AN S 250  3 CR.
PREREQ: 114, 114L; COURSE IN BIOLOGY
MATERIALS AND FIELD TRIPS & TRAVEL FEE $0.00-$30.00
1553005  1 MW 10:00-10:50
R 8:00-11:50
1553010  2 MW 10:00-10:50
R 10:00-11:50
1553015  3 MW 10:00-10:50
R 12:10-2:00

FOODS ANIMAL ORIGIN  AN S 270  3 CR.
PREREQ: BIOL 201, CHEM 163 OR 177
1524010  1 TR 8:00-8:50
W 10:00-11:50
1524015  2 TR 8:00-8:50
W 12:10-2:00
1524020  3 TR 8:00-8:50
W 2:10-4:00

CAREER PREP AN SCI  AN S 311  1 CR.
Satisfactory-Fail only.
PREREQ: JUNIOR CLASSIFICATION IN AN S
1621005  1 W 4:10-6:00PM

ANIML EXERC PHYSIOL  AN S 313  2 CR.
PREREQ: 214, BIOL 201, ONE COURSE IN CHEMISTRY
1624005  1 MW 2:10-3:00

ANIMAL NUTRITION  AN S 319  3 CR.
PREREQ: 214, COURSE IN ORGANIC CHEM OR BIOCHEM
AVAILABLE FOR NONMAJOR GRADUATE CREDIT.
1529005  1 MW 11:00-11:50
R 8:00-9:50
1529010  2 MW 11:00-11:50
R 10:00-11:50
1529015  3 MW 11:00-11:50
R 12:10-2:00
ANIMAL SCIENCE

LIVESTOCK & THE ENVIR  AN S 321X  2 CR.
PREREQ: 114, JUNIOR CLASSIFICATION
7215005  MW 1:10-2:00

ANIMAL REPRODUCTION  AN S 331  3 CR.
PREREQ: COURSE IN PHYSIOLOGY
AVAILABLE FOR NONMAJOR GRADUATE CREDIT.
15311005  MWF 10:00-10:50

ANIMAL REPROD LAB MTH  AN S 332  2 CR.
PREREQ: CREDIT OR ENROLLMENT IN 331
15321005  2 MW 2:10-4:00

EMBRYO TRANSFER & TCH  AN S 333  2 CR.
PREREQ: 331 OR 332
COURSE RESTRICTED TO VET MED SOPH AND ABOVE.
OTHERS BY PERMISSION OF INSTRUCTOR.
AVAILABLE FOR NONMAJOR GRADUATE CREDIT.
4617005  A T 3:10-5:00

EMBRYO TRANSFER LAB  AN S 334  1 CR.
PREREQ: CREDIT OR CONCURRENT ENROLLMENT IN 333
COURSE RESTRICTED TO VET MED SOPH. OTHERS MAY ADD
BY PERMISSION OF INSTRUCTOR.
MATERIALS FEE $100.00-$400.00
AVAILABLE FOR NONMAJOR GRADUATE CREDIT.
5088005  1 ARRANGED
SECT 1: MARCH 7 - MAY 6

DAIRY CATTLE SELECT  AN S 335  2 CR.
PREREQ: SOPHOMORE CLASSIFICATION
FIELD TRIPS & TRAVEL FEE $0.00-$30.00
1533005  TR 4:10-5:00
TR 2:10-4:00

LACTATION  AN S 337  2 CR.
PREREQ: 214
1711005  TR 11:00-11:50

GRWTH & VALU BAS MKTG  AN S 345  3 CR.
PREREQ: 214, 270
FIELD TRIPS & TRAVEL FEE $0.00-$30.00
4478005  MW 2:10-3:00

LVSTK BREED & IMPROV  AN S 352  3 CR.
PREREQ: ONE COURSE IN STATISTICS, BIOL 201,
COURSE IN GENETICS
AVAILABLE FOR NONMAJOR GRADUATE CREDIT.
1534015  1 WF 8:00-8:50
T 8:00-9:50
1534015  2 WF 8:00-8:50
T 10:00-11:50
1534020  3 WF 8:00-8:50
T 12:10-2:00

ANM BREED PRGRM DSN  AN S 353  2 CR.
PREREQ: 352
FIELD TRIPS & TRAVEL FEE $0.00-$30.00
AVAILABLE FOR NONMAJOR GRADUATE CREDIT.
1535005  TR 12:10-2:00

ANIMAL SCIENCE

ANIM SCI INTERNSHIP  AN S 399A  2-6 CR.
PREREQ: PERMISSION OF THE INSTRUCTOR
1538005  ARRANGED

SUPerv’D INTERNSHIP  AN S 399B  R CR.
SATISFACTORY-FAIL ONLY.
PREREQ: PERMISSION OF INTERNSHIP COORDINATOR
2258005  ARRANGED

ISSUES ANIMAL SCIENCE  AN S 411  1 CR.
PREREQ: SENIOR CLASSIFICATION IN AN S
1713005  1 T 4:10-6:00PM
1713010  2 T 4:10-6:00PM

EQUINE SYSTEMS MGT  AN S 415  3 CR.
PREREQ: 216, 319, 331
FIELD TRIPS & TRAVEL FEE $0.00-$30.00
AVAILABLE FOR NONMAJOR GRADUATE CREDIT.
8779005  1 MW 12:10-1:00
T 10:00-11:50
8779010  2 MW 12:10-1:00
R 10:00-11:50

HORSE MGMT BREEDING  AN S 417X  2 CR.
PREREQ: 216, 319, 331, AN S MAJOR
8257005  1 M 2:10-4:00, ARRANGED

COMPANION ANIMAL SYS  AN S 424  3 CR.
PREREQ: 224, 319, 331, 352
FIELD TRIPS & TRAVEL FEE $0.00-$30.00
AVAILABLE FOR NONMAJOR GRADUATE CREDIT.
1803005  1 MW 11:00-11:50
F 12:10-2:00

SWINE SYSTEMS MGT  AN S 425  3 CR.
PREREQ: 270, 319, 331, 352
FIELD TRIPS & TRAVEL FEE $0.00-$30.00
AVAILABLE FOR NONMAJOR GRADUATE CREDIT.
1549010  1 MF 1:10-2:00
W 12:10-2:00
1549015  2 MF 1:10-2:00
W 2:10-4:00

BF CATTLE SYST S MGT  AN S 426  3 CR.
PREREQ: 270, 319, 331, 352
FIELD TRIPS & TRAVEL FEE $0.00-$30.00
AVAILABLE FOR NONMAJOR GRADUATE CREDIT.
1550010  1 MF 3:10-4:00
R 10:00-11:50
1550015  2 MF 3:10-4:00
R 12:10-2:00

SHEEP SYSTEMS MGT  AN S 429  3 CR.
PREREQ: 270, 319, 331, 352
FIELD TRIPS & TRAVEL FEE $0.00-$30.00
AVAILABLE FOR NONMAJOR GRADUATE CREDIT.
1551005  1 TR 12:10-1:00
R 2:10-4:00

APPL DAIRY FRM EVAL  AN S 435X  3 CR.
PREREQ: 434 AND ECOR 330
AVAILABLE FOR NONMAJOR GRADUATE CREDIT.
8252005  1 MW 1:10-2:00, ARRANGED
ANIMAL SCIENCE

PROCESSED MEATS AN S 470 3 CR.
PREREQ: 270
FIELD TRIPS & TRAVEL FEE $0.00-$30.00
AVAILABLE FOR NONMAJOR GRADUATE CREDIT.
1555010 1 MW 9:00-9:50
R 8:00-9:50
1555015 2 MW 9:00-9:50
R 12:10-2:00

JUDGING MEAT ANIMAL AN S 475A 1-5 CR.
PREREQ: ADMISSION BY INVITATION
FIELD TRIPS & TRAVEL FEE $0.00-$600.00
1556005 ARRANGED

JUDGING DAIRY CATTLE AN S 475B 1-5 CR.
PREREQ: ADMISSION BY INVITATION
FIELD TRIPS & TRAVEL FEE $0.00-$600.00
1557005 ARRANGED

JUDGING MEATS AN S 475C 1-5 CR.
PREREQ: ADMISSION BY INVITATION
FIELD TRIPS & TRAVEL FEE $0.00-$600.00
1558005 ARRANGED

JUDG MEAT ANIM EVAL AN S 475D 2 CR.
PREREQ: ADMISSION BY INVITATION
FIELD TRIPS & TRAVEL FEE $0.00-$600.00
1559005 ARRANGED

ISSUES FOOD SAFETY AN S 489 1 CR.
PREREQ: CREDIT OR ENROLLMENT IN FS HN 101 OR 272
OR HRI 233; FS HN 419 OR 420; FS HN 403
8348005 MW 3:10-4:00
MARCH 7-MAY 6

IND STDY AN SCIENCE AN S 490A 1-3 CR.
PREREQ: PERMISSION OF THE INSTRUCTOR
A MAXIMUM OF 6 CREDITS OF AN S 490 MAY BE
APPLIED TOWARD THE TOTAL OF 128 CREDITS REQUIRED FOR GRADUATION
MATERIALS FEE $0.00-$50.00
****** SEE DEPT FOR REFERENCE NUMBERS

IND STDY DY SCIENCE AN S 490B 1-3 CR.
PREREQ: PERMISSION OF THE INSTRUCTOR
A MAXIMUM OF 6 CREDITS OF AN S 490 MAY BE
APPLIED TOWARD THE TOTAL OF 128 CREDITS REQUIRED FOR GRADUATION
MATERIALS FEE $0.00-$50.00
****** SEE DEPT FOR REFERENCE NUMBERS

IND STUDY MEAT SCI AN S 490C 1-3 CR.
PREREQ: PERMISSION OF THE INSTRUCTOR
A MAXIMUM OF 6 CREDITS OF AN S 490 MAY BE
APPLIED TOWARD THE TOTAL OF 128 CREDITS REQUIRED FOR GRADUATION
MATERIALS FEE $0.00-$50.00
****** SEE DEPT FOR REFERENCE NUMBERS

IND STDY SENIOR SEM AN S 490D 1-3 CR.
PREREQ: PERMISSION OF THE INSTRUCTOR
A MAXIMUM OF 6 CREDITS OF AN S 490 MAY BE
APPLIED TOWARD THE TOTAL OF 128 CREDITS REQUIRED FOR GRADUATION
MATERIALS FEE $0.00-$50.00
****** SEE DEPT FOR REFERENCE NUMBERS

ANIMAL SCIENCE

IND STD POULTRY SCI AN S 490G 1-3 CR.
PREREQ: PERMISSION OF THE INSTRUCTOR
A MAXIMUM OF 6 CREDITS OF AN S 490 MAY BE
APPLIED TOWARD THE TOTAL OF 128 CREDITS REQUIRED FOR GRADUATION
MATERIALS FEE $0.00-$50.00
****** SEE DEPT FOR REFERENCE NUMBERS

INDEP STUDY HONORS AN S 490H 1-3 CR.
PREREQ: PERMISSION OF THE INSTRUCTOR, MEMBERSHIP
IN THE HONORS PROGRAM
A MAXIMUM OF 6 CREDITS OF AN S 490 MAY BE
APPLIED TOWARD THE TOTAL OF 128 CREDITS REQUIRED FOR GRADUATION
MATERIALS FEE $0.00-$50.00
****** SEE DEPT FOR REFERENCE NUMBERS

AG TRAVEL CRSE PREP AN S 495 R CR.
PREREQ: PERMISSION OF INSTRUCTOR
1539005 ARRANGED

INTR NUTR EXPERMNTN AN S 505 3 CR.
PREREQ: STAT 401
1568005 ARRANGED

COURSE DELIVERY IS WWW

DIGESTV PHYSL RUMIN AN S 519 3 CR.
PREREQ: 419
1573005 1 TR 3:10-4:00
R 8:00-9:50

PHYS ENDOCRIN REPOR AN S 533 2 CR.
PREREQ: GENERAL PHYSIOLOGY COURSE
1574005 1 ARRANGED

ADV VERTEB PHYSL II AN S 552 3 CR.
PREREQ: ZOOL 355, CR OR ENRLMT IN BBMB 420 OR 404
COURSE ONLY OFFERED FOR 3 CREDITS SPRING 2005
2278005 1 MWF 2:10-3:00

BIOCHEM&P:MACRONUTR AN S 553 3 CR.
PREREQ: BBMB 420, OR BBMB 404 AND CREDIT OR ENROLLMENT IN BBMB 405
7804005 TR 3:40-5:00

LINEAR MOD&GEN PRED AN S 562A 2 CR.
PREREQ: 561, STAT 402
2352005 1 ARRANGED

ADV GEN PREDI&PARAM AN S 562B 2 CR.
PREREQ: 561, STAT 402
7577005 ARRANGED

PRO PRACTCC RESEARCH AN S 565A .5 CR.
PREREQ: GRADUATE CLASSIFICATION
5829005 1 T 12:10-1:00
5829010 2 ARRANGED

PRO PRAC INTEL PROP AN S 565B .5 CR.
PREREQ: GRADUATE CLASSIFICATION
5878005 ARRANGED
ANIMAL SCIENCE

PRO PRACTC LIFE SCI  AN S 565C  .5 CR.
PREREQ: GRADUATE CLASSIFICATION
5898005  ARRANGED

PRO PRAC PLNT BREED  AN S 565D  .5 CR.
PREREQ: GRADUATE CLASSIFICATION
5901005  R 1:10-3:00

ADV MEAT SCI&MUSCLE  AN S 570  3 CR.
PREREQ: 470
1578005  1 ARRANGED

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

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

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

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

SPL TOPICS MEAT SCI  AN S 590E  1- 3 CR.
PREREQ: PERMISSION OF INSTRUCTOR
*******  SEE DEPT FOR REFERENCE NUMBERS

SPL TOP PHYS REPROD  AN S 590F  1- 3 CR.
PREREQ: PERMISSION OF INSTRUCTOR
*******  SEE DEPT FOR REFERENCE NUMBERS

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

SPL TOP POULTR NUTR  AN S 590H  1- 3 CR.
PREREQ: PERMISSION OF INSTRUCTOR
*******  SEE DEPT FOR REFERENCE NUMBERS

SPL TOP POULTR PROD  AN S 590I  1- 3 CR.
PREREQ: PERMISSION OF INSTRUCTOR
*******  SEE DEPT FOR REFERENCE NUMBERS

SPL TOP EXP SURGERY  AN S 590J  1- 3 CR.
PREREQ: PERMISSION OF INSTRUCTOR
*******  SEE DEPT FOR REFERENCE NUMBERS

SPL TOP PROP TOPICS  AN S 590K  1- 3 CR.
PREREQ: PERMISSION OF INSTRUCTOR
*******  SEE DEPT FOR REFERENCE NUMBERS

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

ANIMAL SCIENCE

CRTV COMP AN BREEDG  AN S 599A  1- 8 CR.
PREREQ: NONTHESIS M.S. STATUS
2444005  1 ARRANGED

CRTV COMP ANI NUTRI  AN S 599B  1- 8 CR.
PREREQ: NONTHESIS M.S. STATUS
2483000  1 ARRANGED

CRTV CMP AN PHYSIOL  AN S 599C  1- 8 CR.
PREREQ: NONTHESIS M.S. STATUS
2487005  1 ARRANGED

CRTV COMPO ANI NUTR  AN S 599D  1- 8 CR.
PREREQ: NONTHESIS M.S. STATUS
2519005  1 ARRANGED

CRTV COMPO MEAT SCI  AN S 599E  1- 8 CR.
PREREQ: NONTHESIS M.S. STATUS
2520005  1 ARRANGED

ANIML NUTRITION SEM  AN S 603  1 CR.
PREREQ: PERMISSION OF INSTRUCTOR
1591005  M 4:10-5:00

AN BREEDG GOALS&SEL  AN S 652A  2 CR.
PREREQ: 561, 562
INSTRUCTOR PERMISSION REQUIRED 1ST WEEK, PROCESS
APPROVED ADD SLIP IN 10 ALUMNI HALL
1598005  1 ARRANGED

DSIGN&EV BREED PROG  AN S 652B  2 CR.
PREREQ: 561,562
7584005  1 ARRANGED

ADV MTHDS POP GENET  AN S 657  3 CR.
PREREQ: 562
INSTRUCTOR PERMISSION REQUIRED 1ST WEEK, PROCESS
APPROVED ADD SLIP IN 10 ALUMNI HALL
1601005  ARRANGED

SEM AN BREEDG&GENET  AN S 658  1 CR.
PREREQ: PERMISSION OF INSTRUCTOR
7083005  T 11:00-11:50

MODERN VIEWS NUTR  AN S 680  R CR.
1603005  W 4:10-5:00

SEMINAR MEAT SCIENC  AN S 684  1 CR.
PREREQ: PERMISSION OF INSTRUCTOR
1604005  T 12:10-1:00

SEMINAR MUSCLE BIOL  AN S 685  1 CR.
PREREQ: PERMISSION OF INSTRUCTOR
1605005  ARRANGED

SEM IN MCDB  AN S 698  1- 2 CR.
COURSE OFFERED FOR 1 CREDIT ONLY S05.
1680005  M 3:10-5:00

ANIMAL BREEDING RES  AN S 699A VAR. CR.
*******  SEE DEPT FOR REFERENCE NUMBERS
ANIMAL SCIENCE

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

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

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

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

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

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

ANTHROPOLOGY

INTR CULTRL ANTHR ANTHR 201 3 CR. MEETS INTERNATIONAL PERSPECTIVES REQMT.
1615005 1 MW 3:10-4:00 NATRAJAN B
T 8:00-8:50
1615010 2 MW 3:10-4:00 NATRAJAN B
T 9:00-9:50
1615015 3 MW 3:10-4:00 NATRAJAN B
T 10:00-10:50
1615020 4 MW 3:10-4:00 NATRAJAN B
T 11:00-11:50
1615025 5 MW 3:10-4:00 NATRAJAN B
T 12:10-1:00
1615030 6 MW 3:10-4:00 NATRAJAN B
T 1:10-2:00
1615035 7 T 6:00-8:30PM COINMAN N
1615040 8 MW 3:10-4:00 NATRAJAN B
W 8:00-8:50
1615045 9 MW 3:10-4:00 NATRAJAN B
W 9:00-9:50
1615050 10 MW 3:10-4:00 NATRAJAN B
W 10:00-10:50
1615055 11 MW 3:10-4:00 NATRAJAN B
W 11:00-11:50
1615060 12 MW 3:10-4:00 NATRAJAN B
W 12:10-1:00
1615065 13 MW 3:10-4:00 NATRAJAN B
W 1:10-2:00
1615070 14 MW 3:10-4:00 NATRAJAN B
W 2:10-3:00
1615075 15 MW 3:10-4:00 NATRAJAN B
R 8:00-8:50

INTR BIOL AN&ARCHEO ANTHR 202 3 CR.
1616005 1 MW 1:10-2:00 PRUETZ J
F 8:00-9:50
1616010 2 MW 1:10-2:00 PRUETZ J
F 10:00-11:50
1616015 3 MW 1:10-2:00 PRUETZ J
F 12:10-2:00
1616020 4 MW 1:10-2:00 PRUETZ J
F 2:10-4:00

FAMILY CROSS-CULTUR ANTHR 313 3 CR. PREREQ: 201 RECOMMENDED MEETS U.S. DIVERSITY & INTL PERSPECTIVES REQMT.
1623005 TR 2:10-3:30 HUANG S

WORLD PREHISTORY ANTHR 321 3 CR. PREREQ: 202 RECOMMENDED MEETS INTERNATIONAL PERSPECTIVES REQMT.
1628005 MW 3:10-4:30 JONES A

PEOPLE&CULTR AFRICA ANTHR 325 3 CR. PREREQ: 201 OR 306 RECOMMENDED MEETS INTERNATIONAL PERSPECTIVES REQMT.
1631005 TR 12:40-2:00 NATRAJAN B

PEOPLE&CULTR S ASIA ANTHR 327X 3 CR. PREREQ: 201 OR 306 RECOMMENDED MEETS INTERNATIONAL PERSPECTIVES REQMT. AVAILABLE FOR NONMAJOR GRADUATE CREDIT.
1634005 TR 9:30-10:50 ILAHIANE H

ARCHABOL LAB METHDS ANTHR 428 3 CR. PREREQ: 308 MATERIALS FEE $10.00
1637005 TR 3:40-5:00 HILL M
**ANTHROPOLOGY**

**INTERNERSHIP** ANTHR 434 2-6 CR.
Satisfactory-Fail only.
Prereq: Junior or senior standing
No credit in ANTHR 434 may be used to satisfy ANTHR core course requirements for graduation for the major or for the ANTHR minor
7718005 Arranged

**PRIMATE EVO ECO&BHV** ANTHR 438X 3 CR.
Prereq: 202 or 307
Materials and field trips & travel fee $10.00
Available for nonmajor graduate credit.
6959005 MWF 8:00-8:50 PRUETZ J

**SEX&GENDER X-CULTUR** ANTHR 444 3 CR.
Prereq: 201; 306 recommended
Meets international perspectives reqmt.
7703005 TR 12:40-2:00 KESSEL K

**PRACTICUM IN ANTHRO** ANTHR 451X 1-3 CR.
Prereq: 201 or 202 and permission of instructor
Instructor permission required, process
Approved add slip in 10 alumni hall
4780005 Arranged

**INDEPENDENT STUDY ARCHAEOLOGY** ANTHR 490A 1-5 CR.
Prereq: 9 credits in anthropology
No more than 9 credits of ANTHR 490 may be applied toward graduation
Instructor permission required 1st week, process
Approved add slip in 10 alumni hall
******** See dept for reference numbers

**INDEPENDENT STUDY CULTURE** ANTHR 490B 1-5 CR.
Prereq: 9 credits in anthropology
No more than 9 credits of ANTHR 490 may be applied toward graduation
Instructor permission required 1st week, process
Approved add slip in 10 alumni hall
******** See dept for reference numbers

**INDEPENDENT STUDY BIOLOGY** ANTHR 490C 1-5 CR.
Prereq: 9 credits in anthropology
No more than 9 credits of ANTHR 490 may be applied toward graduation
Instructor permission required 1st week, process
Approved add slip in 10 alumni hall
******** See dept for reference numbers

**INDEPENDENT STUDY HONORS** ANTHR 490H 1-5 CR.
Prereq: 9 credits in anthropology, membership in the honors program
No more than 9 credits of ANTHR 490 may be applied toward graduation
Instructor permission required 1st week, process
Approved add slip in 10 alumni hall
******** See dept for reference numbers

**LANGUAGE & CULTURE** ANTHR 500 3 CR.
Course restricted to graduate students only
Instructor permission required 1st week, process
Approved add slip in 10 alumni hall
1645005 W 5:10-8:00PM COMITO J

**ARCHAEOLOGICAL LAB METHODS** ANTHR 528 3 CR.
Prereq: 308
Course restricted to graduate students only
Materials fee $10.00
7975005 TR 3:40-5:00 HILL M

**PRIMATE EVO ECO&BHV** ANTHR 538X 3 CR.
Prereq: 202 or 307
Course restricted to graduate students only
Materials and field trips & travel fee $10.00
Available for nonmajor graduate credit.
6945005 MWF 8:00-8:50 PRUETZ J

**MAGIC, WITCHC, & RELIG** ANTHR 540 3 CR.
Prereq: 6 cr in ANTHR; 201 or 306 recommended
Course restricted to graduate students only
Meets international perspectives reqmt.
7687005 TR 9:30-10:50 ILAHIANE H

**SEX&GENDER X-CULTUR** ANTHR 544 3 CR.
Prereq: 201; 306 recommended
Course restricted to graduate students only
7704005 TR 12:40-2:00 KESSEL K

**SPECIAL TOPICS** ANTHR 590 1-5 CR.
Prereq: 10 cr in ANTHR; sr or grad classification
Course restricted to graduate students only
Instructor permission required 1st week, process
Approved add slip in 10 alumni hall
******** See dept for reference numbers

**SOC&TECH SUS FOOD SY** ANTHR 610 3 CR.
Prereq: 509
Course restricted to graduate students only
7585005 TR 9:30-10:50

**RESEARCH** ANTHR 699 VAR. CR.
Instructor permission required 1st week, process
Approved add slip in 10 alumni hall
******** See dept for reference numbers
ARCHITECTURE

ARCHITECT DESIGN II  ARCH 202  6 CR.
PREREQ: 201
COURSE RESTRICTED TO ARC MAJORS ONLY
MATERIALS AND FIELD TRIPS & TRAVEL FEE $225.00-$325.00
1674005  F 4:10-5:20
         MW 1:10-5:20
         F 1:10-3:50

HIST WESTERN ARC II  ARCH 222  3 CR.
MEETS INTERNATIONAL PERSPECTIVES REQMT.
7737005  1 MW 9:00-9:50
         F 9:00-9:50
7737010  2 MW 9:00-9:50
         F 9:00-9:50
7737015  3 MW 9:00-9:50
         F 9:00-9:50
7737020  4 MW 9:00-9:50
         F 9:00-9:50
7737025  5 MW 9:00-9:50
         F 10:00-10:50
7737030  6 MW 9:00-9:50
         F 10:00-10:50
7737035  7 MW 9:00-9:50
         F 10:00-10:50
7737040  8 MW 9:00-9:50
         F 10:00-10:50

ARCHITECT DESIGN IV  ARCH 302  6 CR.
PREREQ: 301 AND MINIMUM 2.0 GPA IN PREVIOUS
STUDIO COURSES
FIELD TRIPS & TRAVEL FEE $25.00-$475.00
1682005  F 4:10-5:20
         MW 1:10-5:20
         F 1:10-3:50

ARCHITECT DESIGN VI  ARCH 402  6 CR.
PREREQ: 401 AND MINIMUM 2.0 GPA IN PREVIOUS
STUDIO COURSES
MATERIALS AND FIELD TRIPS & TRAVEL FEE $25.00-$575.00
MEETS INTERNATIONAL PERSPECTIVES REQMT.
1692005  F 4:10-5:20
         MW 1:10-5:20
         F 1:10-3:50

ARCHITECT DESIGN VIII  ARCH 404  6 CR.
PREREQ: 403, 485
MATERIALS AND FIELD TRIPS & TRAVEL FEE
$40.00-$400.00
1694005  F 4:10-5:20
         MW 1:10-5:20
         F 1:10-3:50

ANALYTICAL DRAWING  ARCH 431  3 CR.
PREREQ: 232, 302
2154005  ARRANGED
TR 4:10-6:30PM

MATLS&ASSEMBLIES II  ARCH 448  3 CR.
PREREQ: 346
1933005  TR 12:40-2:00

PRESERVATN &REHABTN  ARCH 467  3 CR.
PREREQ: SENIOR CLASSIFICATION
AVAILABLE FOR NONMAJOR GRADUATE CREDIT.
1710005  1 TR 9:30-10:50
SECTION 1 RESTRICTED TO ARC, ARCH MAJORS
ONLY
1710010  2 TR 9:30-10:50
SECTION 2 FOR MAJORS OTHER THAN ARC, ARCH

ARCHITECT DESIGN III  ARCH 346  3 CR.
PREREQ: 344
2256005  MW 9:00-9:50

ARCHITECT DESIGN VIII  ARCH 404  6 CR.
PREREQ: 403, 485
MATERIALS AND FIELD TRIPS & TRAVEL FEE $40.00-$400.00
1694005  F 4:10-5:20
         MW 1:10-5:20
         F 1:10-3:50

ARCHITECT DESIGN VIII  ARCH 404  6 CR.
PREREQ: 403, 485
MATERIALS AND FIELD TRIPS & TRAVEL FEE $40.00-$400.00
1694005  F 4:10-5:20
         MW 1:10-5:20
         F 1:10-3:50

TOPICS 19TH CENTURY  ARCH 424  3 CR.
PREREQ: JUNIOR CLASSIFICATION
AVAILABLE FOR NONMAJOR GRADUATE CREDIT.
1698005  1 MW 11:00-11:50
         MW 11:00-11:50

DEPARTMENT PERMISSION REQUIRED, PROCESS
APPROVED ADD SLIP IN 10 ALUMNI HALL
******* SEE DEPT FOR REFERENCE NUMBERS

INDEP STUDY DSN COMM  ARCH 490B  1- 9 CR.
PREREQ: APPROVL OF INSTR & DEPT CHAIR ON REQ FORM
DEPARTMENT PERMISSION REQUIRED, PROCESS
APPROVED ADD SLIP IN 10 ALUMNI HALL
******* SEE DEPT FOR REFERENCE NUMBERS
## Architecture

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
<th>Prerequisites</th>
</tr>
</thead>
<tbody>
<tr>
<td>ARCH 528K</td>
<td>Topical Std Practice</td>
<td>2-3 CR.</td>
<td>PREREQ: 221, 222 OR SR CLASSIF OR GRAD STANDING. COURSE RESTRICTED TO SENIORS OR GRADUATE STUDENTS</td>
</tr>
<tr>
<td>ARCH 534</td>
<td>Adv Cmpt-Aid Arch</td>
<td>3 CR.</td>
<td>PREREQ: 434, PERMISSION OF INSTRUCTOR</td>
</tr>
<tr>
<td>ARCH 535</td>
<td>Adv Three-Di Studio Arch</td>
<td>2 CR.</td>
<td>PREREQ: 335 OR GRADUATE STANDING. A MAXIMUM OF 8 CREDITS OF ARCH 335 AND ARCH 535 COMBINED MAY BE APPLIED TOWARDS GRADUATION</td>
</tr>
<tr>
<td>ARCH 542X</td>
<td>Sci &amp; Tech/Archtct II</td>
<td>5 CR.</td>
<td>PREREQ: 505X, 595X, 541X MATERIALS AND FIELD TRIPS &amp; TRAVEL FEE $50.00</td>
</tr>
<tr>
<td>ARCH 552</td>
<td>Contemp Urb DSN Thy</td>
<td>3 CR.</td>
<td></td>
</tr>
<tr>
<td>ARCH 588</td>
<td>Pre-Thesis Seminar</td>
<td>3 CR.</td>
<td>PREREQ: GRADUATE STANDING.</td>
</tr>
<tr>
<td>ARCH 590</td>
<td>Special Topics</td>
<td>1-5 CR.</td>
<td>PREREQ: WRITTEN APPROVAL OF INSTRUCTOR AND DEPARTMENT CHAIR ON APPROVED FORM</td>
</tr>
<tr>
<td>ARCH 596X</td>
<td>Cultural Inquiry II</td>
<td>5 CR.</td>
<td>PREREQ: 595X, 505X, 541X MATERIALS AND FIELD TRIPS &amp; TRAVEL FEE $50.00</td>
</tr>
<tr>
<td>ARCH 602</td>
<td>Adv Arch Design II</td>
<td>6 CR.</td>
<td>PREREQ: 601 COURSE RESTRICTED TO ARCH MAJORS ONLY FIELD TRIPS &amp; TRAVEL FEE $125.00-$325.00</td>
</tr>
<tr>
<td>ARCH 603</td>
<td>Adv Arch Design III</td>
<td>6 CR.</td>
<td>PREREQ: PROFESSIONAL DEGREE IN ARCHITECTURE OR ADVANCED STANDING IN THE GRADUATE PROGRAM COURSE RESTRICTED TO ARCH MAJORS ONLY FIELD TRIPS &amp; TRAVEL FEE $125.00-$325.00</td>
</tr>
<tr>
<td>ARCH 690</td>
<td>Indep Design Study</td>
<td>6 CR.</td>
<td>PREREQ: ADMISSION TO MSAS OR MARCH 30 CR PROGRAM DEPARTMENT PERMISSION REQUIRED, PROCESS APPROVED ADD SLIP IN 10 ALUMNI HALL</td>
</tr>
</tbody>
</table>

**IND STUDY TECHN SYST** ARCH 490C 1-9 CR.  
PREREQ: APPROV OF INSTR & DEPT CHAIR ON REQ FORM  
DEPARTMENT PERMISSION REQUIRED, PROCESS  
APPROVED ADD SLIP IN 10 ALUMNI HALL  
********** SEE DEPT FOR REFERENCE NUMBERS

**IND STUDY ARCH HIST** ARCH 490D 1-9 CR.  
PREREQ: APPROV OF INSTR & DEPT CHAIR ON REQ FORM  
DEPARTMENT PERMISSION REQUIRED, PROCESS  
APPROVED ADD SLIP IN 10 ALUMNI HALL  
********** SEE DEPT FOR REFERENCE NUMBERS

**IND STUDY BEHAV STD** ARCH 490E 1-9 CR.  
PREREQ: APPROV OF INSTR & DEPT CHAIR ON REQ FORM  
DEPARTMENT PERMISSION REQUIRED, PROCESS  
APPROVED ADD SLIP IN 10 ALUMNI HALL  
********** SEE DEPT FOR REFERENCE NUMBERS

**INDEP STDY PRACTICE** ARCH 490F 1-9 CR.  
PREREQ: APPROV OF INSTR & DEPT CHAIR ON REQ FORM  
DEPARTMENT PERMISSION REQUIRED, PROCESS  
APPROVED ADD SLIP IN 10 ALUMNI HALL  
********** SEE DEPT FOR REFERENCE NUMBERS

**INDEP STUDY HONORS** ARCH 490H 1-9 CR.  
PREREQ: APPROVAL OF INSTR & DEPT CHAIR ON REQUIRED FORM. MEMBERSHIP IN THE HONORS PROGRAM.  
DEPARTMENT PERMISSION REQUIRED, PROCESS  
APPROVED ADD SLIP IN 10 ALUMNI HALL  
********** SEE DEPT FOR REFERENCE NUMBERS

**ARCHITECTURE DSN II** ARCH 506X 5 CR.  
PREREQ: 505X; 595X; 541X  
MATERIALS AND FIELD TRIPS & TRAVEL FEE $50.00-$600.00  
1753005 MTWRF 1:10-4:30

**TOPICS 19TH CENTURY** ARCH 524 3 CR.  
PREREQ: 221, 222 AND SR OR GRAD CLASSIFICATION, PERMISSION OF INSTRUCTOR  
1721005 1 MWF 11:00-11:50  
MAVES J

**TOPICL STD PRACTICE** ARCH 528K 2-3 CR.  
PREREQ: 221, 222 OR SR CLASSIF OR GRAD STANDING  
1728005 TR 9:30-10:50

**TOPC STD ARCHITECTS** ARCH 528E 2-3 CR.  
PREREQ: 221, 222 OR SR CLASSIF OR GRAD STANDING  
1729005 T 6:30-9:00PM

**TOP CSTD TECH, STRUC** ARCH 528G 2-3 CR.  
PREREQ: 221, 222 OR SR CLASSIF OR GRAD STANDING  
FIELD TRIPS & TRAVEL FEE $50.00  
1731005 1 TR 12:10-3:30  
1731010 2 MW 11:00-12:30  
TOPIC: LIGHT DESIGN IN ART & ARCHITECTURE

**TOPC STD URBAN DSGN** ARCH 528I 2-3 CR.  
PREREQ: 221, 222 OR SR CLASSIF OR GRAD STANDING  
1732005 1 TR 12:40-2:00  
1732010 2 TR 12:40-2:00

**CULTURAL INQUIRY II** ARCH 596X 5 CR.  
PREREQ: 595X, 505X, 541X  
MATERIALS AND FIELD TRIPS & TRAVEL FEE $50.00  
7926005 TR 10:30-11:50  
R 1:10-4:30

**ADV ARCH DESIGN II** ARCH 602 6 CR.  
PREREQ: 601 COURSE RESTRICTED TO ARCH MAJORS ONLY FIELD TRIPS & TRAVEL FEE $125.00-$325.00  
1760005 F 4:10-5:20  
MW 1:10-5:20  
F 1:10-3:50

**ADV ARCH DESIGN III** ARCH 603 6 CR.  
PREREQ: PROFESSIONAL DEGREE IN ARCHITECTURE OR ADVANCED STANDING IN THE GRADUATE PROGRAM COURSE RESTRICTED TO ARCH MAJORS ONLY FIELD TRIPS & TRAVEL FEE $125.00-$325.00  
1761005 MW 1:10-5:20

**INDEP DESIGN STUDY** ARCH 690 6 CR.  
PREREQ: ADMISSION TO MSAS OR MARCH 30 CR PROGRAM DEPARTMENT PERMISSION REQUIRED, PROCESS APPROVED ADD SLIP IN 10 ALUMNI HALL  
********** SEE DEPT FOR REFERENCE NUMBERS
ARCHITECTURE

THESIS
ARCH 699 3-9 CR.
****** SEE DEPT FOR REFERENCE NUMBERS

ART & DESIGN

DRAWING II
ART 230 3 CR.
PREREQ: 130
COURSE RESTRICTED TO ART, ARTDN, ARTFA, ARTGR, ARTID, PBPMI MAJORS ONLY.
MATERIALS AND PROFESSIONAL SUPPORT FEE $5.00
INSTRUCTOR PERMISSION REQUIRED 1ST WEEK, PROCESS APPROVED ADD SLIP IN 10 ALUMNI HALL
1779005 A MWF 12:10-2:00
1779010 B TR 8:00-11:00
1779015 C TR 2:10-5:00

FINE ARTS EUROP SEM
ART 494A 1 CR.
SATISFACTORY-FAIL ONLY.
PREREQ: PERMISSION OF INSTRUCTOR & PLANNED FALL ENROLLMENT IN 495
COURSE RESTRICTED TO ART, ARTDN, ARTFA MAJORS
MEETS INTERNATIONAL PERSPECTIVES REQMT.
3206005 M 6:00-6:50PM

GRAPHIC DSN EUR SEM
ART 494G 1 CR.
SATISFACTORY-FAIL ONLY.
PREREQ: PERMISSION OF INSTRUCTOR & PLANNED SUMMER ENROLLMENT IN 495
COURSE RESTRICTED TO ARTGR MAJORS
MEETS INTERNATIONAL PERSPECTIVES REQMT.
8021005 M 6:00-6:50PM

INTERIOR DS EUR SEM
ART 494I 1 CR.
SATISFACTORY-FAIL ONLY.
PREREQ: PERMISSION OF INSTRUCTOR & PLANNED SUMMER ENROLLMENT IN 495
MEETS INTERNATIONAL PERSPECTIVES REQMT.
8022005 M 6:00-6:50PM

ART HIST EUROPE SEM
ART 494N 1 CR.
SATISFACTORY-FAIL ONLY.
PREREQ: PERMISSION OF INSTRUCTOR & PLANNED SUMMER ENROLLMENT IN 495
MEETS INTERNATIONAL PERSPECTIVES REQMT.
8023005 M 6:00-6:50PM

STUDIO INTERNSHIP
ART 497 1-6 CR.
SATISFACTORY-FAIL ONLY.
PREREQ: ADVANCED CLASSIFICATION IN A DEPT CURR, WRITTEN APPROVAL OF SUPERVISING INSTR AND DEPT CHAIR ON REQUIRED FORM IN ADVANCE OF SEMESTER OF ENROLLMENT
INSTRUCTOR PERMISSION REQUIRED, PROCESS APPROVED ADD SLIP IN 10 ALUMNI HALL
9444005 RB ARRANGED

MUSEUM/GALLERY INTERNSHIP
ART 598 1-6 CR.
SATISFACTORY-FAIL ONLY.
PREREQ: GRAD CLASSIFICATION & INSTRUCTOR PERMISSION
WRITTEN APPROVAL IN ADVANCE OF SEMESTER OF ENROLLMENT
9445010 JC ARRANGED
DEPARTMENT PERMISSION REQUIRED, PROCESS APPROVED ADD SLIP IN 10 ALUMNI HALL

STUDIO INTERNSHIP
ART 697 1-9 CR.
PREREQ: GRADUATE CLASSIF & APPROVAL OF DEPT CHAIR
DEPARTMENT PERMISSION REQUIRED, PROCESS APPROVED ADD SLIP IN 10 ALUMNI HALL
8371005 RB ARRANGED

GRAPHIC DSGN ISSUES
ART 698G 1-3 CR.
PREREQ: GRADUATE CLASSIFICATION
COURSE ONLY OFFERED FOR 3 CREDITS SPRING 2005
1837005 T 6:00-9:00PM

THESIS RESEARCH
ART 699A VARIOUS CR.
1949005 ARRANGED
COURSE RESTRICTED TO GRADUATE STUDENTS ONLY

THESIS RES--EXHIBIT
ART 699B VARIOUS CR.
1950005 ARRANGED
COURSE RESTRICTED TO GRADUATE STUDENTS ONLY

ART EDUCATION

INTRO TO ART EDUC
ARTED 211 3 CR.
MATERIALS FEE $50.00
1773005 A1 MW 10:00-12:30
SECTION A1 FOR DESIGN COLLEGE ONLY.
1773010 A2 MW 10:00-12:30
SECTION A2 FOR EL ED, ECE F & ECE E MAJORS ONLY.

ART EDUC PRACTICUM
ARTED 313 1 CR.
PREREQ: CREDIT OR ENROLLMENT IN 211, PERMISSION OF INSTRUCTOR IN ADVANCE OF SEMESTER OF ENROLLMENT
1774005 ARRANGED
INSTRUCTOR PERMISSION REQUIRED, PROCESS APPROVED ADD SLIP IN 10 ALUMNI HALL
ART EDUCATION

INDEPENDENT STUDY AR TED 490 1-3 CR.
PREREQ: WRITTEN APPROVAL OF INSTR AND DEPT CHAIR ON REQUIRED FORM IN ADVANCE OF SEMESTER OF ENROLLMENT
******* SEE DEPT FOR REFERENCE NUMBERS

INDEPENDENT STUDY HONORS AR TED 490H 1-3 CR.
PREREQ: WRITTEN APPROVAL OF INSTR AND DEPT CHAIR ON REQUIRED FORM IN ADVANCE OF SEMESTER OF ENROLLMENT, MEMBERSHIP IN THE HONORS PROGRAM
******* SEE DEPT FOR REFERENCE NUMBERS

TEACHING PRACTICUM AR TED 517 3-6 CR.
PREREQ: 516, ALL COURSES IN THE ART EDUC PROGRAM, ADVANCED REGISTRATION REQUIRED
COURSE RESTRICTED TO GRADUATE ART MAJORS ONLY
PROFESSIONAL SUPPORT FEE $37.50-$75.00
9448005 ARRANGED

TEACHING PRACTICUM AR TED 518 3-6 CR.
PREREQ: 516, ALL COURSES IN THE ART EDUC PROGRAM;
ADVANCED REGISTRATION REQUIRED
COURSE RESTRICTED TO GRADUATE ART MAJORS ONLY
PROFESSIONAL SUPPORT FEE $37.50-$75.00
9449005 ARRANGED

SPECIAL TOPICS AR TED 590 VAR. CR.
PREREQ: BACHELOR’S DEGREE IN ART/DESIGN, OR EVIDENCE OF SATISFACTORY EQUIV IN SPECIALIZED AREA. WRITTEN APPROVAL OF INSTR AND DEPT CHAIR ON REQUIRED FORM IN ADVANCE OF SEM OF ENROLLMT.
******* SEE DEPT FOR REFERENCE NUMBERS

CREATIVE COMPONENT AR TED 599 VAR. CR.
PREREQ: CONCURRENT ENRLMT OR CR IN 517 AND/OR 518
9450010 BC ARRANGED
DEPARTMENT PERMISSION REQUIRED, PROCESS APPROVED ADD SLIP IN 10 ALUMNI HALL
9450005 DD ARRANGED
DEPARTMENT PERMISSION REQUIRED, PROCESS APPROVED ADD SLIP IN 10 ALUMNI HALL

ART HISTORY

HISTORY OF ART II ART H 281 3 CR.
FIELD TRIPS & TRAVEL FEE $0.00-$15.00
MEETS INTERNATIONAL PERSPECTIVES REQMT.
1791005 TR 12:40-2:00

ART OF ISLAM ART H 384X 3 CR.
2613005 MWF 10:00-10:50

RENAISSANCE ART ART H 385 3 CR.
FIELD TRIPS & TRAVEL FEE $0.00-$15.00
AVAILABLE FOR NONMAJOR GRADUATE CREDIT.
INSTRUCTOR PERMISSION REQUIRED 1ST WEEK, PROCESS APPROVED ADD SLIP IN 10 ALUMNI HALL
1827005 TR 9:00-9:50

19TH CENTURY ART ART H 487 3 CR.
FIELD TRIPS & TRAVEL FEE $0.00-$15.00
AVAILABLE FOR NONMAJOR GRADUATE CREDIT.
INSTRUCTOR PERMISSION REQUIRED 1ST WEEK, PROCESS APPROVED ADD SLIP IN 10 ALUMNI HALL
1829005 MW 4:10-5:30

GRAPH DESIGN

GRAPH DSGN STUDIO II ARTGR 271 3 CR.
PREREQ: ART 230, ARTGR 270, 275, ENROLLMT IN 276
COURSE RESTRICTED TO ARTGR MAJORS. STUDENTS ARE PLACED INTO SECTIONS BY THE DEPARTMENT.
MATERIALS AND FIELD TRIPS & TRAVEL FEE $25.00
INSTRUCTOR PERMISSION REQUIRED 1ST WEEK, PROCESS APPROVED ADD SLIP IN 10 ALUMNI HALL
1786005 A MWF 8:00-9:50
1786010 B MWF 8:00-9:50
1786015 C MWF 8:00-9:50
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Hours</th>
<th>Prerequisites</th>
<th>Course Restrictions</th>
</tr>
</thead>
<tbody>
<tr>
<td>ARTGR 276</td>
<td>GRAPHIC TECHNLGY II</td>
<td>2 CR.</td>
<td>PREREQ: 275, ENROLLMENT IN 271</td>
<td>COURSE RESTRICTED TO ARTGR MAJORS ONLY. STUDENTS ARE PLACED INTO SECTIONS BY THE DEPARTMENT.</td>
</tr>
<tr>
<td>ARTGR 371</td>
<td>GRAPH DSN STUDIO IV</td>
<td>3 CR.</td>
<td>PREREQ: 370, 387, ENROLLMENT IN A 2-CREDIT OPTION, CREDIT OR ENROLLMENT IN 388</td>
<td>COURSE RESTRICTED TO ARTGR MAJORS. STUDENTS ARE PLACED INTO SECTIONS BY THE DEPARTMENT.</td>
</tr>
<tr>
<td>ARTGR 372</td>
<td>GR DSN MTRLS&amp;PROCES</td>
<td>2 CR.</td>
<td>PREREQ: CREDIT OR ENROLLMENT IN 371</td>
<td>COURSE RESTRICTED TO ARTGR MAJORS.</td>
</tr>
<tr>
<td>ARTGR 388</td>
<td>GR DSN HIST,CRT II</td>
<td>3 CR.</td>
<td>PREREQ: 387</td>
<td>COURSE RESTRICTED TO ARTGR MAJORS. AVAILABLE FOR NONMAJOR GRADUATE CREDIT.</td>
</tr>
<tr>
<td>ARTGR 471</td>
<td>GRAPH DSN STUDIO VI</td>
<td>3 CR.</td>
<td>PREREQ: 470, ENROLLMENT IN A 2-CREDIT OPTION</td>
<td>COURSE RESTRICTED TO ARTGR MAJORS. ARE PLACED INTO SECTIONS BY THE DEPARTMENT.</td>
</tr>
<tr>
<td>ARTGR 472</td>
<td>TIME BASE MLTIMEDIA</td>
<td>2 CR.</td>
<td>PREREQ: 370</td>
<td>COURSE RESTRICTED TO ARTGR MAJORS.</td>
</tr>
<tr>
<td>ARTGR 475</td>
<td>ADVANCED TYPOGRAPHY</td>
<td>2 CR.</td>
<td>PREREQ: 271, 276, ENROLLMENT IN 370 OR 371 OR 470 OR 471</td>
<td>COURSE RESTRICTED TO ARTGR MAJORS.</td>
</tr>
<tr>
<td>ARTGR 476</td>
<td>GRPHC DSN METHODLG</td>
<td>2 CR.</td>
<td>PREREQ: 271, 276, ENROLLMENT IN 370 OR 371 OR 470 OR 471</td>
<td>COURSE RESTRICTED TO ARTGR MAJORS.</td>
</tr>
<tr>
<td>ARTGR 477</td>
<td>GRAPH DSN PRACTICUM</td>
<td>2 CR.</td>
<td>PREREQ: 370, PORTFOLIO REVIEW AND INSTR PERMISION</td>
<td>COURSE RESTRICTED TO ARTGR MAJORS. MATERIALS AND FIELD TRIPS &amp; TRAVEL FEE $0.00-$10.00</td>
</tr>
<tr>
<td>ARTGR 478</td>
<td>WEB DSN E-COMMERCE</td>
<td>2 CR.</td>
<td>PREREQ: CREDIT OR ENROLLMENT IN 471</td>
<td>COURSE RESTRICTED TO ARTGR MAJORS.</td>
</tr>
<tr>
<td>ARTGR 482</td>
<td>PROFESSNL PRESENTATN</td>
<td>2 CR.</td>
<td>PREREQ: CREDIT OR ENROLLMENT IN 471</td>
<td>COURSE RESTRICTED TO ARTGR MAJORS.</td>
</tr>
<tr>
<td>ARTGR 488</td>
<td>IND ST THEORY, CRIT</td>
<td>1-6 CR.</td>
<td>PREREQ: WRITTEN APPROVAL OF INSTR AND DEPT CHAIR ON REQUIRED FORM IN ADVANCE OF SEMESTER OF ENROLLMENT.</td>
<td></td>
</tr>
<tr>
<td>ARTGR 490</td>
<td>IND STUDY 2-D DESIGN</td>
<td>1-6 CR.</td>
<td>PREREQ: WRITTEN APPROVAL OF INSTR AND DEPT CHAIR ON REQUIRED FORM IN ADVANCE OF SEMESTER OF ENROLLMENT.</td>
<td></td>
</tr>
<tr>
<td>ARTGR 490</td>
<td>IND STUDY 3-D DESIGN</td>
<td>1-6 CR.</td>
<td>PREREQ: WRITTEN APPROVAL OF INSTR AND DEPT CHAIR ON REQUIRED FORM IN ADVANCE OF SEMESTER OF ENROLLMENT.</td>
<td></td>
</tr>
<tr>
<td>ARTGR 492</td>
<td>PUBLCATN DSGN:BOOKS</td>
<td>2 CR.</td>
<td>PREREQ: CREDIT OR ENROLLMENT IN 371</td>
<td>FIELD TRIPS &amp; TRAVEL FEE $5.00</td>
</tr>
<tr>
<td>ARTGR 571</td>
<td>SIGNS,SYMBOLS,IMAGE</td>
<td>3 CR.</td>
<td>PREREQ: 570</td>
<td>INSTRUCTORS PERMISION REQUIRED 1ST WEEK, PROCESS APPROVED ADD SLIP IN 10 ALUMNI HALL</td>
</tr>
<tr>
<td>ARTGR 573</td>
<td>TIME-BASE MLTIMEDIA</td>
<td>2 CR.</td>
<td>PREREQ: GRADUATE ENROLLMENT</td>
<td>COURSE RESTRICTED TO GRADUATE STUDENTS.</td>
</tr>
<tr>
<td>ARTGR 574</td>
<td>INDEP ST HOARS</td>
<td>1-6 CR.</td>
<td>PREREQ: WRITTEN APPROVAL OF INSTR AND DEPT CHAIR ON REQUIRED FORM IN ADVANCE OF SEMESTER OF ENROLLMENT.</td>
<td></td>
</tr>
<tr>
<td>ARTGR 575</td>
<td>MEMBERSHIP IN UNIV HONORS PROGRAM</td>
<td>1-6 CR.</td>
<td>PREREQ: WRITTEN APPROVAL OF INSTR AND DEPT CHAIR ON REQUIRED FORM IN ADVANCE OF SEMESTER OF ENROLLMENT.</td>
<td></td>
</tr>
<tr>
<td>ARTGR 576</td>
<td>SATISFACTORY-FAIL ONLY.</td>
<td></td>
<td>PREREQ: WRITTEN APPROVAL OF INSTR AND DEPT CHAIR ON REQUIRED FORM IN ADVANCE OF SEMESTER OF ENROLLMENT.</td>
<td></td>
</tr>
<tr>
<td>ARTGR 577</td>
<td>PUBLICATN DSGN:BOOKS</td>
<td></td>
<td>PREREQ: CREDIT OR ENROLLMENT IN 371</td>
<td>FIELD TRIPS &amp; TRAVEL FEE $5.00</td>
</tr>
<tr>
<td>ARTGR 578</td>
<td>SIGNS,SYMBOLS,IMAGE</td>
<td></td>
<td>PREREQ: 570</td>
<td>INSTRUCTORS PERMISION REQUIRED 1ST WEEK, PROCESS APPROVED ADD SLIP IN 10 ALUMNI HALL</td>
</tr>
<tr>
<td>ARTGR 579</td>
<td>TIME-BASE MLTIMEDIA</td>
<td></td>
<td>PREREQ: GRADUATE ENROLLMENT</td>
<td>COURSE RESTRICTED TO GRADUATE STUDENTS.</td>
</tr>
</tbody>
</table>

*Note: All courses are restricted to ARTGR majors unless otherwise specified.*
ART: GRAPHIC DESIGN

ADVANCED TYPOGRAPHY  ARTGR 575  2 CR.
PREREQ: GRADUATE ENROLLMENT
RESTRICTED TO GRADUATE STUDENTS
2113005  MW 12:10-2:00

WEB DSGN E-COMMERCE  ARTGR 578  2 CR.
PREREQ: GRADUATE ENROLLMENT
RESTRICTED TO GRADUATE STUDENTS
2121005  MW 3:10-5:00

GRAPHIC DSN HIST II  ARTGR 588  3 CR.
PREREQ: GRAD CLASSIFICATION & INSTRUCTOR PERMISSION
RESTRICTED TO GRADUATE STUDENTS
2113005  MW 12:10-2:00

SPL TOPICS THEORY  ARTGR 590A  VAR. CR.
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
RESTRICTED TO GRADUATE STUDENTS
******  SEE DEPT FOR REFERENCE NUMBERS

SPL TOP 2-DIMEN DSN  ARTGR 590B  VAR. CR.
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.
RESTRICTED TO GRADUATE STUDENTS
******  SEE DEPT FOR REFERENCE NUMBERS

SPL TOP 3-DIMEN DSN  ARTGR 590C  VAR. CR.
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.
RESTRICTED TO GRADUATE STUDENTS
******  SEE DEPT FOR REFERENCE NUMBERS

PUBLCATN DSGN:BOOKS  ARTGR 592  2 CR.
PREREQ: GRADUATE ENROLLMENT
RESTRICTED TO GRADUATE STUDENTS
FIELD TRIPS & TRAVEL FEE $25.00
2158005  MW 6:00-7:50PM

GRPHC DESIGN &HUMAN  ARTGR 672  3 CR.
PREREQ: 570, 571
RESTRICTED TO GRADUATE STUDENTS
INSTRUCTOR PERMISSION REQUIRED 1ST WEEK, PROCESS
APPROVED ADD SLIP IN 10 ALUMNI HALL
8382005  TR 1:10-4:00

ADVANCED TOPICS  ARTGR 690  VAR. CR.
PREREQ: MFA CLASSIFICATION, INSTRUCTOR PERMISSION
RESTRICTED TO GRADUATE STUDENTS
INSTRUCTOR PERMISSION REQUIRED 1ST WEEK, PROCESS
APPROVED ADD SLIP IN 10 ALUMNI HALL
******  SEE DEPT FOR REFERENCE NUMBERS

ART: GRAPHIC DESIGN

RESEARCH: THESIS  ARTGR 699A  VAR. CR.
RESTRICTED TO GRADUATE STUDENTS
MATERIALS FEE $25.00
8382005  ARRANGED

RESEARCH:THESIS EXH  ARTGR 699B  VAR. CR.
RESTRICTED TO GRADUATE STUDENTS
MATERIALS FEE $25.00
8383005  ARRANGED

ART: INTEGRATED STUDIO ARTS

WOOD DESIGN I  ARTIS 220  3 CR.
PREREQ: ART 109, 230
COURSE RESTRICTED TO ART, ARTFA MAJORS.
MATERIALS AND PROFESSIONAL SUPPORT FEE $85.00
INSTRUCTOR PERMISSION REQUIRED 1ST WEEK, PROCESS
APPROVED ADD SLIP IN 10 ALUMNI HALL
1775005  MW 9:00-11:50

CERAMICS I  ARTIS 222  3 CR.
PREREQ: ART 109, 130
MATERIALS AND PROFESSIONAL SUPPORT FEE $85.00
INSTRUCTOR PERMISSION REQUIRED 1ST WEEK, PROCESS
APPROVED ADD SLIP IN 10 ALUMNI HALL
1775005  MW 9:00-11:50

JEWELRY/METALSMITH I  ARTIS 224  3 CR.
PREREQ: ART 109, 130, OR EQUIV; INSTR PERMISSION
MATERIALS AND PROFESSIONAL SUPPORT FEE $85.00
INSTRUCTOR PERMISSION REQUIRED 1ST WEEK, PROCESS
APPROVED ADD SLIP IN 10 ALUMNI HALL
7236005  TR 9:00-11:50

INTRO DIGITAL PHOTO  ARTIS 227X  3 CR.
MATERIALS FEE $25.00
1983005  MW 12:10-3:00

PHOTOGRAPHY I  ARTIS 229  3 CR.
MATERIALS AND PROFESSIONAL SUPPORT FEE $50.00
INSTRUCTOR PERMISSION REQUIRED 1ST WEEK, PROCESS
APPROVED ADD SLIP IN 10 ALUMNI HALL
1778005  A MW 8:00-10:50
SEC A RESTRICTED TO ART, ARTGR, ARTFA, ARTDN, ARTID, BPMI, P BPMI MAJORS
1778010  B MW 8:00-10:50
SEC B RESTRICTED TO ARTGR, ARTFA, ARTDN, ARTID, & BPM I MAJORS
1778015  C MW 2:10-5:00
SEC C RESTRICTED TO COLLEGE OF DESIGN MAJOR
1778020  D MW 2:10-5:00
SEC D RESTRICTED COLLEGE OF DESIGN MAJORS
1778025  E TR 11:00-2:00
SEC E RESTRICTED TO ART, ARTFA, ARTDN, ARTID, BPM I AND P BPMI MAJORS

WATERCOLOR PAINTING  ARTIS 233  3 CR.
PREREQ: ART 230
COURSE RESTRICTED TO BPM I, PBPMI, AND MAJORS IN THE DESIGN COLLEGE
MATERIALS FEE $10.00
INSTRUCTOR PERMISSION REQUIRED 1ST WEEK, PROCESS
APPROVED ADD SLIP IN 10 ALUMNI HALL
1780005  MW 12:10-3:00
## ART: INTEGRATED STUDIO ARTS

### Painting I
- **ARTIS 238** 3 CR.
  - **Prereq:** ART 230
  - **Course Restricted To:** ART, ARTDN, ARTFA, ARTGR, ARTID, BPM I, PBPM I
  - **Professional Support Fee:** $12.00
  - **Instructor Permission Required:** First Week, Process
  - **Approved Add Slip in:** 10 Alumni Hall
  - **Sections:**
    - **7828005** A TR 8:00-10:50
    - **7828100** B TR 12:10-3:00
    - **7828015** C MW 8:00-10:50

### Introduction to Printmaking
- **ARTIS 255X** 3 CR.
  - **Materials Fee:** $110.00
  - **Instructor Permission Required:** First Week, Process
  - **Approved Add Slip in:** 10 Alumni Hall
  - **Section:**
    - **1963005** TR 9:00-11:50

### Foundational Visual Literacy
- **ARTIS 301** 3 CR.
  - **Prereq:** ART 109, 130
  - **Course Restricted To:** ART, ARTDN, ARTFA, ARTGR, ARTID
  - **Section:**
    - **7938005** A Arranged
  - **Course Delivery:** WWW

### Mixed Media
- **ARTIS 305** 3 CR.
  - **Prereq:** 12 Credits in Design and/or Drawing
    - Including ART 109, 130
  - **Course Restricted To:** ART, ARTDN, ARTFA, ARTGR, ARTID
  - **Materials Fee:** $5.00
  - **Instructor Permission Required:** First Week, Process
  - **Approved Add Slip in:** 10 Alumni Hall
  - **Section:**
    - **1771005** TR 11:00-2:00

### Modeling & Virtual Photography
- **ARTIS 308** 3 CR.
  - **Prereq:** ART 230
  - **Course Restricted To:** ART, ARTDN, ARTFA, ARTGR, ARTID
  - **Materials Fee:** $30.00
  - **Section:**
    - **6423005** A MW 10:00-12:50

### Sources Visual Design
- **ARTIS 310** 3 CR.
  - **Prereq:** ART 109, 230
  - **Course Restricted To:** ART, ARTDN, ARTFA, ARTGR, ARTID
  - **Materials and Field Trips & Travel Fee:** $15.00
  - **Section:**
    - **6412005** A TR 2:10-5:00
    - **6412010** B TR 8:00-10:50

### Wood Design II
- **ARTIS 320** 3 CR.
  - **Prereq:** 220
  - **Course Restricted To:** ART, ARTFA Majors
  - **Materials and Professional Support Fee:** $105.00
  - **Instructor Permission Required:** First Week, Process
  - **Approved Add Slip in:** 10 Alumni Hall
  - **Section:**
    - **1798005** MW 1:10-4:00

### Ceramics II
- **ARTIS 322** 3 CR.
  - **Prereq:** 222
  - **Course Restricted To:** ART, ARTFA Majors
  - **Materials and Field Trips & Travel Fee:** $70.00
  - **Instructor Permission Required:** First Week, Process
  - **Approved Add Slip in:** 10 Alumni Hall
  - **Section:**
    - **1799005** MW 1:10-4:00

### Jewelry/Metalsmithing II
- **ARTIS 324** 3 CR.
  - **Prereq:** 224
  - **Course Restricted To:** ARTFA Majors
  - **Materials and Professional Support Fee:** $60.00
  - **Instructor Permission Required:** First Week, Process
  - **Approved Add Slip in:** 10 Alumni Hall
  - **Section:**
    - **7237005** TR 1:10-4:00

### Illustration as Communication
- **ARTIS 327** 3 CR.
  - **Prereq:** 326
  - **Course Restricted To:** ART, ARTFA, ARTGR, BPM I
  - **Materials and Professional Support Fee:** $50.00
  - **Approved Add Slip in:** 10 Alumni Hall
  - **Section:**
    - **1801005** MW 10:00-5:00
    - **1802010** B TR 2:10-5:00

### Drawing III: Life Drawing
- **ARTIS 330** 3 CR.
  - **Prereq:** ART 230
  - **Course Restricted To:** ART, ARTDN, ARTFA, ARTGR, BPM I
  - **Materials and Professional Support Fee:** $40.00
  - **Instructor Permission Required:** First Week, Process
  - **Approved Add Slip in:** 10 Alumni Hall
  - **Section:**
    - **1806005** A MW 2:10-5:00
    - **1806010** B TR 2:10-5:00

### Three-Dimensional Studio
- **ARTIS 335** 2 CR.
  - **Prereq:** 336
  - **Materials and Equipment Use Fee:** $30.00
  - **Instructor Permission Required:** First Week, Process
  - **Approved Add Slip in:** 10 Alumni Hall
  - **Section:**
    - **9104005** TR 3:10-6:00PM

### Biology Illustration Techniques
- **ARTIS 337** 3 CR.
  - **Prereq:** 336
  - **Materials and Equipment Use Fee:** $30.00
  - **Instructor Permission Required:** First Week, Process
  - **Approved Add Slip in:** 10 Alumni Hall
  - **Section:**
    - **1806005** 1 TR 1:10-3:30
    - **1806010** 2 TR 9:00-11:20

### Painting II
- **ARTIS 338** 3 CR.
  - **Prereq:** 238
  - **Course Restricted To:** ART, ARTDN, ARTFA, ARTGR, ARTID, BPM I
  - **Professional Support Fee:** $12.00
  - **Instructor Permission Required:** First Week, Process
  - **Approved Add Slip in:** 10 Alumni Hall
  - **Section:**
    - **1781005** TR 3:10-6:00PM

### Fiber Forms
- **ARTIS 343** 3 CR.
  - **Prereq:** ART 109, 130, Or Equiv; Instr Permission
  - **Materials and Equipment Use Fee:** $30.00
  - **Instructor Permission Required:** First Week, Process
  - **Approved Add Slip in:** 10 Alumni Hall
  - **Section:**
    - **1781005** TR 2:10-5:00

### Printed Fabric Design
- **ARTIS 347** 3 CR.
  - **Prereq:** ART 109, 130, Or Equiv; Instr Permission
  - **Materials and Equipment Use Fee:** $60.00
  - **Instructor Permission Required:** First Week, Process
  - **Approved Add Slip in:** 10 Alumni Hall
  - **Section:**
    - **1809005** TR 11:00-2:00
# ART: INTEGRATED STUDIO ARTS

## Intaglio

**ARTIS 359** 3 CR.  
**PREREQ:** ART 230  
**MATERIALS AND PROFESSIONAL SUPPORT FEE:** $140.00  
**INSTRUCTOR PERMISSION REQUIRED 1ST WEEK,** PROCESS  
**APPROVED ADD SLIP IN 10 ALUMNI HALL**  
1811005 TR 2:10-5:00

## Wood Design III

**ARTIS 420** 3 CR.  
**PREREQ:** 320  
**COURSE RESTRICTED TO ART, ARTFA MAJORS**  
**MATERIALS AND PROFESSIONAL SUPPORT FEE:** $105.00  
**AVAILABLE FOR NONMAJOR GRADUATE CREDIT.**  
**INSTRUCTOR PERMISSION REQUIRED 1ST WEEK,** PROCESS  
**APPROVED ADD SLIP IN 10 ALUMNI HALL**  
1838005 MW 1:10-4:00

## Ceramics III

**ARTIS 422** 3 CR.  
**PREREQ:** 322  
**COURSE RESTRICTED TO ART, ARTFA MAJORS**  
**MATERIALS AND FIELD TRIPS & TRAVEL FEE:** $70.00  
**AVAILABLE FOR NONMAJOR GRADUATE CREDIT.**  
**INSTRUCTOR PERMISSION REQUIRED 1ST WEEK,** PROCESS  
**APPROVED ADD SLIP IN 10 ALUMNI HALL**  
1839005 MW 2:10-5:00

## Jewellery/Metalsmith III

**ARTIS 424** 3 CR.  
**PREREQ:** 324  
**COURSE RESTRICTED TO ART, ARTFA MAJORS**  
**MATERIALS AND PROFESSIONAL SUPPORT FEE:** $60.00  
**AVAILABLE FOR NONMAJOR GRADUATE CREDIT.**  
**INSTRUCTOR PERMISSION REQUIRED 1ST WEEK,** PROCESS  
**APPROVED ADD SLIP IN 10 ALUMNI HALL**  
7250005 TR 1:10-4:00

## Drawing IV

**ARTIS 430** 3 CR.  
**PREREQ:** 330  
**COURSE RESTRICTED TO ART, ARTDN, ARTFA, ARTGR, BPM I MAJORS**  
**PROFESSIONAL SUPPORT FEE:** $5.00  
**AVAILABLE FOR NONMAJOR GRADUATE CREDIT.**  
**INSTRUCTOR PERMISSION REQUIRED 1ST WEEK,** PROCESS  
**APPROVED ADD SLIP IN 10 ALUMNI HALL**  
1841005 A TR 11:00-2:00

## Painting III

**ARTIS 438** 3 CR.  
**PREREQ:** 338  
**COURSE RESTRICTED TO ARTDN, ARTFA, ARTID MAJORS**  
**PROFESSIONAL SUPPORT FEE:** $12.00  
**AVAILABLE FOR NONMAJOR GRADUATE CREDIT.**  
**INSTRUCTOR PERMISSION REQUIRED 1ST WEEK,** PROCESS  
**APPROVED ADD SLIP IN 10 ALUMNI HALL**  
7813005 A TR 3:10-6:00PM

## Indep Study Ceramics

**ARTIS 490B** 1-6 CR.  
**PREREQ:** WRITTEN APPROVAL OF INSTR AND DEPT CHAIR  
**ON REQUIRED FORM IN ADVANCE OF SEMESTER OF ENROLLMENT**  
******* SEE DEPT FOR REFERENCE NUMBERS

## Indep Study Drawing

**ARTIS 490D** 1-6 CR.  
**PREREQ:** WRITTEN APPROVAL OF INSTR AND DEPT CHAIR  
**ON REQUIRED FORM IN ADVANCE OF SEM OF ENROLLMENT**  
**INSTRUCTOR PERMISSION REQUIRED 1ST WEEK,** PROCESS  
**APPROVED ADD SLIP IN 10 ALUMNI HALL**  
******* SEE DEPT FOR REFERENCE NUMBERS

## Indep Study Fibers

**ARTIS 490E** 1-6 CR.  
**PREREQ:** WRITTEN APPROVAL OF INSTR AND DEPT CHAIR  
**ON REQUIRED FORM IN ADVANCE OF SEMESTER OF ENROLLMENT**  
******* SEE DEPT FOR REFERENCE NUMBERS

## Indep Study Illustration

**ARTIS 490F** 1-6 CR.  
**PREREQ:** WRITTEN APPROVAL OF INSTR AND DEPT CHAIR  
**ON REQUIRED FORM IN ADVANCE OF SEMESTER OF ENROLLMENT**  
******* SEE DEPT FOR REFERENCE NUMBERS

## Indep Study Metals

**ARTIS 490G** 1-6 CR.  
**PREREQ:** WRITTEN APPROVAL OF INSTR AND DEPT CHAIR  
**ON REQUIRED FORM IN ADVANCE OF SEMESTER OF ENROLLMENT**  
**MATERIALS AND PROFESSIONAL SUPPORT FEE:** $60.00  
**INSTRUCTOR PERMISSION REQUIRED 1ST WEEK,** PROCESS  
**APPROVED ADD SLIP IN 10 ALUMNI HALL**  
******* SEE DEPT FOR REFERENCE NUMBERS

## Indep Study Honors

**ARTIS 490H** 1-6 CR.  
**PREREQ:** WRITTEN APPROVAL OF INSTR AND DEPT CHAIR  
**ON REQUIRED FORM IN ADVANCE OF SEMESTER OF ENROLLMENT**  
******* SEE DEPT FOR REFERENCE NUMBERS

## Indep Study Photography

**ARTIS 490J** 1-6 CR.  
**PREREQ:** WRITTEN APPROVAL OF INSTR AND DEPT CHAIR  
**ON REQUIRED FORM IN ADVANCE OF SEMESTER OF ENROLLMENT**  
**MATERIALS AND PROFESSIONAL SUPPORT FEE:** $50.00  
******* SEE DEPT FOR REFERENCE NUMBERS

## Indep Study Printmaking

**ARTIS 490K** 1-6 CR.  
**PREREQ:** WRITTEN APPROVAL OF INSTR AND DEPT CHAIR  
**ON REQUIRED FORM IN ADVANCE OF SEMESTER OF ENROLLMENT**  
**MATERIALS AND PROFESSIONAL SUPPORT FEE:** $60.00  
**INSTRUCTOR PERMISSION REQUIRED 1ST WEEK,** PROCESS  
**APPROVED ADD SLIP IN 10 ALUMNI HALL**  
******* SEE DEPT FOR REFERENCE NUMBERS

## Indep Study Wood

**ARTIS 490L** 1-6 CR.  
**PREREQ:** WRITTEN APPROVAL OF INSTR AND DEPT CHAIR  
**ON REQUIRED FORM IN ADVANCE OF SEMESTER OF ENROLLMENT**  
**MATERIALS AND PROFESSIONAL SUPPORT FEE:** $35.00  
**INSTRUCTOR PERMISSION REQUIRED 1ST WEEK,** PROCESS  
**APPROVED ADD SLIP IN 10 ALUMNI HALL**  
******* SEE DEPT FOR REFERENCE NUMBERS
ART: INTEGRATED STUDIO ARTS

IND STD MIXED MEDIA  ARTIS 490M  1-6 CR.
PREREQ: WRITTEN APPROVAL OF INSTR AND DEPT CHAIR
ON REQUIRED FORM IN ADVANCE OF SEMESTER OF
ENROLLMENT
******  SEE DEPT FOR REFERENCE NUMBERS

MIXED MEDIA  ARTIS 505  3 CR.
PREREQ: GRAD CLASSIFICATION, INSTRUCTOR PERMISSION
MATERIALS FEE $5.00
INSTRUCTOR PERMISSION REQUIRED 1ST WEEK, PROCESS
APPROVED ADD SLIP IN 10 ALUMNI HALL
7553005  TR 11:00-2:00

WOOD DESIGN STUDIO  ARTIS 520  3 CR.
PREREQ: GRAD CLASSIFICATION, INSTRUCTOR PERMISSION
MATERIALS AND PROFESSIONAL SUPPORT FEE $105.00
INSTRUCTOR PERMISSION REQUIRED 1ST WEEK, PROCESS
APPROVED ADD SLIP IN 10 ALUMNI HALL
1895005  MW 1:10-4:00

CERAMICS STUDIO  ARTIS 522  3 CR.
PREREQ: GRAD CLASSIFICATION, INSTRUCTOR PERMISSION
MATERIALS AND FIELD TRIPS & TRAVEL FEE $70.00
INSTRUCTOR PERMISSION REQUIRED, PROCESS
APPROVED ADD SLIP IN 10 ALUMNI HALL
1896005  MW 2:10-5:00

JEWEL&DEC METAL STU  ARTIS 524  3 CR.
PREREQ: GRAD CLASSIFICATION, INSTRUCTOR PERMISSION
MATERIALS AND PROFESSIONAL SUPPORT FEE $60.00
INSTRUCTOR PERMISSION REQUIRED 1ST WEEK, PROCESS
APPROVED ADD SLIP IN 10 ALUMNI HALL
7255005  TR 1:10-4:00

DRAWING  ARTIS 530  3 CR.
PREREQ: GRAD CLASSIFICATION, INSTRUCTOR PERMISSION
PROFESSIONAL SUPPORT FEE $5.00
INSTRUCTOR PERMISSION REQUIRED 1ST WEEK, PROCESS
APPROVED ADD SLIP IN 10 ALUMNI HALL
7747005  A TR 11:00-2:00

PAINTING  ARTIS 538  3 CR.
PREREQ: GRAD CLASSIFICATION, INSTRUCTOR PERMISSION
PROFESSIONAL SUPPORT FEE $12.00
INSTRUCTOR PERMISSION REQUIRED 1ST WEEK, PROCESS
APPROVED ADD SLIP IN 10 ALUMNI HALL
7826005  A TR 3:10-6:00PM

INTAGLIO  ARTIS 559  3 CR.
PREREQ: GRAD CLASSIFICATION, INSTRUCTOR PERMISSION
MATERIALS FEE $140.00
INSTRUCTOR PERMISSION REQUIRED 1ST WEEK, PROCESS
APPROVED ADD SLIP IN 10 ALUMNI HALL
7751005  TR 2:10-5:00

SPL TOPICS CERAMICS  ARTIS 590B VAR.  CR.
PREREQ: BACHELOR'S DEGREE IN ART AND/OR DSIGN, OR EVIDENCE OF SATISFACTORY EQUIV IN SPECIALZD 
AREA. WRITTEN APPROVAL OF INSTR AND DEPT CHAIR
ON REQUIRED FORM IN ADVANCE OF SEM OF ENROLLMT.
******  SEE DEPT FOR REFERENCE NUMBERS

SPL TOPICS DRAWING  ARTIS 590D VAR.  CR.
PREREQ: BACHELOR'S DEGREE IN ART AND/OR DSIGN, OR EVIDENCE OF SATISFACTORY EQUIV IN SPECIALZD 
AREA. WRITTEN APPROVAL OF INSTR AND DEPT CHAIR
ON REQUIRED FORM IN ADVANCE OF SEM OF ENROLLMT.
******  SEE DEPT FOR REFERENCE NUMBERS

SPL TOPICS FIBER  ARTIS 590E VAR.  CR.
PREREQ: BACHELOR'S DEGREE IN ART AND/OR DSIGN, OR EVIDENCE OF SATISFACTORY EQUIV IN SPECIALZD 
AREA. WRITTEN APPROVAL OF INSTR AND DEPT CHAIR
ON REQUIRED FORM IN ADVANCE OF SEM OF ENROLLMT.
******  SEE DEPT FOR REFERENCE NUMBERS

SPL TOPICS METALS  ARTIS 590G VAR.  CR.
PREREQ: BACHELOR'S DEGREE IN ART AND/OR DSIGN, OR EVIDENCE OF SATISFACTORY EQUIV IN SPECIALZD 
AREA. WRITTEN APPROVAL OF INSTR AND DEPT CHAIR
ON REQUIRED FORM IN ADVANCE OF SEM OF ENROLLMT.
******  SEE DEPT FOR REFERENCE NUMBERS

SPL TOPICS PAINTING  ARTIS 590I VAR.  CR.
PREREQ: BACHELOR'S DEGREE IN ART AND/OR DSIGN, OR EVIDENCE OF SATISFACTORY EQUIV IN SPECIALZD 
AREA. WRITTEN APPROVAL OF INSTR AND DEPT CHAIR
ON REQUIRED FORM IN ADVANCE OF SEM OF ENROLLMT.
******  SEE DEPT FOR REFERENCE NUMBERS

SPL TOP PHOTOGRAPHY  ARTIS 590J VAR.  CR.
PREREQ: BACHELOR'S DEGREE IN ART AND/OR DSIGN, OR EVIDENCE OF SATISFACTORY EQUIV IN SPECIALZD 
AREA. WRITTEN APPROVAL OF INSTR AND DEPT CHAIR
ON REQUIRED FORM IN ADVANCE OF SEM OF ENROLLMT.
******  SEE DEPT FOR REFERENCE NUMBERS

ART: INTEGRATED STUDIO ARTS

SPL TOP COMPUTR A&D  ARTIS 590C VAR.  CR.
PREREQ: BACHELOR'S DEGREE IN ART AND/OR DSIGN, OR EVIDENCE OF SATISFACTORY EQUIV IN SPECIALZD 
AREA. WRITTEN APPROVAL OF INSTR AND DEPT CHAIR
ON REQUIRED FORM IN ADVANCE OF SEM OF ENROLLMT.
******  SEE DEPT FOR REFERENCE NUMBERS

SPCL TOPICS DRAWING  ARTIS 590D VAR.  CR.
PREREQ: BACHELOR'S DEGREE IN ART AND/OR DSIGN, OR EVIDENCE OF SATISFACTORY EQUIV IN SPECIALZD 
AREA. WRITTEN APPROVAL OF INSTR AND DEPT CHAIR
ON REQUIRED FORM IN ADVANCE OF SEM OF ENROLLMT.
******  SEE DEPT FOR REFERENCE NUMBERS

SPCL TOPICS FIBER  ARTIS 590E VAR.  CR.
PREREQ: BACHELOR'S DEGREE IN ART AND/OR DSIGN, OR EVIDENCE OF SATISFACTORY EQUIV IN SPECIALZD 
AREA. WRITTEN APPROVAL OF INSTR AND DEPT CHAIR
ON REQUIRED FORM IN ADVANCE OF SEM OF ENROLLMT.
******  SEE DEPT FOR REFERENCE NUMBERS

SPCL TOPICS METALS  ARTIS 590G VAR.  CR.
PREREQ: BACHELOR'S DEGREE IN ART AND/OR DSIGN, OR EVIDENCE OF SATISFACTORY EQUIV IN SPECIALZD 
AREA. WRITTEN APPROVAL OF INSTR AND DEPT CHAIR
ON REQUIRED FORM IN ADVANCE OF SEM OF ENROLLMT.
******  SEE DEPT FOR REFERENCE NUMBERS

SPCL TOPICS PAINTING  ARTIS 590I VAR.  CR.
PREREQ: BACHELOR'S DEGREE IN ART AND/OR DSIGN, OR EVIDENCE OF SATISFACTORY EQUIV IN SPECIALZD 
AREA. WRITTEN APPROVAL OF INSTR AND DEPT CHAIR
ON REQUIRED FORM IN ADVANCE OF SEM OF ENROLLMT.
******  SEE DEPT FOR REFERENCE NUMBERS

SPCL TOP PHOTOGRAPHY  ARTIS 590J VAR.  CR.
PREREQ: BACHELOR'S DEGREE IN ART AND/OR DSIGN, OR EVIDENCE OF SATISFACTORY EQUIV IN SPECIALZD 
AREA. WRITTEN APPROVAL OF INSTR AND DEPT CHAIR
ON REQUIRED FORM IN ADVANCE OF SEM OF ENROLLMT.
******  SEE DEPT FOR REFERENCE NUMBERS
ART:INTEGRATED STUDIO ARTS

SPL TOP PRINTMAKING  ARTIS 590K VAR. CR.
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 ENROLLMT. MATERIALS AND PROFESSIONAL SUPPORT FEE $60.00 INSTRUCTOR PERMISSION REQUIRED 1ST WEEK, PROCESS APPROVED ADD SLIP IN 10 ALUMNI HALL

SPECIAL TOPICS WOOD  ARTIS 590L VAR. CR.
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 ENROLLMT. MATERIALS AND PROFESSIONAL SUPPORT FEE $35.00 INSTRUCTOR PERMISSION REQUIRED 1ST WEEK, PROCESS APPROVED ADD SLIP IN 10 ALUMNI HALL

SPL TOP MIXED MEDIA  ARTIS 590M VAR. CR.
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 ENROLLMT. MATERIALS AND PROFESSIONAL SUPPORT FEE $60.00 INSTRUCTOR PERMISSION REQUIRED 1ST WEEK, PROCESS APPROVED ADD SLIP IN 10 ALUMNI HALL

ART:INTERIOR DESIGN

SOPHOMOR FIELD STDY  ARTID 259 R CR.
SATISFACTORY-FAIL ONLY.
PREREQ: ENROLLMENT IN SECOND YEAR STUDIO COURSE COURSE RESTRICTED TO ARTID MAJORS FIELD TRIPS & TRAVEL FEE $225.00

GRPH COM INT DS III  ARTID 263 3 CR.
PREREQ: 261, ENROLLMENT IN 267 COURSE RESTRICTED TO ARTID MAJORS 2177005 A MW 5:30-8:30PM 2177010 B MW 1:10-4:00

INT DSN Design Studio II  ARTID 267 4 CR.
PREREQ: 261, 262, 265, 350 OR ARCH 240, ART H 181, ENROLLMENT IN 351, 355, 263 AND T C 204 COURSE RESTRICTED TO ARTID MAJORS. STUDENTS ARE PLACED INTO SECTIONS BY THE DEPARTMENT. MATERIALS AND FIELD TRIPS & TRAVEL FEE $25.00 INSTRUCTOR PERMISSION REQUIRED 1ST WEEK, PROCESS APPROVED ADD SLIP IN 10 ALUMNI HALL 1714005 A MW 10:00-12:50 W 9:00-9:50 1714010 B MW 10:00-12:50 W 9:00-9:50

INTERIOR SYSTEMS II  ARTID 351 3 CR.
PREREQ: 265, 350 OR ARCH 240 COURSE RESTRICTED TO ARTID MAJORS FIELD TRIPS & TRAVEL FEE $15.00 INSTRUCTOR PERMISSION REQUIRED 1ST WEEK, PROCESS APPROVED ADD SLIP IN 10 ALUMNI HALL 1683005 TR 8:00-9:30PM

INTERIOR SYSTEMS III  ARTID 352 3 CR.
PREREQ: 351, ENROLLMENT IN 365 COURSE RESTRICTED TO ARTID JUNIORS ONLY. MATERIALS FEE $15.00 INSTRUCTOR PERMISSION REQUIRED 1ST WEEK, PROCESS APPROVED ADD SLIP IN 10 ALUMNI HALL 1656005 T 12:10-2:00 R 12:10-2:00

INT DSN Hist/Thy II  ARTID 356 3 CR.
PREREQ: ART H 181 AVAILABLE FOR NONMAJOR GRADUATE CREDIT. INSTRUCTOR PERMISSION REQUIRED 1ST WEEK, PROCESS APPROVED ADD SLIP IN 10 ALUMNI HALL 1845005 TR 9:30-11:00

INT DESIGN STUDIO IV  ARTID 367 4 CR.
PREREQ: 352, 365, CR OR ENROLLMENT IN 356 & 369 COURSE RESTRICTED TO ARTID MAJORS. STUDENTS ARE PLACED INTO SECTIONS BY THE DEPARTMENT. MATERIALS AND FIELD TRIPS & TRAVEL FEE $25.00 INSTRUCTOR PERMISSION REQUIRED 1ST WEEK, PROCESS APPROVED ADD SLIP IN 10 ALUMNI HALL 1817005 A MW 1:10-4:00 W 12:10-1:00 1817010 B MW 1:10-4:00 W 12:10-1:00

I D Internship Semnr  ARTID 369 .5 CR.
SATISFACTORY-FAIL ONLY.
PREREQ: ENROLLMENT IN THIRD-YEAR STUDIO COURSE INSTRUCTOR PERMISSION REQUIRED 1ST WEEK, PROCESS APPROVED ADD SLIP IN 10 ALUMNI HALL 1818005 M 12:10-1:00

INTERIOR SYSTEMS IV  ARTID 453 2 CR.
PREREQ: 352 AND ENROLLMENT IN 467 COURSE RESTRICTED TO ARTID MAJORS 7731005 TR 2:10-4:00

INT DSN Pro Practce  ARTID 461 2 CR.
PREREQ: 460 COURSE RESTRICTED TO ARTID MAJORS FIELD TRIPS & TRAVEL FEE $10.00 INSTRUCTOR PERMISSION REQUIRED 1ST WEEK, PROCESS APPROVED ADD SLIP IN 10 ALUMNI HALL 1847005 W 4:10-6:00PM

HOUSING THE AGING  ARTID 463 3 CR.
FIELD TRIPS & TRAVEL FEE $10.00 MEETS U.S. DIVERSITY REQMT. 1823005 TR 11:00-12:20

STUDIES In INT DSGN  ARTID 464 2- 3 CR.
PREREQ: 12 CREDITS IN DESIGN-RELATED COURSES, PERMISSION OF INSTRUCTOR COURSE ONLY OFFERED FOR 3 CREDITS SPRING 2005. COURSE RESTRICTED TO ARTID MAJORS FIELD TRIPS & TRAVEL FEE $0.00-$200.00 AVAILABLE FOR NONMAJOR GRADUATE CREDIT. 1850005 MW 9:30-10:50 ARRANGED INSTRUCTOR PERMISSION REQUIRED 1ST WEEK, PROCESS APPROVED ADD SLIP IN 10 ALUMNI HALL
**ART: INTERIOR DESIGN**

**INT DESIGN STUDIO VI**  ARTID 467  4 CR.
PREREQ: 465, CR OR ENROLLMENT IN 464 & ALL REQ'D INTERIOR SYSTEMS AND HIST/THEORY/CRITICISM COURSES
COURSE RESTRICTED TO ARTID MAJORS. STUDENTS ARE PLACED INTO SECTIONS BY THE DEPARTMENT.
INSTRUCTOR PERMISSION REQUIRED 1ST WEEK, PROCESS APPROVED ADD SLIP IN 10 ALUMNI HALL
1852005  A  W 12:10-1:00
1852010  B  WF 12:10-1:00

**INT DSN URBAN SETTING**  ARTID 468X  2 CR.
PREREQ: CREDIT OR CLASSIFICATION IN THIRD YEAR STUDIO
FIELD TRIPS & TRAVEL FEE $550.00
8412005  MW 4:10-5:00

**INDEPENDENT STUDY**  ARTID 490  1-6 CR.
PREREQ: WRITTEN APPROVAL OF INSTR AND DEPT CHAIR ON REQUIRED FORM IN ADVANCE OF SEMESTER OF ENROLLMENT
****** SEE DEPT FOR REFERENCE NUMBERS

**INDEP STUDY HONORS**  ARTID 490H  1-6 CR.
PREREQ: WRITTEN APPROVAL OF INSTR AND DEPT CHAIR ON REQUIRED FORM IN ADVANCE OF SEMESTER OF ENROLLMENT
MEMBERSHIP IN UNIV HONORS PROGRAM
****** SEE DEPT FOR REFERENCE NUMBERS

**STUDIES IN INT DSGN**  ARTID 564  2-3 CR.
PREREQ: GRAD CLASSIFICATION, INSTRUCTOR PERMISSION
7179005  MW 9:30-10:50
ARRANGED
INSTRUCTOR PERMISSION REQUIRED 1ST WEEK, PROCESS APPROVED ADD SLIP IN 10 ALUMNI HALL

**SPECIAL TOPICS**  ARTID 590  VAR. CR.
PREREQ: BACHELOR'S DEGREE IN INTERIOR DSGN OR EVIDENCE OF SATISFACTORY EQUIV IN SPECIALIZED AREA. WRITTEN APPROVAL OF INSTR & DEPT CHAIR ON REQUIRED FORM IN ADVANCE OF SEM OF ENROLLMT.
****** SEE DEPT FOR REFERENCE NUMBERS

**RESEARCH METHODS**  ARTID 660  3 CR.
PREREQ: PERMISSION OF INSTRUCTOR
2067005  MW 2:10-3:30

**ADVANCED TOPICS**  ARTID 690  VAR. CR.
PREREQ: MFA CLASSIFICATION, PERMISSION OF INSTR
****** SEE DEPT FOR REFERENCE NUMBERS

**RESEARCH: THESIS**  ARTID 699A  VAR. CR.
MATERIALS FEE $5.00
8389005  ARRANGED

**RESEARCH: THESIS-EXH**  ARTID 699B  VAR. CR.
MATERIALS FEE $5.00
8390005  ARRANGED

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**ASTRONOMY & ASTROPHYSICS**

**EXPLORING SKY & EARTH**  ASTRO 102X  1 CR.
SATISFACTORY-FAIL ONLY.
CREDIT FOR ONLY TWO OF THE FOLLOWING COURSES MAY BE APPLIED TOWARD GRADUATION: ASTRO 102X, ASTRO 103X, ASTRO 120
8059005  ARRANGED
COURSE DELIVERY IS WWW

**EVENING STAR**  ASTRO 103X  1 CR.
SATISFACTORY-FAIL ONLY.
CREDIT FOR ONLY TWO OF THE FOLLOWING COURSES MAY BE APPLIED TOWARD GRADUATION: ASTRO 102X, ASTRO 103X, ASTRO 120
8042005  ARRANGED
COURSE DELIVERY IS WWW

**SKY & SOLAR SYSTEM**  ASTRO 120  3 CR.
NIGHT EXAMINATIONS SCHEDULED.
2-PART COURSE. REGISTER FOR NUMBERED SECTION FIRST AND THEN LETTERED SECTION. STUDENTS WHO DON'T REGISTER FOR BOTH PARTS OF THE COURSE WILL BE DROPPED FROM THE COURSE DUE TO INCOMPLETE REGISTRATION.
CREDIT FOR ONLY TWO OF THE FOLLOWING COURSES MAY BE APPLIED TOWARD GRADUATION: ASTRO 102X, 103X, 120.

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<tbody>
<tr>
<td>1951005</td>
<td>F</td>
<td>8:00-8:50</td>
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<tr>
<td>1951010</td>
<td>F</td>
<td>9:00-9:50</td>
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**SKY & SOLAR SYST LAB**  ASTRO 125L  1 CR.
PREREQ: CONCURRENT OR PREVIOUS ENROLLMENT IN 120
2522005  A M 8:00-9:50PM
2522010  B T 8:00-9:50PM
2522015  C W 8:00-9:50PM
2522020  D R 8:00-9:50PM

**STARS, GALAXIES & COSM**  ASTRO 150  3 CR.

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ASTRONOMY & ASTROPHYSICS

STARS, GALAXIES & COSMOS
ASTRO 150
3 CR.
1952040 8 TR 1:10-2:00
1952045 9 TR 1:10-2:00
1952050 10 TR 1:10-2:00
1952055 11 TR 1:10-2:00

INDEPENDENT STUDY
ASTRO 290
1-4 CR.
PREREQ: PERMISSION OF INSTRUCTOR
****** SEE DEPT FOR REFERENCE NUMBERS

INTRO TO ASTROPHYSICS
ASTRO 346
3 CR.
PREREQ: PHYS 222
AVAILABLE FOR NONMAJOR GRADUATE CREDIT.
8740005  MWF 1:10-2:00

INDEPENDENT STUDY
ASTRO 490
1-4 CR.
PREREQ: PERMISSION OF INSTRUCTOR
****** SEE DEPT FOR REFERENCE NUMBERS

HONORS INDEPENDENT STUDY
ASTRO 490H
1-4 CR.
PREREQ: PERMISSION OF INSTRUCTOR, MEMBERSHIP IN THE HONORS PROGRAM
NO MORE THAN 9 CREDITS OF ASTRO 490 MAY BE APPLIED TOWARD GRADUATION
****** SEE DEPT FOR REFERENCE NUMBERS

OBSERVATION ASTROPHYSICS
ASTRO 510
3 CR.
PREREQ: 405 OR 505
1962005 ARRANGED

STELLAR STRUCT & EVOL
ASTRO 580
3 CR.
PREREQ: 405 OR 505
1966005 ARRANGED

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

CREATIVE COMPONENT
ASTRO 599
VAR. CR.
PREREQ: PERMISSION OF INSTRUCTOR
****** SEE DEPT FOR REFERENCE NUMBERS

GALACTIC & EXTRAGALACTIC
ASTRO 615
3 CR.
PREREQ: 405 OR 505
1969005 ARRANGED

ATHLETICS

INTERCOLLEGIATE BASKETBALL
ATH 101B
1 CR.
SATISFACTORY-FAIL ONLY.
PREREQ: PERMISSION OF HEAD COACH
MEN. NO MORE THAN 4 CREDITS OF ATH 101 MAY BE APPLIED TOWARD GRADUATION.
CREDIT IN ATH 101 MAY NOT BE APPLIED TOWARD GRADUATION IF CREDIT IS RECEIVED FOR SKILL
TECHNIQUE COURSE IN THE SAME SPORT OR EX SP/P E 166 OR 167.
INSTRUCTOR PERMISSION REQUIRED, PROCESS APPROVED ADD SLIP IN 10 ALUMNI HALL
1975005 ARRANGED

INTERCOLLEGIATE GOLF
ATH 101G
1 CR.
SATISFACTORY-FAIL ONLY.
PREREQ: PERMISSION OF HEAD COACH
MEN. NO MORE THAN 4 CREDITS OF ATH 101 MAY BE APPLIED TOWARD GRADUATION.
CREDIT IN ATH 101 MAY NOT BE APPLIED TOWARD GRADUATION IF CREDIT IS RECEIVED FOR SKILL
TECHNIQUE COURSE IN THE SAME SPORT OR EX SP/P E 166 OR 167.
INSTRUCTOR PERMISSION REQUIRED, PROCESS APPROVED ADD SLIP IN 10 ALUMNI HALL
1973005 ARRANGED

INTERCOLLEGIATE GYMNASICS
ATH 101J
1 CR.
SATISFACTORY-FAIL ONLY.
PREREQ: PERMISSION OF HEAD COACH
WOMEN. NO MORE THAN 4 CREDITS OF ATH 101 MAY BE APPLIED TOWARD GRADUATION.
CREDIT IN ATH 101 MAY NOT BE APPLIED TOWARD GRADUATION IF CREDIT IS RECEIVED FOR SKILL
TECHNIQUE COURSE IN THE SAME SPORT OR EX SP/P E 166 OR 167.
INSTRUCTOR PERMISSION REQUIRED, PROCESS APPROVED ADD SLIP IN 10 ALUMNI HALL
1981005 ARRANGED
ATHLETICS

INTERCOLL SOFTBALL ATH 101K 1 CR.
SATISFACTORY-FAIL ONLY.
PREREQ: PERMISSION OF HEAD COACH
WOMEN. NO MORE THAN 4 CREDITS OF ATH 101 MAY BE
APPLIED TOWARD GRADUATION. CREDIT IN ATH 101 MAY NOT
BE APPLIED TOWARD GRADUATION IF CREDIT IS RECEIVED
FOR SKILL TECHNIQUE COURSE IN THE SAME SPORT OR
EX SP/P E 166 OR 167.
INSTRUCTOR PERMISSION REQUIRED, PROCESS
APPROVED ADD SLIP IN 10 ALUMNI HALL
1982005 ARRANGED

INTERCOLL SWIMMING ATH 101M 1 CR.
SATISFACTORY-FAIL ONLY.
PREREQ: PERMISSION OF HEAD COACH
WOMEN. NO MORE THAN 4 CREDITS OF ATH 101 MAY BE
APPLIED TOWARD GRADUATION. CREDIT IN ATH 101 MAY NOT
BE APPLIED TOWARD GRADUATION IF CREDIT IS RECEIVED
FOR SKILL TECHNIQUE COURSE IN THE SAME SPORT OR
EX SP/P E 166 OR 167.
INSTRUCTOR PERMISSION REQUIRED, PROCESS
APPROVED ADD SLIP IN 10 ALUMNI HALL
1984005 ARRANGED

INTERCOLLEGIATE TENNIS ATH 101O 1 CR.
SATISFACTORY-FAIL ONLY.
PREREQ: PERMISSION OF HEAD COACH
WOMEN. NO MORE THAN 4 CREDITS OF ATH 101 MAY BE
APPLIED TOWARD GRADUATION. CREDIT IN ATH 101 MAY NOT
BE APPLIED TOWARD GRADUATION IF CREDIT IS RECEIVED
FOR SKILL TECHNIQUE COURSE IN THE SAME SPORT OR
EX SP/P E 166 OR 167.
INSTRUCTOR PERMISSION REQUIRED, PROCESS
APPROVED ADD SLIP IN 10 ALUMNI HALL
1986005 ARRANGED

INTERCOLLEGIATE TRACK ATH 101P 1 CR.
SATISFACTORY-FAIL ONLY.
PREREQ: PERMISSION OF HEAD COACH
MEN. NO MORE THAN 4 CREDITS OF ATH 101 MAY BE
APPLIED TOWARD GRADUATION. CREDIT IN ATH 101 MAY NOT
BE APPLIED TOWARD GRADUATION IF CREDIT IS RECEIVED
FOR SKILL TECHNIQUE COURSE IN THE SAME SPORT OR
EX SP/P E 166 OR 167.
INSTRUCTOR PERMISSION REQUIRED, PROCESS
APPROVED ADD SLIP IN 10 ALUMNI HALL
1987005 ARRANGED

INTERCOLLEGIATE TRACK ATH 101Q 1 CR.
SATISFACTORY-FAIL ONLY.
PREREQ: PERMISSION OF HEAD COACH
WOMEN. NO MORE THAN 4 CREDITS OF ATH 101 MAY BE
APPLIED TOWARD GRADUATION. CREDIT IN ATH 101 MAY NOT
BE APPLIED TOWARD GRADUATION IF CREDIT IS RECEIVED
FOR SKILL TECHNIQUE COURSE IN THE SAME SPORT OR
EX SP/P E 166 OR 167.
INSTRUCTOR PERMISSION REQUIRED, PROCESS
APPROVED ADD SLIP IN 10 ALUMNI HALL
1988005 ARRANGED

ATHLETICS

INTERCOLLEGIATE WRESTLING ATH 101S 1 CR.
SATISFACTORY-FAIL ONLY.
PREREQ: PERMISSION OF HEAD COACH
MEN. NO MORE THAN 4 CREDITS OF ATH 101 MAY BE
APPLIED TOWARD GRADUATION. CREDIT IN ATH 101 MAY NOT
BE APPLIED TOWARD GRADUATION IF CREDIT IS RECEIVED
FOR SKILL TECHNIQUE COURSE IN THE SAME SPORT OR
EX SP/P E 166 OR 167.
INSTRUCTOR PERMISSION REQUIRED, PROCESS
APPROVED ADD SLIP IN 10 ALUMNI HALL
1990005 ARRANGED

INTERCOLLEGIATE GOLF ATH 101T 1 CR.
SATISFACTORY-FAIL ONLY.
PREREQ: PERMISSION OF HEAD COACH
WOMEN. NO MORE THAN 4 CREDITS OF ATH 101 MAY BE
APPLIED TOWARD GRADUATION. CREDIT IN ATH 101 MAY NOT
BE APPLIED TOWARD GRADUATION IF CREDIT IS RECEIVED
FOR SKILL TECHNIQUE COURSE IN THE SAME SPORT OR
EX SP/P E 166 OR 167.
INSTRUCTOR PERMISSION REQUIRED, PROCESS
APPROVED ADD SLIP IN 10 ALUMNI HALL
1991005 ARRANGED

BIOCHEM, BIOPHYSICS & MOLECULAR BIO

INTRO BIOCHEMISTRY BBMB 102 1 CR.
PREREQ: CREDIT OR ENROLLMENT IN CHEM 177 AND 177L
ENROLLMENT IN THIS COURSE WILL CAUSE A TIME
CONFLICT MESSAGE. IGNORE CONFLICTS BUILT INTO THE
SECTION MEETING TIME. LECTURE AND LAB DO NOT MEET
DURING THE SAME WEEK.
MATERIALS FEE $10.00
1997005 A F 2:10-3:00 MACINTOSH G
F 1:10-3:00 MACINTOSH G
1997010 B F 2:10-3:00 MACINTOSH G
F 2:10-4:00 MACINTOSH G

BIOCHEMICAL PROCESSES BBMB 221 3 CR.
PREREQ: CHEM 163, 167, OR 177
CREDIT FOR EITHER BBMB 221 OR CHEM 231, BUT NOT
BOTH, MAY BE APPLIED TOWARD GRADUATION. BIOCHEMISTRY
AND BIOPHYSICS MAJORS MAY NOT COUNT CREDIT FOR
BBMB 221 TOWARD THE MAJOR BUT IT IS ACCEPTABLE AS AN
ELECTIVE.
1998005 MWF 9:00-9:50 HUIATT T

SURVEY OF BIOCHEM BBMB 301 3 CR.
PREREQ: CHEM 231 OR 331
BIOCHEMISTRY AND BIOPHYSICS MAJORS MAY NOT
APPLY CREDIT FOR BBMB 301 TOWARD DEGREE REQUIREMENTS
FOR THE MAJOR BUT IT IS ACCEPTABLE AS AN ELECTIVE.
1999005 MWF 12:10-1:00 ROBYT J

SURVEY OF BIOCHEM LAB BBMB 301 2 CR.
PREREQ: CREDIT OR ENROLLMENT IN 301 OR BIOL 302
CREDIT FOR EITHER BBMB 311 OR BIOL 302L, BUT NOT
BOTH, MAY BE APPLIED TOWARD GRADUATION. BIOCHEMISTRY
AND BIOPHYSICS MAJORS MAY NOT COUNT CREDIT FOR
BBMB 311 TOWARD THE MAJOR BUT IS IS ACCEPTABLE AS AN
ELECTIVE.
MATERIALS FEE $10.00
BIOCHEM, BIOPHYSICS & MOLECULAR BIO

2000005  A T 8:00-8:50  NIKOLAU B
         T 9:00-11:50  NIKOLAU B
2000010  B T 8:00-8:50
         R 9:00-11:50PM

BIOCHEMISTRY II  BBMB 405  3 CR.
PREREQ: 404
CREDIT FOR EITHER BBMB 420 OR THE BBMB 404,405
SEQUENCE, BUT NOT BOTH, MAY BE COUNTED TOWARD
GRADUATION
AVAILABLE FOR NONMAJOR GRADUATE CREDIT.
2030005  MWF 11:00-11:50  BEITZ D

TOPICS IN BIOPHYSICS  BBMB 461  2 CR.
PREREQ: 451 OR CHEM 321 OR PHYS 304
AVAILABLE FOR NONMAJOR GRADUATE CREDIT.
2007005  TR 11:00-11:50  ANDREOTTI A

INDEPENDENT STUDY  BBMB 490  VAR. CR.
PREREQ: INSTRUCTOR PERMISSION; COLLEGE OF
AGRICULTURE; JUNIOR OR SENIOR CLASSIFICATION
NO MORE THAN 9 CREDITS OF BBMB/B B 490 MAY BE
COUNTED TOWARD GRADUATION
*******  SEE DEPT FOR REFERENCE NUMBERS

INDEP STUDY HONORS  BBMB 490H  VAR. CR.
PREREQ: MEMBERSHIP IN UNIV HONORS PROGRAM
INSTRUCTOR PERMISSION; COLLEGE OF AGRICULTURE;
JUNIOR OR SENIOR CLASSIFICATION
NO MORE THAN 9 CREDITS OF BBMB/B B 490 MAY BE
COUNTED TOWARD GRADUATION
*******  SEE DEPT FOR REFERENCE NUMBERS

UNDERGRAD RESEARCH  BBMB 499  1-5 CR.
PREREQ: PERMISSION OF STAFF MEMBER WITH WHOM
STUDENT PROPOSES TO WORK
*******  SEE DEPT FOR REFERENCE NUMBERS

COMPRHNS BIOCHEM II  BBMB 502  4 CR.
PREREQ: 501
2011005  MTRF 1:10-2:00  CULVER G

BIOINORGANIC CHEM  BBMB 503  2 CR.
PREREQ: CHEM 402 OR BBMB 405
2012005  TR 9:30-10:20  KOSTIC N
SECTION INFO:
http://avogadro.chem.iastate.edu/chem503/  
SYLLABUS:
http://avogadro.chem.iastate.edu/chem503/syllabus

INTRO DNA TECHNIQS  BBMB 542A  1 CR.
SATISFACTORY-FAIL ONLY.
PREREQ: GRADUATE CLASSIFICATION
7099005  TR 1:10-2:00
         TR 2:10-4:00
         JAN 11-FEB 10

INTR PROTEIN TECHNQ  BBMB 542B  1 CR.
SATISFACTORY-FAIL ONLY.
PREREQ: GRADUATE CLASSIFICATION
7100005  TR 1:10-2:00
         TR 2:10-4:00
         FEB 15-MARCH 24

BIOCHEM, BIOPHYSICS & MOLECULAR BIO

INTRO CELL TECHNIQS  BBMB 542C  1 CR.
SATISFACTORY-FAIL ONLY.
PREREQ: GRADUATE CLASSIFICATION
7101005  TR 1:10-2:00
         TR 2:10-4:00
         MARCH 29-APRIL 28

INTR PLNT TRNSFM TQ  BBMB 542D  1 CR.
SATISFACTORY-FAIL ONLY.
PREREQ: GRADUATE CLASSIFICATION
7104005  ARRANGED
         FEB 9-APRIL 20

BIOMOL NMR SPECTRYP  BBMB 552X  2 CR.
8146005  TR 11:00-11:50

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

WORKSHOP  BBMB 593  1 CR.
PREREQ: PERMISSION OF INSTRUCTOR
4853005  ARRANGED
WORKSHOP FEE APPLIES

KINETICS OF ENZYME  BBMB 632  1-2 CR.
PREREQ: 501
2025005  TR 10:00-10:50  FROMM H

HORMON &GROWTH FACT  BBMB 645  2 CR.
PREREQ: 420, 405, OR 502
2028005  TR 11:00-11:50  NILSEN-HAMILTON

PROT CHEM-CHEM MTHD  BBMB 652  1 CR.
PREREQ: 404 OR 501
2030005  TR 9:00-9:50  HARGROVE M
         JAN 10-MARCH 4

PROT CHEM-PHYS MTHD  BBMB 653  1 CR.
PREREQ: 404 OR 501
2031005  TR 9:00-9:50  ANDREOTTI A
         MARCH 7-MAY 6

ADVANCED SEMINAR  BBMB 681  1 CR.
PREREQ: PERMISSION OF INSTRUCTOR
2034005  T 4:10-6:00PM  FROMM H

DEPARTMENT SEMINAR  BBMB 682  R CR.
PREREQ: PERMISSION OF INSTRUCTOR
2035005  R 4:10-6:00PM  THORNBURG R

SEM PLT PHYSL,MOLEC  BBMB 696  1 CR.
7752005  W 4:10-5:00

SEMINAR IN MCDB  BBMB 698  1-2 CR.
COURSE OFFERED FOR 1 CREDIT ONLY SPRING 2005.
2037005  M 3:10-5:00

RESEARCH  BBMB 699  VAR. CR.
PREREQ: PERMISSION OF INSTRUCTOR
*******  SEE DEPT FOR REFERENCE NUMBERS
# Spring 2005

## Biology

### Environmtl Biology (BIOL 123) 3 CR.
This course does not count toward credits required in a Biology major.

- **Course Delivery:** WWW
- **Section Info:** [http://project.bio.iastate.edu/](http://project.bio.iastate.edu/)

### BIOL of Common Meds (BIOL 133X) 3 CR.

#### Course Details:
- **Prerequisites:** High School Biology and Chemistry or credit or enrollment in Chem 163 or 177.
- **Materials and Equipment Use Fee:** $35.00

#### Section Information:
- **T 1:** MWF 10:00-10:50
- **T 2:** TR 9:30-10:50
- **T 3:** T 12:10-3:00
- **T 4:** T 3:10-6:00 PM
- **T 5:** T 6:00-8:50 PM
- **T 6:** W 9:00-11:50
- **T 7:** W 12:10-3:00
- **T 8:** W 3:10-6:00 PM
- **T 9:** W 6:00-8:50 PM
- **T 10:** R 9:00-11:50
- **T 11:** R 12:10-3:00
- **T 12:** R 3:10-6:00 PM
- **T 13:** R 6:00-8:50 PM
- **T 14:** R 9:00-11:50
- **T 15:** R 12:10-3:00
- **T 16:** R 3:10-6:00 PM
- **T 17:** R 6:00-8:50 PM
- **T 18:** R 9:00-11:50
- **T 19:** R 12:10-3:00
- **T 20:** R 3:10-6:00 PM

### Principles of Biology I (BIOL 201) 3 CR.
- **Prerequisites:** High School Biology and Chemistry or credit or enrollment in Chem 163 or 177.
- **Materials and Equipment Use Fee:** $35.00

#### Section Information:
- **T 1:** MWF 1:10-2:00
- **T 2:** TR 12:10-2:00
- **T 3:** MWF 3:10-4:00
- **T 4:** Arranged

### Principles of Biology Lab I (BIOL 201L) 1 CR.
- **Prerequisites:** Credit or enrollment in 201.
- **Materials and Equipment Use Fee:** $35.00

#### Section Information:
- **T 1:** MWF 10:00-10:50
- **T 2:** TR 9:30-10:50
- **T 3:** W 12:10-3:00
- **T 4:** W 3:10-6:00 PM
- **T 5:** W 6:00-8:50 PM
- **T 6:** M 3:10-6:00 PM
- **T 7:** M 6:00-8:50 PM
- **T 8:** M 9:00-11:50
- **T 9:** M 12:10-3:00
- **T 10:** M 3:10-6:00 PM
- **T 11:** M 6:00-8:50 PM
- **T 12:** M 9:00-11:50
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- **T 14:** M 3:10-6:00 PM
- **T 15:** M 6:00-8:50 PM
- **T 16:** M 9:00-11:50
- **T 17:** M 12:10-3:00
- **T 18:** M 3:10-6:00 PM
- **T 19:** M 6:00-8:50 PM
- **T 20:** M 9:00-11:50

### Principles of Genetics (BIOL 301) 3 CR.
- **Prerequisites:** BIOL 201L, 202L, credit or enrollment in organic chemistry.

#### Section Information:
- **T 1:** MWF 1:10-2:00
- **T 2:** MWF 3:10-4:00
- **T 3:** TR 12:40-2:00
- **T 4:** Arranged

### Principles of Genetics Laboratory (BIOL 301L) 1 CR.
- **Prerequisites:** Credit or enrollment in 301.
- **Materials Fee:** $40.00

#### Section Information:
- **T 1:** T 9:00-9:50
- **T 2:** T 10:00-11:50
- **T 3:** T 1:10-2:00
- **T 4:** T 2:10-4:00
- **T 5:** T 6:00-6:50 PM
- **T 6:** T 7:00-8:50 PM
- **T 7:** T 3:10-4:00
- **T 8:** T 4:10-6:00 PM
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- **T 13:** T 11:00-11:50
- **T 14:** T 12:10-2:00
- **T 15:** W 11:00-11:50
- **T 16:** W 12:10-2:00
- **T 17:** W 3:10-4:00
- **T 18:** W 4:10-6:00 PM
- **T 19:** W 5:00-6:50 PM
- **T 20:** W 7:00-8:50 PM

### Principles of Molecular Cell Biology (BIOL 302) 3 CR.
- **Prerequisites:** 301

#### Section Information:
- **T 1:** MWF 2:10-3:00
- **T 2:** MWF 3:10-4:00
- **T 3:** MWF 4:10-5:00
- **T 4:** MWF 5:00-6:00 PM
- **T 5:** MWF 6:00-7:00 PM
- **T 6:** MWF 7:00-8:00 PM
- **T 7:** MWF 8:00-9:00 PM
- **T 8:** MWF 9:00-10:00 PM
- **T 9:** MWF 10:00-11:00 PM
- **T 10:** MWF 11:00-12:00 PM
- **T 11:** MWF 12:00-1:00 PM
- **T 12:** MWF 1:00-2:00 PM
- **T 13:** MWF 2:00-3:00 PM
- **T 14:** MWF 3:00-4:00 PM
- **T 15:** MWF 4:00-5:00 PM
- **T 16:** MWF 5:00-6:00 PM
- **T 17:** MWF 6:00-7:00 PM
- **T 18:** MWF 7:00-8:00 PM
- **T 19:** MWF 8:00-9:00 PM
- **T 20:** MWF 9:00-10:00 PM

### Biological Evolution (BIOL 303) 3 CR.
- **Prerequisites:** 301

#### Section Information:
- **T 1:** MWF 12:10-1:00
- **T 2:** MWF 1:00-2:00
- **T 3:** MWF 2:00-3:00
- **T 4:** MWF 3:00-4:00
- **T 5:** MWF 4:00-5:00
- **T 6:** MWF 5:00-6:00 PM
- **T 7:** MWF 6:00-7:00 PM
- **T 8:** MWF 7:00-8:00 PM
- **T 9:** MWF 8:00-9:00 PM
- **T 10:** MWF 9:00-10:00 PM
- **T 11:** MWF 10:00-11:00 PM
- **T 12:** MWF 11:00-12:00 PM
- **T 13:** MWF 12:00-1:00 PM
- **T 14:** MWF 1:00-2:00 PM
- **T 15:** MWF 2:00-3:00 PM
- **T 16:** MWF 3:00-4:00 PM
- **T 17:** MWF 4:00-5:00 PM
- **T 18:** MWF 5:00-6:00 PM
- **T 19:** MWF 6:00-7:00 PM
- **T 20:** MWF 7:00-8:00 PM
BIOLOGY

INSECTS & OUR HEALTH BIOL 374 3 CR.
PREREQ: 3 CR IN BIOLOGICAL SCIENCES
MEETS INTERNATIONAL PERSPECTIVES REQMT.
AVAILABLE FOR NONMAJOR GRADUATE CREDIT.
2071005 A MWF 2:10-3:00

INTL FIELD TRIP SEM BIOL 394A 1 CR.
SATISFACTORY-FAIL ONLY.
PREREQ: TWO COURSES IN THE BIOLOGICAL SCIENCES
AND BY APPROVAL OF APPLICATION
MEETS INTERNATIONAL PERSPECTIVES REQMT.
3167015 IN ARRANGED
HONDURAS MARINE BIOLOGY
INSTRUCTOR PERMISSION REQUIRED, PROCESS
APPROVED ADD SLIP IN 10 ALUMNI HALL

COOPERATIVE EDUC BIOL 398 R CR.
PREREQ: PERMISSION OF THE DEPARTMENT COOPERATIVE
EDUCATION COORDINATOR, JUNIOR CLASSIFICATION
4546005 ARRANGED

DEVELOPMENTAL BIOL BIOL 433 3 CR.
2607005 MWF 12:10-1:00
SECTION INFO:
http://www.public.iastate.edu/~devel-biol/hom

DEVELOPMENTAL LAB BIOL 433L 1 CR.
PREREQ: CREDIT OR ENROLLMENT IN 433
MATERIALS FEE $40.00
8171005 1 T 12:10-3:00
8171010 2 R 12:10-3:00

IND STD BIOL RESRCH BIOL 490R 1- 6 CR.
PREREQ: 8 CR IN BIOL & PERMISSION OF INSTRUCTOR
NO MORE THAN 9 CREDITS IN BIOL 490 MAY BE APPLIED
TOWARD GRADUATION AND OF THOSE ONLY 6 CREDITS MAY BE
APPLIED TO THE MAJOR
******* SEE DEPT FOR REFERENCE NUMBERS

INDEPENDENT STUDY Tchg BIOL 490U 1- 2 CR.
SATISFACTORY-FAIL ONLY.
PREREQ: 8 CR IN BIOL & PERMISSION OF INSTRUCTOR
NO MORE THAN 9 CREDITS IN BIOL 490 MAY BE APPLIED
TOWARD GRADUATION AND OF THOSE ONLY 6 CREDITS MAY BE
APPLIED TO THE MAJOR
******* SEE DEPT FOR REFERENCE NUMBERS

BIOLOGY INTERNSHIP BIOL 494 1- 3 CR.
PREREQ: 8 CREDITS IN BIOLOGY, INSTRUCTOR PERMISSION
REQUIRED, PROCESS
APPROVED ADD SLIP IN 10 ALUMNI HALL
******* SEE DEPT FOR REFERENCE NUMBERS

UNDERGRAD SEMINAR BIOL 495 1 CR.
SATISFACTORY-FAIL ONLY.
PREREQ: 15 CREDITS IN BIOLOGICAL SCIENCES
2075015 CB ARRANGED BRUMMER E
2075081 JH ARRANGED HILL J
INSTRUCTOR PERMISSION REQUIRED, PROCESS
APPROVED ADD SLIP IN 10 ALUMNI HALL

BIOMEDICAL ENGINEERING

SPL TOP BIOMECHANICS B ME 590G 1- 5 CR.
3459005 ARRANGED

RESEARCH B ME 699 VAR. CR.
******* SEE DEPT FOR REFERENCE NUMBERS

BIOMEDICAL SCIENCES

AN& PHYSYL DOMES ANIM B MS 329 3 CR.
PREREQ: BIOL 202, 202L
6968005 MWF 11:00-11:50

PRIN MORPHOLOGY II B MS 331 4 CR.
PREREQ: FIRST-YEAR CLASSIFICATION IN VET MED
COURSE RESTRICTED TO COLLEGE OF V MED STUDENTS
6090005 TR 2:10-3:00
TR 3:10-5:00
F 1:10-3:00

BIOMEDICAL SCIENCE II B MS 334 6 CR.
PREREQ: FIRST-YEAR CLASSIFICATION IN VET MED
1936005 1 MTR 8:00-8:50
WF 10:00-10:50
T 9:00-11:50
1936010 2 MTR 8:00-8:50
WF 10:00-10:50
R 9:00-11:50

NEUROBIOLOGY B MS 337 3 CR.
PREREQ: FIRST-YEAR CLASSIFICATION IN V MED
COURSE RESTRICTED TO COLLEGE OF VET MED STUDENTS
6833005 1 MW 9:00-9:50
M 10:00-11:50
6833010 2 MW 9:00-9:50
M 2:10-4:00

CASE STUDY II B MS 346 1 CR.
PREREQ: FIRST-YEAR CLASSIFICATION IN VET MED
6458005 F 1:10-2:00

GENERAL PHARMACOLOGY B MS 354 3 CR.
PREREQ: 333, 334
AVAILABLE FOR NONMAJOR GRADUATE CREDIT.
3518005 MWF 11:00-11:50

ANAT OF LAB ANIMALS B MS 415 2 CR.
PREREQ: ONE YEAR COLLEGE BIOLOGY
7320005 ARRANGED

INDEPENDENT STUDY B MS 490 1- 5 CR.
PREREQ: PERMISSION OF INSTRUCTOR
******* SEE DEPT FOR REFERENCE NUMBERS

INDEPENDENT STUDY HONORS B MS 490H 1- 5 CR.
PREREQ: INSTR PERMISSION, HONORS PROG MEMBERSHIP
******* SEE DEPT FOR REFERENCE NUMBERS

RES METHD PHARMACOL B MS 501 3 CR.
PREREQ: GRAD CLASSIF, PHARMACOLOGY STAFF PERMISSION
6978005 ARRENGED
BIOMEDICAL SCIENCES

ANAT OF LAB ANIMALS  B M S 515  2 CR.
PREREQ: ONE YEAR COLLEGE BIOLOGY
6846005  ARRANGED

PRIN MORPHOLOGY II  B M S 531  4 CR.
PREREQ: 530
COURSE RESTRICTED TO V MED GRADUATE STUDENTS ONLY
6678005  TR 2:10-3:00
TR 3:10-5:00
F 1:10-3:00

NEUROBIOLOGY  B M S 537  3 CR.
PREREQ: 10 CR IN BIOL SCIENCE & INSTR PERMISSION
COURSE RESTRICTED TO V MED GRADUATE STUDENTS ONLY
6847005  1 MW 9:00-9:50
M 10:00-11:50
6847010  2 MW 9:00-9:50
M 2:10-4:00

INTRO DNA TECHNIQS  B M S 542A  1 CR.
SATISFACTORY-FAIL ONLY.
PREREQ: GRADUATE CLASSIFICATION
7133005  TR 1:10-2:00
TR 2:10-4:00
JAN 11-FEB 10

INTR PROTEIN TECHNQ  B M S 542B  1 CR.
SATISFACTORY-FAIL ONLY.
PREREQ: GRADUATE CLASSIFICATION
7134005  TR 1:10-2:00
TR 2:10-4:00
FEB 15-MARCH 24

INTRO CELL TECHNIQS  B M S 542C  1 CR.
SATISFACTORY-FAIL ONLY.
PREREQ: GRADUATE CLASSIFICATION
7135005  TR 1:10-2:00
TR 2:10-4:00
MARCH 29-APRIL 28

INTR PLNT TRNSFM TQ  B M S 542D  1 CR.
SATISFACTORY-FAIL ONLY.
PREREQ: GRADUATE CLASSIFICATION
7117005  ARRANGED
FEB 9-APRIL 20

ADV VERTEB PHYSL II  B M S 552  3 CR.
PREREQ: ZOOL 355; CR OR ENRLMT IN BBMB 420 OR 404
6983005  1 MWF 2:10-3:00

GENERAL PHARMACOLGY  B M S 554  3 CR.
PREREQ: 549 AND 552; BBMB 404, 405
3512005  MWF 11:00-12:50

PHS&PHR AUTONM NERV  B M S 565  2 CR.
PREREQ: 549, 552 OR PERMISSION OF INSTRUCTOR
6985005  ARRANGED

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

BIOMEDICAL SCIENCES

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

SPL TOPC PHARMACOL  B M S 590C  1- 7 CR.
PREREQ: PERMISSION OF INSTRUCTOR
*******  SEE DEPT FOR REFERENCE NUMBERS

CREATIVE COMPONENT  B M S 599  1- 3 CR.
*******  SEE DEPT FOR REFERENCE NUMBERS

RESEARCH REVIEW  B M S 688  1 CR.
8961005  ARRANGED

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

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

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

SEMINAR  B M S 698A  R CR.
5776005  W 4:10-5:00

SEMINAR  B M S 698B  1 CR.
SATISFACTORY-FAIL ONLY.
6995005  W 4:10-5:00

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

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

RESRCH PHARMACOLOGY  B M S 699C VAR. CR.
*******  SEE DEPT FOR REFERENCE NUMBERS

BIORENEWABLE RESOURCES & TECHNOLOGY

FUND BIORENEW RESOU  BRT  501  3 CR.
PREREQ: UG TRAINING IN AN ENGR OR PHYSICAL OR BIOLOGICAL DISCIPLINE OR A DEGREE IN AG OR ECONOMICS
6534005  A MWF 2:10-3:00  BROWN R

BIOBASE PROD SEMINR  BRT  506A  1 CR.
SATISFACTORY-FAIL ONLY.
PREREQ: UG TRAINING IN AN ENGR OR PHYSICAL OR BIOLOGICAL DISCIPLINE OR A DEGREE IN AG OR ECONOMICS
6476005  ARRANGED  BROWN R

BIOBASE PROD SEMINR  BRT  506B  R CR.
SATISFACTORY-FAIL ONLY.
PREREQ: UG TRAINING IN AN ENGR OR PHYSICAL OR BIOLOGICAL DISCIPLINE OR A DEGREE IN AG OR ECONOMICS
6505005  ARRANGED  BROWN R
**BOTANY**

**BIOLOGICAL EVOLUTN**  BOT 303  3 CR.
PREREQ: CREDIT OR ENROLLMENT IN BIOL/GEN 301
1898005  MWF 12:10-1:00

**PLANTS & PEOPLE**  BOT 304  3 CR.
PREREQ: BIOL 201
2082005  MWF 1:10-2:00

**PLANT TAXONOMY**  BOT 306  4 CR.
PREREQ: BIOL 201
2084010  TR 11:00-11:50
2084015  TR 11:00-11:50
2084020  TR 11:00-11:50
2084025  TR 11:00-11:50
2084030  TR 11:00-11:50

**PLANT PHYSIOLOGY**  BOT 320  3 CR.
PREREQ: BIOL 301 OR GEN 320; BIOL 302 OR BBMB 301; CHEM 231 OR 332; PHYS 106 OR 111
AVAILABLE FOR NONMAJOR GRADUATE CREDIT.
2087010  MWF 9:00-9:50

**PLANT PHYSIOLOGY LAB**  BOT 321A  1 CR.
PREREQ: BIOL 202L, CREDIT OR ENROLLMENT IN BOT 320
AVAILABLE FOR NONMAJOR GRADUATE CREDIT.
4516005  T 2:10-5:00

**PLANT PHYSIOLOGY LAB**  BOT 321B  2 CR.
PREREQ: BIOL 202L, CREDIT OR ENROLLMENT IN BOT 320
AVAILABLE FOR NONMAJOR GRADUATE CREDIT.
4517005  T 2:10-5:00, ARRANGED

**BIODIVERSITY**  BOT 340  2 CR.
PREREQ: ONE COURSE IN LIFE SCIENCES
COURSE NOT INTENDED FOR MAJOR CREDIT IN THE BIOLOGICAL SCIENCES
3892005  TR 9:00-10:50
MARCH 7-MAY 6

**ENVIRONM BIOGEOCHEM**  BOT 403  4 CR.
PREREQ: ENSCI 330 AND 402 OR 402I
AVAILABLE FOR NONMAJOR GRADUATE CREDIT.
5591005  MWF 1:10-2:00
W 2:10-4:00

**ID AQUATIC ORGSNSMS**  BOT 411  1 CR.
PREREQ: CREDIT OR ENROLLMENT IN 410L
MATERIALS AND FIELD TRIPS & TRAVEL FEE $15.00
AVAILABLE FOR NONMAJOR GRADUATE CREDIT.
4644005  1 ARRANGED

**PLANT ECOLOGY**  BOT 484  3 CR.
PREREQ: BIOL 312
AVAILABLE FOR NONMAJOR GRADUATE CREDIT.
2099005  TR 9:30-10:50

**IND STDY PLT PHYSIOL**  BOT 490A  1- 3 CR.
PREREQ: 7 CR IN BOTANY, PERMISNN OF INSTRUCTOR
NO MORE THAN 9 CREDITS OF BOT 490 MAY BE APPLIED
TOWARD A DEGREE IN BOTANY
INSTRUCTOR PERMISSION REQUIRED, PROCESS
APPROVED ADD SLIP IN 10 ALUMNI HALL
*******  SEE DEPT FOR REFERENCE NUMBERS

**IND STDY MORPHOLOGY**  BOT 490B  1- 3 CR.
PREREQ: 7 CR IN BOTANY, PERMISNN OF INSTRUCTOR
NO MORE THAN 9 CREDITS OF BOT 490 MAY BE APPLIED
TOWARD A DEGREE IN BOTANY
INSTRUCTOR PERMISSION REQUIRED, PROCESS
APPROVED ADD SLIP IN 10 ALUMNI HALL
*******  SEE DEPT FOR REFERENCE NUMBERS

**IND STDY SYST &EVOL**  BOT 490E  1- 3 CR.
PREREQ: 7 CR IN BOTANY, PERMISNN OF INSTRUCTOR
NO MORE THAN 9 CREDITS OF BOT 490 MAY BE APPLIED
TOWARD A DEGREE IN BOTANY
INSTRUCTOR PERMISSION REQUIRED, PROCESS
APPROVED ADD SLIP IN 10 ALUMNI HALL
*******  SEE DEPT FOR REFERENCE NUMBERS

**ENVIRONM BIOGEOCHEM**  BOT 403  4 CR.
PREREQ: ENSCI 330 AND 402 OR 402I
AVAILABLE FOR NONMAJOR GRADUATE CREDIT.
5591005  MWF 1:10-2:00
W 2:10-4:00
BOTANY

PLANT GROWTH & DEVELOPMENT BOT 512 2 CR.
PREREQ: 320 OR A COURSE IN DEVELOPMENTAL BIOLOGY; 545 OR BBMB 404, 405 OR GEN 520
2114005  TR 12:40-2:00 LASHBROOK C

ENVIRONMENTAL PHYSIOLOGY BOT 537 3 CR.
PREREQ: BOT 320 OR EQUIVALENT
2041005  TR 12:40-2:00

INTRODUCTION TO DNA TECHNOLOGY BOT 542A 1 CR.
Satisfactory-fail only.
PREREQ: GRADUATE CLASSIFICATION
7105005  TR 1:10-2:00
2:10-4:00
JAN 11-FEB 10

INTRA PROTEIN TECHNOLOGY BOT 542B 1 CR.
Satisfactory-fail only.
PREREQ: GRADUATE CLASSIFICATION
7109005  TR 1:10-2:00
2:10-4:00
FEB 15-MARCH 24

INTRODUCTION TO CELL TECHNOLOGY BOT 542C 1 CR.
Satisfactory-fail only.
PREREQ: GRADUATE CLASSIFICATION
7119005  TR 1:10-2:00
2:10-4:00
MARCH 29-APRIL 28

INTRA PLANT TRANSFORMATION BOT 542D 1 CR.
Satisfactory-fail only.
PREREQ: GRADUATE CLASSIFICATION
7120005  ARRANGED
FEB 9-APRIL 20

EVOLUTIONARY GENETICS BOT 562 3 CR.
1241005  TR 9:30-10:50

WETLAND ECOLOGY BOT 564 3 CR.
PREREQ: 15 CREDITS IN BIOLOGICAL SCIENCES
2126005  TR 3:40-5:00

ADVANCED SYSTEMATICS BOT 568 3 CR.
PREREQ: PERMISSION OF INSTRUCTOR
7065005  ARRANGED

FUNCTIONAL ECOLOGY BOT 582 3 CR.
PREREQ: BIOL 312
2130005  ARRANGED

PLANT PHYSIOLOGY BOT 590A 1-3 CR.
PREREQ: 10 CR IN BOT, INSTRUCTOR PERMISSION
INSTRUCTOR PERMISSION REQUIRED, PROCESS
APPROVED ADD SLIP IN 10 ALUMNI HALL
******* SEE DEPT FOR REFERENCE NUMBERS

PLANT PHYSIOLOGY BOT 590B 1-3 CR.
PREREQ: 10 CR IN BOT, INSTRUCTOR PERMISSION
INSTRUCTOR PERMISSION REQUIRED, PROCESS
APPROVED ADD SLIP IN 10 ALUMNI HALL
******* SEE DEPT FOR REFERENCE NUMBERS
**BOTANY**

**SEMINAR ECOCOLOGY**  BOT 698F  1 CR.  
2164005  ARRANGED

**RES PHYSIOLOG & MOL BIO**  BOT 699A VAR. CR.  
**********  SEE DEPT FOR REFERENCE NUMBERS

**RESEARCH MORPHOLOGY**  BOT 699B VAR. CR.  
**********  SEE DEPT FOR REFERENCE NUMBERS

**RES SYSTEMS & EVOLUTION**  BOT 699E VAR. CR.  
**********  SEE DEPT FOR REFERENCE NUMBERS

**RES ARCH PLANT ECOLOGY**  BOT 699F VAR. CR.  
**********  SEE DEPT FOR REFERENCE NUMBERS

**RES ARCH CYTOLOGY**  BOT 699J VAR. CR.  
**********  SEE DEPT FOR REFERENCE NUMBERS

**RES AQUATIC & WETLAND ECOLOGY**  BOT 699K VAR. CR.  
**********  SEE DEPT FOR REFERENCE NUMBERS

**BUSINESS ADMINISTRATION**

**ORIENTATION**  BUSAD 101  .5 CR.  
SATISFACTORY-FAIL ONLY.  
PERMISSION OF COLLEGE REQUIRED TO ADD DURING  
1ST WEEK; GO TO 1200 GERDIN  
6144005  A 11:00-11:50  
6144010  B 2:10-3:00  
6144015  C 8:30-12:30  
SEC 3: FEB 26-MARCH 5  
SEC 4 RESTRICTED TO JUNIORS AND SENIORS  
6144020  D 1:10-2:00  
SEC 3 MEETS FEB 26 AND MARCH 5.

**EXP DOMESTIC INTERNS**  BUSAD 291A  1-3 CR.  
SATISFACTORY-FAIL ONLY.  
PREREQ: WRITTEN APPROVAL OF SUPERVISING  
INSTRUCTOR AND DEPARTMENT CHAIR ON REQUIRED FORM  
PRIOR TO THE LEARNING EXPERIENCE  
DEPARTMENT PERMISSION REQUIRED, PROCESS  
APPROVED ADD SLIP IN 10 ALUMNI HALL  
6722005  RC ARRANGED  
6722010  RP ARRANGED  
6722015  TC ARRANGED

**BUSINESS Administration**

**COOPERATIVE EDUC**  BUSAD 298  R CR.  
SATISFACTORY-FAIL ONLY.  
PREREQ: PERMISSION OF DEPARTMENT  
COURSE NOT OPEN TO GRADUATE STUDENTS  
PERMISSION OF KATHRYN WILSON REQUIRED TO ADD. PROCESS  
APPROVED ADD SLIP IN 10 ALUMNI HALL  
6147005  A ARRANGED  
COLLEGE PERMISSION REQUIRED TO ADD  
DURING  
1ST WEEK; GO TO 1200 GERDIN

**EXP DOMESTIC INTERNS**  BUSAD 491A  1-3 CR.  
SATISFACTORY-FAIL ONLY.  
PREREQ: PROFESSIONAL PROGRAM, 12 CREDITS FROM  
COLLEGE OF BUSINESS. WRITTEN APPROVAL OF SUPERVISING  
INSTRUCTOR AND DEPARTMENT CHAIR ON REQUIRED FORM  
PRIOR TO THE LEARNING EXPERIENCE.  
FOR JUNIORS AND ABOVE IN THE COLLEGE OF BUSINESS.  
DEPARTMENT PERMISSION REQUIRED, PROCESS  
APPROVED ADD SLIP IN 10 ALUMNI HALL  
6722005  RC ARRANGED  
6722010  RP ARRANGED  
6722015  TC ARRANGED

**ECON & BUS DECISION TOOL**  BUSAD 533  3 CR.  
PREREQ: ECON 501 OR 532; NOT FOR PH.D. STUDENTS  
in the Economics Program  
7820005  M 6:00-9:00PM  
HERRIGES J

**PRO EXPERIENTIAL LRNG**  BUSAD 591  1-3 CR.  
SATISFACTORY-FAIL ONLY.  
PREREQ: GRADUATE STANDING; WRITTEN APPROVAL OF  
SUPERVISING INSTRUCTOR AND DEPARTMENT CHAIR ON  
REQUIRED FORM PRIOR TO THE LEARNING EXPERIENCE  
7533010  MP ARRANGED  
INSTRUCTOR PERMISSION REQUIRED, PROCESS  
APPROVED ADD SLIP IN 10 ALUMNI HALL

**COOPERATIVE EDUCATN**  BUSAD 598  R CR.  
SATISFACTORY-FAIL ONLY.  
PREREQ: PERMISSION OF INSTRUCTOR  
INSTRUCTOR PERMISSION REQUIRED, PROCESS  
APPROVED ADD SLIP IN 10 ALUMNI HALL  
7906005  ARRANGED

**CREATIVE COMP ACCTNG**  BUSAD 599A  3 CR.  
PREREQ: GRAD CLASSIF, PERMSSN OF SUPERVF COMM CHAIR  
RESTRICTED TO BUSINESS COLLEGE GRADUATE STUDENTS  
**********  SEE DEPT FOR REFERENCE NUMBERS

**CREATIVE COMP FINANC**  BUSAD 599C  3 CR.  
PREREQ: GRAD CLASSIF, PERMSSN OF SUPERVF COMM CHAIR  
RESTRICTED TO BUSINESS COLLEGE GRADUATE STUDENTS  
**********  SEE DEPT FOR REFERENCE NUMBERS

**CREATIVE COMP MANAGMT**  BUSAD 599E  3 CR.  
PREREQ: GRAD CLASSIF, PERMSSN OF SUPERVF COMM CHAIR  
RESTRICTED TO BUSINESS COLLEGE GRADUATE STUDENTS  
**********  SEE DEPT FOR REFERENCE NUMBERS

**CREATIVE COMP MARKETING**  BUSAD 599F  3 CR.  
PREREQ: GRAD CLASSIF, PERMSSN OF SUPERVF COMM CHAIR  
RESTRICTED TO BUSINESS COLLEGE GRADUATE STUDENTS  
**********  SEE DEPT FOR REFERENCE NUMBERS

**BUSINESS ANALYSIS LAB**  BUSAD 392  3 CR.  
SATISFACTORY-FAIL ONLY.  
PREREQ: PERMISSION OF INSTRUCTOR  
INSTRUCTOR PERMISSION REQUIRED, PROCESS  
APPROVED ADD SLIP IN 10 ALUMNI HALL  
4721005  ARRANGED
### BUSINESS ADMINISTRATION

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
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</table>
| CRTV CMP TRANSPT&LG BUSAD 599H | 3 CR. | PREREQ: GRAD CLASSIF, PERMSN OF SUPERV COMM CHAIR
| CRTV CMP MGT INF SY BUSAD 599K | 3 CR. | PREREQ: GRAD CLASSIF, PERMSN OF SUPERV COMM CHAIR
| CREAT COMP OPER MGT BUSAD 599L | 3 CR. | PREREQ: GRAD CLASSIF, PERMSN OF SUPERV COMM CHAIR
| RESEARCH BUSAD 699 | 3 - 6 CR. | PREREQ: GRAD CLASSIF, PERMISSION OF MAJOR PROF

### CHEMICAL ENGINEERING

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
<th>Prerequisites</th>
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</table>
| CH E 202 SEMINAR | 2 CR. | SATISFACTORY-FAIL ONLY.
| MATL & ENERGY BALNC CH E 210 | 3 CR. | PREREQ: CHEM 178, MATH 166
| COOPERATIVE EDUC CH E 298 | 3 CR. | PREREQ: PERMISSION OF DEPT CHAIR
| CHEMICAL ENGR LAB I CH E 325 | 2 CR. | PREREQ: 357, CREDIT OR ENROLLMENT IN 381
| TRANSPT PHENOMEN I CH E 356 | 3 CR. | PREREQ: 210, PHYS 221, CR OR ENR IN MATH 267
| TRANSPT PHENOMN II CH E 357 | 3 CR. | PREREQ: 356
| SEPARATIONS CH E 358 | 4 CR. | PREREQ: 357
| CHEMICAL THERMODYNAMICS CH E 381 | 3 CR. | PREREQ: MATH 267, PHYS 222, CHEM 321
| CHEMICAL REACTION ENGR CH E 382 | 3 CR. | PREREQ: 381
| F STDY ORIEN AT ISU CH E 391A | 1 CR. | SATISFACTORY-FAIL ONLY.
| ENGINEER INTERNSHIP CH E 397 | 1 CR. | PREREQ: PERMISSION OF DEPARTMENT
| BIOCHEMICAL ENGINEER CH E 415 | 3 CR. | PREREQ: 357, 382 RECOMMENDED, CHEM 331
| PROCESS CONTROL CH E 421 | 3 CR. | PREREQ: CREDIT OR ENROLLMENT IN 358, MATH 267
| CHEMICAL ENGR LAB II CH E 426 | 2 CR. | PREREQ: 325, 358, 382

### SECTIONS

<table>
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<tr>
<th>Section</th>
<th>Instructor</th>
<th>Time</th>
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<tr>
<td>7982005 A R</td>
<td>2:10-3:00</td>
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<td>2429005 A MWF</td>
<td>3:10-4:00</td>
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<td>2431005 A ARRANGED</td>
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<td>7173005 EN T</td>
<td>4:10-5:00</td>
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<td>7173010 SP T</td>
<td>4:10-5:00</td>
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<td>2437005 A MTWF</td>
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<td>2438005 A MWF</td>
<td>1:10-2:00</td>
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<td>2448010 B R</td>
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CHEMICAL ENGINEERING

PROCES&PLANT DESIGN CH E 430 4 CR.
PREREQ: 358,382
AVAILABLE FOR NONMAJOR GRADUATE CREDIT.
2449005 A TR 9:00-9:50
TR 10:00-11:50

POLYMERS &POLY ENGR CH E 443 3 CR.
PREREQ: 382 AND CHEM 331 OR MAT E 351
AVAILABLE FOR NONMAJOR GRADUATE CREDIT.
2452005 A TR 10:00-11:50

INDEPENDENT STUDY CH E 490 1-6 CR.
******* SEE DEPT FOR REFERENCE NUMBERS

INDEP STUDY HONORS CH E 490H 1-6 CR.
PREREQ: MEMBERSHIP IN THE HONORS PROGRAM
******* SEE DEPT FOR REFERENCE NUMBERS

COOPERATIVE EDUCATN CH E 498 R CR.
PREREQ: 398, PERMISSION OF DEPARTMENT CHAIR
PERMISSION OF ADVISER & CAREER SERVICES REQUIRED,
COLLEGE WILL REGISTER STUDENT
2457005 A ARRANGED

INDEPENDENT STUDY CH E 499 1-6 CR.
******* SEE DEPT FOR REFERENCE NUMBERS

INDEP STUDY HONORS II CH E 499H 1-6 CR.
PREREQ: MEMBERSHIP IN THE HONORS PROGRAM
******* SEE DEPT FOR REFERENCE NUMBERS

UNDERGRAD RESEARCH CH E 599 3 CR.
PREREQ: PERMISSION OF DEPARTMENT
NO MORE THAN 6 CREDITS OF CH E 499 MAY BE
APPLIED TOWARD GRADUATION
******* SEE DEPT FOR REFERENCE NUMBERS

COOPERATIVE EDUCATN II CH E 599R 1-6 CR.
PREREQ: 398, PERMISSION OF DEPARTMENT CHAIR
PERMISSION OF ADVISER & CAREER SERVICES REQUIRED,
COLLEGE WILL REGISTER STUDENT
2457005 A ARRANGED

GENERAL CHEMISTRY I CHEM 163 4 CR.
PREREQ: 1 YR H.S. ALGEBRA AND GEOMETRY AND EITHER
CHEM 50X OR 155 OR 1 YR H.S. CHEMISTRY; AND CREDIT
OR ENROLLMENT IN 163L
MUST BE ACCOMPANIED BY CHEM 163L UNLESS STUDENT
ALREADY HAS CREDIT IN 163L. CREDIT FOR ONLY ONE OF
CHEM 155,163,167,& 177 (AND LABS) MAY BE APPLIED
TOWARD GRADUATION. ONLY ONE OF CHEM 163,165,167 &
177 (AND LABS) MAY BE APPLIED TOWARD GRADUATION. TESTOUT
NOT AVAILABLE TO STUDENTSALSO REGISTERED.
DEPARTMENT PERMISSON REQUIRED 1ST WEEK, PROCESS
APPROVED ADD SLIP IN 10 ALUMNI HALL
2489015 1 TR 10:00-10:50 BURNETT J
MW 9:00-9:50
2489020 2 TR 10:00-10:50 BURNETT J
MW 9:00-9:50
2489025 3 TR 10:00-10:50 BURNETT J
MW 10:00-10:50
2489030 4 TR 10:00-10:50 BURNETT J
MW 10:00-10:50
2489035 5 TR 10:00-10:50 BURNETT J
MW 11:00-11:50
2489040 6 TR 10:00-10:50 BURNETT J
MW 11:00-11:50
2489045 7 TR 10:00-10:50 BURNETT J
MW 12:10-1:00
2489050 8 TR 10:00-10:50 BURNETT J
MW 1:10-2:00
2489055 9 TR 10:00-10:50 BURNETT J
MW 1:10-2:00
2489060 10 TR 10:00-10:50 BURNETT J
MW 2:10-3:00

GENERAL CHEM LAB I CHEM 163L 1 CR.
PREREQ: CREDIT OR ENROLLMENT IN 163
MUST BE ACCOMPANIED BY CHEM 163L UNLESS STUDENT
ALREADY HAS CREDIT IN 163L. CREDIT FOR ONLY ONE OF
CHEM 163L, 167L, AND 177L MAY BE APPLIED TOWARD
GRADUATION.
MATERIALS FEE $27.00
DEPARTMENT PERMISSON REQUIRED 1ST WEEK, PROCESS
APPROVED ADD SLIP IN 10 ALUMNI HALL
2490005 1 M 12:10-3:00 BURNETT J
2490010 2 M 12:10-3:00 BURNETT J
2490015 3 M 12:10-3:00 BURNETT J
2490020 4 M 12:10-3:00 BURNETT J
2490025 5 M 12:10-3:00 BURNETT J
2490030 6 M 12:10-3:00 BURNETT J
2490035 7 M 12:10-3:00 BURNETT J
2490040 8 M 12:10-3:00 BURNETT J
2490045 9 M 12:10-3:00 BURNETT J
2490050 10 M 12:10-3:00 BURNETT J

SYLLABUS: http://avogadro.chem.iastate.edu/chem163/

GENERAL CHEMISTRY II CHEM 164 4 CR.
PREREQ: CHEM 163
MAY BE APPLIED TOWARD GRADUATION.
MATERIALS FEE $27.00
DEPARTMENT PERMISSON REQUIRED 1ST WEEK, PROCESS
APPROVED ADD SLIP IN 10 ALUMNI HALL
2490065 1 M 12:10-3:00 BURNETT J
2490070 2 M 12:10-3:00 BURNETT J
2490075 3 M 12:10-3:00 BURNETT J
2490080 4 M 12:10-3:00 BURNETT J
2490085 5 M 12:10-3:00 BURNETT J
2490090 6 M 12:10-3:00 BURNETT J
2490095 7 M 12:10-3:00 BURNETT J
2490100 8 M 12:10-3:00 BURNETT J

SYLLABUS: http://avogadro.chem.iastate.edu/chem164/

GENERAL CHEMISTRY III CHEM 165 4 CR.
PREREQ: CHEM 164
MAY BE APPLIED TOWARD GRADUATION.
MATERIALS FEE $27.00
DEPARTMENT PERMISSON REQUIRED 1ST WEEK, PROCESS
APPROVED ADD SLIP IN 10 ALUMNI HALL
2490200 1 M 12:10-3:00 BURNETT J
2490205 2 M 12:10-3:00 BURNETT J
2490210 3 M 12:10-3:00 BURNETT J
2490215 4 M 12:10-3:00 BURNETT J
2490220 5 M 12:10-3:00 BURNETT J
2490225 6 M 12:10-3:00 BURNETT J
2490230 7 M 12:10-3:00 BURNETT J
2490235 8 M 12:10-3:00 BURNETT J

SYLLABUS: http://avogadro.chem.iastate.edu/chem165/

GENERAL CHEMISTRY IV CHEM 166 4 CR.
PREREQ: CHEM 165
MAY BE APPLIED TOWARD GRADUATION.
MATERIALS FEE $27.00
DEPARTMENT PERMISSON REQUIRED 1ST WEEK, PROCESS
APPROVED ADD SLIP IN 10 ALUMNI HALL
2490300 1 M 12:10-3:00 BURNETT J
2490305 2 M 12:10-3:00 BURNETT J
2490310 3 M 12:10-3:00 BURNETT J
2490315 4 M 12:10-3:00 BURNETT J
2490320 5 M 12:10-3:00 BURNETT J
2490325 6 M 12:10-3:00 BURNETT J
2490330 7 M 12:10-3:00 BURNETT J
2490335 8 M 12:10-3:00 BURNETT J

SYLLABUS: http://avogadro.chem.iastate.edu/chem166/
CHIMISTRY

GENERAL CHEMISTRY I CHEM 163 1 CR.
2490010 2 M 3:10-6:00PM BURNETT J
SECTION INFO: http://avogadro.chem.iastate.edu/chem163/
SYLLABUS: http://avogadro.chem.iastate.edu/chem163/syllabus.html
2490015 3 T 12:10-3:00 BURNETT J
SECTION INFO: http://avogadro.chem.iastate.edu/chem163/
SYLLABUS: http://avogadro.chem.iastate.edu/chem163/syllabus.html
2490020 4 T 12:10-3:00 BURNETT J
SECTION INFO: http://avogadro.chem.iastate.edu/chem163/
SYLLABUS: http://avogadro.chem.iastate.edu/chem163/syllabus.html
2490025 5 T 3:10-6:00PM BURNETT J
SECTION INFO: http://avogadro.chem.iastate.edu/chem163/
SYLLABUS: http://avogadro.chem.iastate.edu/chem163/syllabus.html
2490030 6 T 3:10-6:00PM BURNETT J
SECTION INFO: http://avogadro.chem.iastate.edu/chem163/
SYLLABUS: http://avogadro.chem.iastate.edu/chem163/syllabus.html
2490035 7 W 9:00-11:50 BURNETT J
SECTION INFO: http://avogadro.chem.iastate.edu/chem163/
SYLLABUS: http://avogadro.chem.iastate.edu/chem163/syllabus.html
2490040 8 W 12:10-3:00 BURNETT J
SECTION INFO: http://avogadro.chem.iastate.edu/chem163/
SYLLABUS: http://avogadro.chem.iastate.edu/chem163/syllabus.html
2490045 9 W 9:00-11:50 BURNETT J
SECTION INFO: http://avogadro.chem.iastate.edu/chem163/
SYLLABUS: http://avogadro.chem.iastate.edu/chem163/syllabus.html
2490050 10 W 3:10-6:00PM BURNETT J
SECTION INFO: http://avogadro.chem.iastate.edu/chem163/
SYLLABUS: http://avogadro.chem.iastate.edu/chem163/syllabus.html
2490055 11 R 12:10-3:00 BURNETT J
SECTION INFO: http://avogadro.chem.iastate.edu/chem163/
SYLLABUS: http://avogadro.chem.iastate.edu/chem163/syllabus.html
2490060 12 R 3:10-6:00PM BURNETT J
SECTION INFO: http://avogadro.chem.iastate.edu/chem163/
SYLLABUS: http://avogadro.chem.iastate.edu/chem163/syllabus.html

GENERAL CHEMISTRY II CHEM 164 3 CR.
PREREQ: 163 AND 163L
TEST NOT AVAILABLE TO STUDENTS ALSO REGISTERED 
CREDIT FOR EITHER CHEM 164 OR CHEM 178 (AND LABS), BUT 
NOT BOTH, MAY BE APPLIED TOWARD GRADUATION 
4048005 1 TR 9:00-9:50 SCHMIDT-ROHR K 
SECTION INFO: http://avogadro.chem.iastate.edu/chem164/
SYLLABUS: http://avogadro.chem.iastate.edu/chem164/syllabus.html
4048010 2 TR 9:00-9:50 SCHMIDT-ROHR K 
SECTION INFO: http://avogadro.chem.iastate.edu/chem164/
SYLLABUS: http://avogadro.chem.iastate.edu/chem164/syllabus.html
4048015 3 TR 9:00-9:50 SCHMIDT-ROHR K 
SECTION INFO: http://avogadro.chem.iastate.edu/chem164/
SYLLABUS: http://avogadro.chem.iastate.edu/chem164/syllabus.html
4048020 4 TR 9:00-9:50 SCHMIDT-ROHR K 
SECTION INFO: http://avogadro.chem.iastate.edu/chem164/
SYLLABUS: http://avogadro.chem.iastate.edu/chem164/syllabus.html
4048025 5 TR 9:00-9:50 SCHMIDT-ROHR K 
SECTION INFO: http://avogadro.chem.iastate.edu/chem164/
SYLLABUS: http://avogadro.chem.iastate.edu/chem164/syllabus.html

GENERAL CHEMISTRY LAB I CHEM 163L 1 CR.
2492005 1 W 9:00-11:50 BURNETT J
SECTION INFO: http://avogadro.chem.iastate.edu/chem163l/
SYLLABUS: http://avogadro.chem.iastate.edu/chem163l/syllabus.html
2492010 2 W 3:10-6:00PM BURNETT J
SECTION INFO: http://avogadro.chem.iastate.edu/chem163l/
SYLLABUS: http://avogadro.chem.iastate.edu/chem163l/syllabus.html
2492015 3 R 9:00-11:50 BURNETT J
SECTION INFO: http://avogadro.chem.iastate.edu/chem163l/
SYLLABUS: http://avogadro.chem.iastate.edu/chem163l/syllabus.html
2492020 4 R 12:10-3:00 BURNETT J
SECTION INFO: http://avogadro.chem.iastate.edu/chem163l/
SYLLABUS: http://avogadro.chem.iastate.edu/chem163l/syllabus.html
2492025 5 R 3:10-6:00PM BURNETT J
SECTION INFO: http://avogadro.chem.iastate.edu/chem163l/
SYLLABUS: http://avogadro.chem.iastate.edu/chem163l/syllabus.html

GENERAL CHEMISTRY LAB II CHEM 164L 1 CR.
PREREQ: 163L AND CREDIT OR ENROLLMENT IN 164 
CREDIT FOR EITHER CHEM 164L OR CHEM 178L, BUT 
NOT BOTH, MAY BE APPLIED TOWARD GRADUATION 
MATERIALS FEE $27.00
4048020 4 TR 9:00-9:50 BURNETT J
SECTION INFO: http://avogadro.chem.iastate.edu/chem164l/
SYLLABUS: http://avogadro.chem.iastate.edu/chem164l/syllabus.html
4048025 5 TR 9:00-9:50 BURNETT J
SECTION INFO: http://avogadro.chem.iastate.edu/chem164l/
SYLLABUS: http://avogadro.chem.iastate.edu/chem164l/syllabus.html
4048030 6 TR 9:00-9:50 BURNETT J
SECTION INFO: http://avogadro.chem.iastate.edu/chem164l/
SYLLABUS: http://avogadro.chem.iastate.edu/chem164l/syllabus.html
4048035 7 TR 9:00-9:50 BURNETT J
SECTION INFO: http://avogadro.chem.iastate.edu/chem164l/
SYLLABUS: http://avogadro.chem.iastate.edu/chem164l/syllabus.html
4048040 8 TR 9:00-9:50 BURNETT J
SECTION INFO: http://avogadro.chem.iastate.edu/chem164l/
SYLLABUS: http://avogadro.chem.iastate.edu/chem164l/syllabus.html
4048045 9 TR 9:00-9:50 BURNETT J
SECTION INFO: http://avogadro.chem.iastate.edu/chem164l/
SYLLABUS: http://avogadro.chem.iastate.edu/chem164l/syllabus.html
4048050 10 TR 9:00-9:50 BURNETT J
SECTION INFO: http://avogadro.chem.iastate.edu/chem164l/
SYLLABUS: http://avogadro.chem.iastate.edu/chem164l/syllabus.html
4048055 11 TR 12:10-3:00 BURNETT J
SECTION INFO: http://avogadro.chem.iastate.edu/chem164l/
SYLLABUS: http://avogadro.chem.iastate.edu/chem164l/syllabus.html
4048060 12 TR 3:10-6:00PM BURNETT J
SECTION INFO: http://avogadro.chem.iastate.edu/chem164l/
SYLLABUS: http://avogadro.chem.iastate.edu/chem164l/syllabus.html

CHEMISTRY

GENERAL CHEMISTRY II CHEM 164 3 CR.
2491030 5 MW 2:10-3:00 VERKADE J
SECTION INFO: http://avogadro.chem.iastate.edu/chem164/
SYLLABUS: http://avogadro.chem.iastate.edu/chem164/syllabus.html
2491035 6 MW 2:10-3:00 VERKADE J
SECTION INFO: http://avogadro.chem.iastate.edu/chem164/
SYLLABUS: http://avogadro.chem.iastate.edu/chem164/syllabus.html
2491040 7 MW 2:10-3:00 VERKADE J
SECTION INFO: http://avogadro.chem.iastate.edu/chem164/
SYLLABUS: http://avogadro.chem.iastate.edu/chem164/syllabus.html
2491045 8 MW 2:10-3:00 VERKADE J
SECTION INFO: http://avogadro.chem.iastate.edu/chem164/
SYLLABUS: http://avogadro.chem.iastate.edu/chem164/syllabus.html
CHEMISTRY

FOUND FOR ENGINR II CHEM 165 4 CR.
4048025 5 TR 9:00-9:50 SCHMIDT-ROHR K
SYLLABUS:
http://avogadro.chem.iastate.edu/chem165/syllabus
SECTION INFO: http://avogadro.chem.iastate.edu/chem165/

CHEMISTRY

ENGNRS GENERAL CHEM CHEM 167 4 CR.
PREREQ: MATH 140 OR THE HIGH SCHOOL EQUIV AND ONE YEAR OF TRADITIONAL COLLEGE PREP CHEM OR CHEM 105
RESTRICTED TO ENGR COLLEGE MAJORS ONLY. CREDIT FOR ONLY ONE OF CHEM 163,165,167,177 (AND LABS) MAY BE APPLIED TOWARD GRADUATION.

CHEMISTRY

APPLIED TOWARD GRADUATION. TESTOUT NOT AVAILABLE TO STUDENTS ALSO REGISTERED.

CHEMISTRY

ENGNRS GEN CHEM LAB CHEM 167L 1 CR.
PREREQ: CREDIT OR ENROLLMENT IN 167 OR 165
RESTRICTED TO ENGR COLLEGE MAJORS ONLY.
CREDIT FOR ONLY ONE OF CHEM 163L,167L,177L MAY BE APPLIED TOWARD GRADUATION.
MATERIALS FEE $27.00
2494005 1 M 9:00-11:50 RUSSELL M
SECTION INFO: http://avogadro.chem.iastate.edu/chem167l/
SYLLABUS: http://avogadro.chem.iastate.edu/chem167l/syllabus.html

CHEMISTRY
<table>
<thead>
<tr>
<th>Course</th>
<th>Section</th>
<th>Days</th>
<th>Time</th>
<th>Instructor</th>
<th>Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHEM 177 General Chemistry</td>
<td>2496020</td>
<td>3 MWF</td>
<td>12:10-1:00</td>
<td>GREENBOWE T</td>
<td><a href="http://avogadro.chem.iastate.edu/chem177">http://avogadro.chem.iastate.edu/chem177</a></td>
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</table>
CHEMISTRY

GENERAL CHEMISTRY CHEM 178 3 CR.
SYLLABUS: http://avogadro.chem.iastate.edu/chem178/syllabus
2499045 8 MW 1:10-2:00 LIN S
F 12:10-1:00
SECTION INFO: http://avogadro.chem.iastate.edu/chem178/
SYLLABUS: http://avogadro.chem.iastate.edu/chem178/syllabus
2499050 9 MW 1:10-2:00 LIN S
F 12:10-1:00
SECTION INFO: http://avogadro.chem.iastate.edu/chem178/
SYLLABUS: http://avogadro.chem.iastate.edu/chem178/syllabus
2499055 10 MW 1:10-2:00 LIN S
F 1:10-2:00
SECTION INFO: http://avogadro.chem.iastate.edu/chem178/
SYLLABUS: http://avogadro.chem.iastate.edu/chem178/syllabus
2499060 11 MW 1:10-2:00 F 2:10-3:00
SECTION INFO: http://avogadro.chem.iastate.edu/chem178/
SYLLABUS: http://avogadro.chem.iastate.edu/chem178/syllabus
2499065 12 MW 3:10-4:00 LIN S
F 9:00-9:50
SECTION INFO: http://avogadro.chem.iastate.edu/chem178/
SYLLABUS: http://avogadro.chem.iastate.edu/chem178/syllabus
2499070 13 MW 3:10-4:00 LIN S
F 10:00-10:50
SECTION INFO: http://avogadro.chem.iastate.edu/chem178/
SYLLABUS: http://avogadro.chem.iastate.edu/chem178/syllabus
2499075 14 MW 3:10-4:00 LIN S
F 10:00-10:50
SECTION INFO: http://avogadro.chem.iastate.edu/chem178/
SYLLABUS: http://avogadro.chem.iastate.edu/chem178/syllabus
2499080 15 MW 3:10-4:00 LIN S
F 11:00-11:50
SECTION INFO: http://avogadro.chem.iastate.edu/chem178/
SYLLABUS: http://avogadro.chem.iastate.edu/chem178/syllabus
2499085 16 MW 3:10-4:00 LIN S
F 12:10-1:00
SECTION INFO: http://avogadro.chem.iastate.edu/chem178/
SYLLABUS: http://avogadro.chem.iastate.edu/chem178/syllabus
2499090 17 W 3:10-4:00 LIN S
F 1:10-2:00
SECTION INFO: http://avogadro.chem.iastate.edu/chem178/
SYLLABUS: http://avogadro.chem.iastate.edu/chem178/syllabus
2499095 18 W 3:10-4:00 LIN S
F 2:10-3:00
SECTION INFO: http://avogadro.chem.iastate.edu/chem178/
SYLLABUS: http://avogadro.chem.iastate.edu/chem178/syllabus
2499100 19 W 3:10-4:00 LIN S
F 3:10-4:00
SECTION INFO: http://avogadro.chem.iastate.edu/chem178/
SYLLABUS: http://avogadro.chem.iastate.edu/chem178/syllabus
2499105 20 W 3:10-4:00 LIN S
F 3:10-4:00
SECTION INFO: http://avogadro.chem.iastate.edu/chem178/
SYLLABUS: http://avogadro.chem.iastate.edu/chem178/syllabus
2499110 21 W 3:10-4:00 LIN S
F 3:10-4:00
SECTION INFO: http://avogadro.chem.iastate.edu/chem178/
SYLLABUS: http://avogadro.chem.iastate.edu/chem178/syllabus

LAB GENERAL CHEMIST CHEM 178L 1 CR.
PREREQ: 177L AND CREDIT OR ENROLLMENT IN 178.
178L IS NOT A NECESSARY COREQUISITE WITH 178.
MUST BE ACCOMPANIED BY OR HAVE CREDIT IN 178.
CREDIT FOR EITHER CHEM 164L OR CHEM 178L, BUT
NOT BOTH, MAY BE APPLIED TOWARD GRADUATION
MATERIALS FEE $27.00

CHEMISTRY

2500005 1 M 9:00-11:50 LIN S
SECTION INFO: http://avogadro.chem.iastate.edu/chem178l/
SYLLABUS: http://avogadro.chem.iastate.edu/chem178l/syllabus.html
2500010 2 M 12:10-3:00 LIN S
SECTION INFO: http://avogadro.chem.iastate.edu/chem178l/
SYLLABUS: http://avogadro.chem.iastate.edu/chem178l/syllabus.html
2500015 3 M 12:10-3:00 LIN S
SECTION INFO: http://avogadro.chem.iastate.edu/chem178l/
SYLLABUS: http://avogadro.chem.iastate.edu/chem178l/syllabus.html
2500020 4 T 9:00-11:50 LIN S
SECTION INFO: http://avogadro.chem.iastate.edu/chem178l/
SYLLABUS: http://avogadro.chem.iastate.edu/chem178l/syllabus.html
2500025 5 T 9:00-11:50 LIN S
SECTION INFO: http://avogadro.chem.iastate.edu/chem178l/
SYLLABUS: http://avogadro.chem.iastate.edu/chem178l/syllabus.html
2500030 6 T 12:10-3:00 LIN S
SECTION INFO: http://avogadro.chem.iastate.edu/chem178l/
SYLLABUS: http://avogadro.chem.iastate.edu/chem178l/syllabus.html
2500035 7 T 12:10-3:00 LIN S
SECTION INFO: http://avogadro.chem.iastate.edu/chem178l/
SYLLABUS: http://avogadro.chem.iastate.edu/chem178l/syllabus.html
2500040 8 T 3:10-6:00PM LIN S
SECTION INFO: http://avogadro.chem.iastate.edu/chem178l/
SYLLABUS: http://avogadro.chem.iastate.edu/chem178l/syllabus.html
2500045 9 W 9:00-11:50 LIN S
SECTION INFO: http://avogadro.chem.iastate.edu/chem178l/
SYLLABUS: http://avogadro.chem.iastate.edu/chem178l/syllabus.html
2500050 10 W 9:00-11:50 LIN S
SECTION INFO: http://avogadro.chem.iastate.edu/chem178l/
SYLLABUS: http://avogadro.chem.iastate.edu/chem178l/syllabus.html
2500055 11 W 12:10-3:00 LIN S
SECTION INFO: http://avogadro.chem.iastate.edu/chem178l/
SYLLABUS: http://avogadro.chem.iastate.edu/chem178l/syllabus.html
2500060 12 W 12:10-3:00 LIN S
SECTION INFO: http://avogadro.chem.iastate.edu/chem178l/
SYLLABUS: http://avogadro.chem.iastate.edu/chem178l/syllabus.html
2500065 13 W 3:10-6:00PM LIN S
SECTION INFO: http://avogadro.chem.iastate.edu/chem178l/
SYLLABUS: http://avogadro.chem.iastate.edu/chem178l/syllabus.html
2500070 14 R 9:00-11:50 LIN S
SECTION INFO: http://avogadro.chem.iastate.edu/chem178l/
SYLLABUS: http://avogadro.chem.iastate.edu/chem178l/syllabus.html
2500075 15 R 9:00-11:50 LIN S
SECTION INFO: http://avogadro.chem.iastate.edu/chem178l/
SYLLABUS: http://avogadro.chem.iastate.edu/chem178l/syllabus.html
2500080 16 R 12:10-3:00 LIN S
SECTION INFO: http://avogadro.chem.iastate.edu/chem178l/
SYLLABUS: http://avogadro.chem.iastate.edu/chem178l/syllabus.html
2500085 17 R 12:10-3:00 LIN S
SECTION INFO: http://avogadro.chem.iastate.edu/chem178l/
SYLLABUS: http://avogadro.chem.iastate.edu/chem178l/syllabus.html
2500090 18 R 3:10-6:00PM LIN S
SECTION INFO: http://avogadro.chem.iastate.edu/chem178l/
SYLLABUS: http://avogadro.chem.iastate.edu/chem178l/syllabus.html
CHEMISTRY

LAB GENERAL CHEMIST CHEM 178L 1 CR.

PREREQ: CHEM 160

MATERIALS FEE $32.00

SECTION INFO: http://avogadro.chem.iastate.edu/chem178l/sectioninfo.html

ELEM ORGNC CHEM LAB CHEM 231L 1 CR.

PREREQ: CHEM OR BIOCHEM MAJOR; 177, 177L OR 177M, 177N

MATERIALS FEE $37.00

SECTION INFO: http://avogadro.chem.iastate.edu/chem231l/sectioninfo.html

INORGANIC CHEMISTRY CHEM 301 2 CR.

PREREQ: 178, MATH 166, PHYS 222 RECOMMENDED

AVAILABLE FOR NONMAJOR GRADUATE CREDIT.

PHYSICAL CHEMISTRY I CHEM 321 3 CR.

PREREQ: 178, MATH 166, PHYS 222 RECOMMENDED

PHYS CHEM LAB ENGRS CHEM 321L 2 CR.

NIGHT EXAMINATIONS SCHEDULED.

PREREQ: CREDIT OR ENROLLMENT IN 321

NIGHT EXAMINATIONS SCHEDULED.

PREREQ: CREDIT OR ENROLLMENT IN 321

NIGHT EXAMINATIONS SCHEDULED.

PREREQ: CREDIT OR ENROLLMENT IN 321

NIGHT EXAMINATIONS SCHEDULED.

PREREQ: CREDIT OR ENROLLMENT IN 321

NIGHT EXAMINATIONS SCHEDULED.

PREREQ: CREDIT OR ENROLLMENT IN 321

NIGHT EXAMINATIONS SCHEDULED.

PREREQ: CREDIT OR ENROLLMENT IN 321

NIGHT EXAMINATIONS SCHEDULED.

PREREQ: CREDIT OR ENROLLMENT IN 321

NIGHT EXAMINATIONS SCHEDULED.

PREREQ: CREDIT OR ENROLLMENT IN 321

NIGHT EXAMINATIONS SCHEDULED.

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NIGHT EXAMINATIONS SCHEDULED.

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NIGHT EXAMINATIONS SCHEDULED.

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NIGHT EXAMINATIONS SCHEDULED.

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NIGHT EXAMINATIONS SCHEDULED.

PREREQ: CREDIT OR ENROLLMENT IN 321

NIGHT EXAMINATIONS SCHEDULED.

PREREQ: CREDIT OR ENROLLMENT IN 321

NIGHT EXAMINATIONS SCHEDULED.

PREREQ: CREDIT OR ENROLLMENT IN 321

NIGHT EXAMINATIONS SCHEDULED.

PREREQ: CREDIT OR ENROLLMENT IN 321

NIGHT EXAMINATIONS SCHEDULED.

PREREQ: CREDIT OR ENROLLMENT IN 321

NIGHT EXAMINATIONS SCHEDULED.
## CHEMISTRY

### PHYSICAL CHEMISTRY II CHEM 322 3 CR.
- **PREREQ:** CHEM 321
- ** AVAILABLE FOR NONMAJOR GRADUATE CREDIT.**
- **SYLLABUS:** http://avogadro.chem.iastate.edu/chem322/syllabus
- **SECTION INFO:** http://avogadro.chem.iastate.edu/chem322/
- **T 1:10-3:00**

<table>
<thead>
<tr>
<th>Section</th>
<th>Days</th>
<th>Time</th>
<th>Instructor</th>
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<tbody>
<tr>
<td>5270015</td>
<td>MWF</td>
<td>9:00-9:50</td>
<td>POHL N</td>
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</tbody>
</table>

### PHYSICAL CHEM LAB CHEM 322L 3 CR.
- **NIGHT EXAMINATIONS SCHEDULED.**
- **PREREQ:** CREDIT OR ENROLLMENT FOR CREDIT IN 322
- ** AVAILABLE FOR NONMAJOR GRADUATE CREDIT.**
- **MATERIALS FEE $37.00**
- **2515015**
- **TRAHANOVSKY K**

### ORGANIC CHEMISTRY I CHEM 331 3 CR.
- **PREREQ:** 178, ENROLLMENT IN 331L HIGHLY RECOMMENDED
- ** AVAILABLE FOR NONMAJOR GRADUATE CREDIT.**
- **MATERIALS FEE $37.00**
- **2516005**
- **TRAHANOVSKY K**

### LAB IN ORGANIC CHEM CHEM 331L 1 CR.
- **PREREQ:** CREDIT OR ENROLLMENT FOR CREDIT IN 331
- ** MATERIALS FEE $37.00**
- **5270005**
- **TRAHANOVSKY K**

### CHEMISTRY

### ORGANIC CHEMISTRY II CHEM 332 3 CR.
- **NIGHT EXAMINATIONS SCHEDULED.**
- **PREREQ:** 331, ENROLLMENT IN 332L HIGHLY RECOMMENDED
- ** AVAILABLE FOR NONMAJOR GRADUATE CREDIT.**
- **MATERIALS FEE $37.00**
- **2517005**
- **TRAHANOVSKY K**

### LAB IN ORGANIC CHEM CHEM 332L 1 CR.
- **PREREQ:** 331L, CREDIT OR ENROLLMENT FOR CREDIT IN 332
- ** MATERIALS FEE $37.00**
- **5272005**
- **TRAHANOVSKY K**

---

**SPRING 2005**  Last Updated 09-17-2004
CHEMISTRY

LAB IN ORGANIC CHEM CHEM 332L 1 CR.
SYLLABUS: http://avogadro.chem.iastate.edu/chem332l/
5272020 4 R 9:00-9:50 POHL N
R 10:00-11:50
SECTION INFO: http://avogadro.chem.iastate.edu/chem332l/
SYLLABUS: http://avogadro.chem.iastate.edu/chem332l/
5272025 5 R 12:10-1:00 POHL N
R 1:10-3:00
SECTION INFO: http://avogadro.chem.iastate.edu/chem332l/
SYLLABUS: http://avogadro.chem.iastate.edu/chem332l/
5272030 6 R 3:40-4:30 POHL N
R 4:40-6:30PM
SECTION INFO: http://avogadro.chem.iastate.edu/chem332l/
SYLLABUS: http://avogadro.chem.iastate.edu/chem332l/

LAB IN ORGANIC CHEM CHEM 334L 2 CR.
PREREQ: 333L, CR OR ENROLLMENT FOR CREDIT IN 332
COURSE RESTRICTED TO AGBIO, BIOPH, BIOCH, CHEM
MAJORS ONLY
MATERIALS FEE $37.00
5645005 MW 3:10-4:00 TRAHANOVSKY W
MW 4:10-6:00PM
SECTION INFO: http://avogadro.chem.iastate.edu/chem334l/
SYLLABUS: http://avogadro.chem.iastate.edu/chem334l/

UNDERGRAD RESEARCH CHEM 399 VAR. CR.
PREREQ: PERMISSION OF INSTRUCTOR WITH WHOM
STUDENT PROPOSES TO WORK AND JR OR SR CLASSIFICATION
NO MORE THAN 6 TOTAL CREDITS OF CHEM 399 AND
499 MAY BE APPLIED TOWARD GRADUATION
******* SEE DEPT FOR REFERENCE NUMBERS

INDEPENDENT STUDY CHEM 490 VAR. CR.
PREREQ: COMPLETION OF 6 CREDITS IN CHEM AT THE
300 LEVEL OR HIGHER AND INSTRUCTOR PERMISSION
NO MORE THAN 9 CREDITS OF CHEM 490 MAY BE
APPLIED TOWARD GRADUATION
2527005 ARRANGED

SENIOR RESEARCH CHEM 499 2-3 CR.
PREREQ: PERMISSION OF INSTRUCTOR WITH WHOM
STUDENT PROPOSES TO WORK; B AVG IN ALL CHEMISTRY,
PHYSICS, AND MATHEMATICS COURSES
NO MORE THAN SIX TOTAL CREDITS OF CHEM 399 AND
CHEM 499 MAY BE APPLIED TOWARD GRADUATION
******* SEE DEPT FOR REFERENCE NUMBERS

BIOINORGANIC CHEM CHEM 503 2 CR.
PREREQ: 402 OR BBMB 405
2511005 TR 9:30-10:20 KOSTIC N
SECTION INFO: http://avogadro.chem.iastate.edu/chem503/
SYLLABUS: http://avogadro.chem.iastate.edu/chem503/syllabus

SYSTEMATIC INORGANIC CHEM 506 3 CR.
PREREQ: 402 OR 500; 322
2533005 MWF 9:00-9:50 ESPENSON J
SECTION INFO: http://avogadro.chem.iastate.edu/chem506/
SYLLABUS: http://avogadro.chem.iastate.edu/chem506/syllabus

ADV QUANT ANALYSIS CHEM 511 3 CR.
PREREQ: 316 AND 316L
2516005 MWF 8:00-8:50 ARMSTRONG D
SECTION INFO: http://avogadro.chem.iastate.edu/chem511/
SYLLABUS: http://avogadro.chem.iastate.edu/chem511/syllabus

CHEMISTRY

ANALYT SPECTROSCOPY CHEM 513 3 CR.
PREREQ: 316, 316L, 322, 322L
2538005 MWF 10:00-10:50 HOUK R
SECTION INFO: http://avogadro.chem.iastate.edu/chem513/
SYLLABUS: http://avogadro.chem.iastate.edu/chem513/

ORGANIC SYNTHESIS I CHEM 531 2 CR.
PREREQ: 322
9267005 TR 10:00-10:50 LAROCK R
SECTION INFO: http://avogadro.chem.iastate.edu/chem531/
SYLLABUS: http://avogadro.chem.iastate.edu/chem531/syllabus

PHYS ORGANIC CHEM II CHEM 538 3 CR.
PREREQ: 537
2543005 MWF 11:00-11:50 ZHAO Y
SECTION INFO: http://avogadro.chem.iastate.edu/chem538/
SYLLABUS: http://avogadro.chem.iastate.edu/chem538/syllabus

SAFETY IN CHEM LAB CHEM 550 1 CR.
SATISFACTORY-FAIL ONLY.
PREREQ: 332L
4295005 M 4:10-5:00 MILLER G
SECTION INFO: http://avogadro.chem.iastate.edu/chem550/
SYLLABUS: http://avogadro.chem.iastate.edu/chem550/syllabus

CHEMICAL PEDAGOGY CHEM 555 1 CR.
SATISFACTORY-FAIL ONLY.
PREREQ: 332
2546005 TR 12:40-1:30 GREENBOWE T
SECTION INFO: http://avogadro.chem.iastate.edu/chem555/
SYLLABUS: http://avogadro.chem.iastate.edu/chem555/syllabus

ATOMIC&MOLEC Q MECH CHEM 562 3 CR.
PREREQ: 561, CREDIT OR ENROLLMENT IN 583
2549005 M 12:10-2:00 W 1:10-2:00 GORDON M
SECTION INFO: http://avogadro.chem.iastate.edu/chem562/
SYLLABUS: http://avogadro.chem.iastate.edu/chem562/syllabus

STATISTCL MECHANICS CHEM 563 3 CR.
PREREQ: 322
2550005 MW 10:00-11:30 SONG X
SECTION INFO: http://avogadro.chem.iastate.edu/chem563/
SYLLABUS: http://avogadro.chem.iastate.edu/chem563/syllabus

SOLID-STATE CHEM CHEM 571 3 CR.
PREREQ: 301,322
2554005 MWF 2:10-3:00 MILLER G
SECTION INFO: http://avogadro.chem.iastate.edu/chem571/
SYLLABUS: http://avogadro.chem.iastate.edu/chem571/syllabus

MASS SPECTROMETRY CHEM 577 2 CR.
PREREQ: PERMISSION OF INSTRUCTOR
2560005 TR 9:00-9:50 BADMAN R
SECTION INFO: http://avogadro.chem.iastate.edu/chem577/
SYLLABUS: http://avogadro.chem.iastate.edu/chem577/syllabus

CURRENT TOPICS CHEM CHEM 589 R CR.
3778005 R 8:00-9:30PM THIEL P
SECTION INFO: http://www.chem.iastate.edu/seminar.php
SYLLABUS: http://www.chem.iastate.edu/seminar.php
### CHEMISTRY

**Nonthesis Research**  
CHEM 599  
**CR.**  
**PREREQ:** PERMISSION OF INSTRUCTOR CONCERNED  
******* SEE DEPT FOR REFERENCE NUMBERS  
**Section Info:** http://www.chem.iastate.edu/seminar.php  
**Syllabus:** http://www.chem.iastate.edu/seminar.php

**Seminar Inorganic Chemistry**  
CHEM 600  
**1 CR.**  
**PREREQ:** PERMISSION OF INSTRUCTOR  
**Section Info:** http://www.chem.iastate.edu/seminar.php  
**Syllabus:** http://www.chem.iastate.edu/seminar.php

**Seminar Analytic Chemistry**  
CHEM 611  
**1 CR.**  
**PREREQ:** PERMISSION OF INSTRUCTOR  
**Section Info:** http://www.chem.iastate.edu/seminar.php  
**Syllabus:** http://www.chem.iastate.edu/seminar.php

**Seminar Organic Chemistry**  
CHEM 631  
**1 CR.**  
**PREREQ:** PERMISSION OF INSTRUCTOR  
**Section Info:** http://www.chem.iastate.edu/seminar.php  
**Syllabus:** http://www.chem.iastate.edu/seminar.php

**Select Top Organic Chemistry**  
CHEM 632  
**1 CR.**  
**PREREQ:** 537  
**Section Info:** http://avogadro.chem.iastate.edu/chem632/syllabus

**Seminar Physical Chemistry**  
CHEM 660  
**1 CR.**  
**PREREQ:** PERMISSION OF INSTRUCTOR  
**Section Info:** http://www.chem.iastate.edu/seminar.php  
**Syllabus:** http://www.chem.iastate.edu/seminar.php

**Independent Study**  
CHEM 490  
**1-6 CR.**  
**PREREQ:** 6 CR IN CHEMISTRY; PERMISSION OF DEPARTMENT CHAIR  
**PERMISSION OF DEPARTMENT CHAIR REQUIRED, PROCESS APPROVED ADD SLIP IN 10 ALUMNI HALL  
******* SEE DEPT FOR REFERENCE NUMBERS

### CIVIL ENGINEERING

**Civil Engineering Projects**  
CE 104  
**1 CR.**  
**Field Trips & Travel Fee $10.00-$50.00  
**Section Info:** http://www.chem.iastate.edu/seminar.php  
**Syllabus:** http://www.chem.iastate.edu/seminar.php

**Fund of Surveying I**  
CE 111  
**3 CR.**  
**PREREQ:** 103, 160; CREDIT OR ENROLLMENT IN ENGR 170 OR CE 170, MATH 165, CREDIT OR ENROLLMENT IN CE 104 FOR CE MAJORS  
**Section Info:** http://www.chem.iastate.edu/seminar.php  
**Syllabus:** http://www.chem.iastate.edu/seminar.php

**Civil Engineering Graphics**  
CE 170  
**2 CR.**  
**PREREQ:** MATH 165, CREDIT OR ENROLLMENT IN C E 104  
**Section Info:** http://www.chem.iastate.edu/seminar.php  
**Syllabus:** http://www.chem.iastate.edu/seminar.php

**Civil Engineering Synthesis I**  
CE 203  
**2 CR.**  
**PREREQ:** 104, 160, ENGL 105, CHEM 167 OR 177  
**Section Info:** http://www.chem.iastate.edu/seminar.php  
**Syllabus:** http://www.chem.iastate.edu/seminar.php

**Civil Engineering Synthesis II**  
CE 204  
**2 CR.**  
**PREREQ:** 111, 203, PHYS 221, E M 274  
**Section Info:** http://www.chem.iastate.edu/seminar.php  
**Syllabus:** http://www.chem.iastate.edu/seminar.php

**Cooperative Education**  
CE 298  
**R CR.**  
**SATISFACTORY-FAIL ONLY.**  
**PREREQ:** PERMISSION OF DEPARTMENT CHAIR  
**PERMISSION OF ADVISER & CAREER SERVICES REQUIRED, COLLEGE WILL REGISTER STUDENT  
**Section Info:** http://www.chem.iastate.edu/seminar.php  
**Syllabus:** http://www.chem.iastate.edu/seminar.php

**Professional Issues**  
CE 303  
**2 CR.**  
**PREREQ:** 204, SP CM 212  
**Section Info:** http://www.chem.iastate.edu/seminar.php  
**Syllabus:** http://www.chem.iastate.edu/seminar.php

### CHINESE

**Elementary Mandarin II**  
CHIN 102  
**5 CR.**  
**PREREQ:** 101  
**Testout Not Available If Also Registered**  
**Meets International Perspectives Reqmt.**  
**Section Info:** http://avogadro.chem.iastate.edu/chem102/syllabus

**Intermediate Mandarin II**  
CHIN 202  
**5 CR.**  
**PREREQ:** 201  
**Testout Not Available If Also Registered.**  
**Topic: “Modernity, Subjectivity and Nation in Modern Chinese Literature.”**  
**Meets International Perspectives Reqmt.**  
**Section Info:** http://avogadro.chem.iastate.edu/chem202/syllabus

**China Today**  
CHIN 375  
**3 CR.**  
**PREREQ:** ENGL 105 OR EQUIVALENT  
**Meets International Perspectives Reqmt.**  
**Section Info:** http://avogadro.chem.iastate.edu/chem375/syllabus

**Independent Study**  
CHIN 490  
**1-6 CR.**  
**PREREQ:** 6 CR IN CHINESE; PERMISSION OF DEPARTMENT CHAIR AVAILABLE FOR NONMAJOR GRADUATE CREDIT.  
**PERMISSION OF DEPARTMENT CHAIR REQUIRED, PROCESS APPROVED ADD SLIP IN 10 ALUMNI HALL  
******* SEE DEPT FOR REFERENCE NUMBERS
CIVIL ENGINEERING

PROJECT LIFE CYCLE  C E  304  2 CR.
PREREQ: 303
FIELD TRIPS & TRAVEL FEE $10.00-$50.00
2922005  1 MW 4:10-5:00

PRIN ENVIRONMT ENGR  C E  326  3 CR.
PREREQ: CHEM 167 OR 178, MATH 166, CREDIT OR ENROLLMENT IN E M 378
COURSE NOT OPEN TO FRESHMEN OR SOPHOMORES AVAILABLE FOR NONMAJOR GRADUATE CREDIT.
2282005  1 MF 10:00-10:50
2282010  2 MF 10:00-10:50
W 2:10-4:00

STRUCTURAL ANALYS I  C E  332  3 CR.
NIGHT EXAMINATIONS SCHEDULED.
PREREQ: E M 324 AVAILABLE FOR NONMAJOR GRADUATE CREDIT.
2283005  1 MF 1:10-2:00
W 2:10-3:00
2283010  2 MF 1:10-2:00
F 2:10-3:00
2283015  3 MF 8:00-8:50
W 9:00-9:50
2283020  4 MF 8:00-8:50
F 9:00-9:50

STRUCT STEEL DSGN I  C E  333  3 CR.
NIGHT EXAMINATIONS SCHEDULED.
PREREQ: 332, E M 327 AVAILABLE FOR NONMAJOR GRADUATE CREDIT.
2284005  1 MF 10:00-10:50
W 10:00-11:50
2284010  2 MF 10:00-10:50
W 2:10-4:00

REIN CONCRETE DSN I  C E  334  3 CR.
NIGHT EXAMINATIONS SCHEDULED.
PREREQ: 332, E M 327 AVAILABLE FOR NONMAJOR GRADUATE CREDIT.
2285005  1 MF 1:10-2:00
W 2:10-3:00
2285010  2 MF 1:10-2:00
F 2:10-3:00
2285015  3 MF 8:00-8:50
W 9:00-9:50
2285020  4 MF 8:00-8:50
F 9:00-9:50

INTRO TRANSPRT PLAN  C E  350  3 CR.
PREREQ: 3 CR IN STAT, JR CLASSIFICATION C E 350 NOT AVAILABLE FOR GRADUATION CREDIT FOR STUDENTS IN CIVIL ENGINEERING
2286005  1 TR 2:10-3:30

PRIN TRANSPORTN ENG  C E  355  2 CR.
PREREQ: 111, 203, PHYS 221, COURSE IN STAT FROM THE APPROVED DEPARTMENTAL LIST AVAILABLE FOR NONMAJOR GRADUATE CREDIT.
2287005  1 TR 2:10-3:00

SOIL ENGINEERING  C E  360  3 CR.
NIGHT EXAMINATIONS SCHEDULED.
PREREQ: E M 324, CREDIT OR ENROLLMENT IN GEOL 201 MATERIALS FEE $5.00-$25.00 AVAILABLE FOR NONMAJOR GRADUATE CREDIT.
2288005  1 MF 12:10-1:00
T 8:00-10:50

SOIL ENGINEERING  C E  360  3 CR.
PREREQ: E M 324, CREDIT OR ENROLLMENT IN GEOL 201 MATERIALS FEE $5.00-$25.00 AVAILABLE FOR NONMAJOR GRADUATE CREDIT.
2289005  1 MW 3:10-4:00

LAND SURVEYING  C E  417  3 CR.
PREREQ: 111 AVAILABLE FOR NONMAJOR GRADUATE CREDIT.
7565005  1 TF 12:10-1:00
W 3:10-6:00PM

CIVIL ENGINEERING

SOIL ENGINEERING  C E  360  3 CR.
2291010  2 MF 12:10-1:00
T 12:10-3:00
2291015  3 MF 12:10-1:00
R 8:00-10:50
2291020  4 MF 12:10-1:00
R 12:10-3:00
2291025  5 MF 12:10-1:00
R 3:10-6:00PM

ENGR HYDROL&HYDRAUL  C E  372  4 CR.
PREREQ: E M 378, A COURSE IN STATISTICS FROM THE APPROVED DEPARTMENT LIST AVAILABLE FOR NONMAJOR GRADUATE CREDIT.
2293005  1 MWF 9:00-9:50
T 4:10-6:00PM
2293010  2 MWF 9:00-9:50
R 4:10-6:00PM

DESIGN OF CONCRETES  C E  382  3 CR.
PREREQ: 360 MATERIALS FEE $10.00-$25.00 AVAILABLE FOR NONMAJOR GRADUATE CREDIT.
2294005  1 M 2:10-3:00
TR 8:00-10:50
2294010  2 M 2:10-3:00
WP 12:10-3:00
2294015  3 M 2:10-3:00
TR 12:10-3:00

DSGN PORTLAND CEMNT  C E  383  1 CR.
PREREQ: 360. FOR CON E STUDENTS ONLY. MATERIALS FEE $10.00-$25.00
9480005  1 W 3:10-5:00
9480010  2 R 3:10-5:00

ENGINEER INTERNSHIP  C E  397  R CR.
SATISFACTORY-FAIL ONLY.
PREREQ: PERMISSION OF DEPARTMENT CHAIR PERMISSION OF ADVISER & CAREER SERVICES REQUIRED, COLLEGE WILL REGISTER STUDENT 8692005 ARRANGED

COOPERATIVE EDUC  C E  398  R CR.
SATISFACTORY-FAIL ONLY.
PREREQ: 298, PERMISSION OF DEPARTMENT CHAIR PERMISSION OF ADVISER & CAREER SERVICES REQUIRED, COLLEGE WILL REGISTER STUDENT 2295005 ARRANGED

PROG&OUTCOME ASSESS  C E  403  R CR.
SATISFACTORY-FAIL ONLY.
PREREQ: VERIFICATION OF UNDERGRAD APPLICATION FOR GRADUATION BY THE END OF THE FIRST WEEK OF CLASS, INSTR PERM 8692005 ARRANGED

LAND SURVEYING  C E  417  3 CR.
PREREQ: 111 AVAILABLE FOR NONMAJOR GRADUATE CREDIT.
7565005  1 TF 12:10-1:00
W 3:10-6:00PM
### CIVIL ENGINEERING

<table>
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<tr>
<th>Course Code</th>
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<td>C E 428</td>
<td>WASTEWTR TREATM DSN</td>
<td>3 CR.</td>
<td>PREREQ: 326 6106005 1 MWF 9:00-9:50</td>
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<td>C E 446</td>
<td>BRIDGE DESIGN</td>
<td>3 CR.</td>
<td>PREREQ: 333, 334, MATERIALS FEE $10.00-$25.00 AVAILABLE FOR NONMAJOR GRADUATE CREDIT. 2300005 1 MW 3:10-5:00</td>
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<td>C E 453</td>
<td>HIGHWAY DESIGN</td>
<td>4 CR.</td>
<td>PREREQ: 304, 355, 372, 382 AVAILABLE FOR NONMAJOR GRADUATE CREDIT. 2302005 1 MWF 9:00-9:50 R 2:10-4:00 2302010 2 MWF 9:00-9:50 R 4:10-6:00PM</td>
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<tr>
<td>C E 460</td>
<td>FOUNDATIONS</td>
<td>3 CR.</td>
<td>PREREQ: 360 AVAILABLE FOR NONMAJOR GRADUATE CREDIT. 2303005 1 MW 2:10-3:00</td>
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<tr>
<td>C E 485</td>
<td>CIVIL ENGR DESIGN I</td>
<td>2 CR.</td>
<td>PREREQ: 304, SP CM 212 2131005 1 M 12:10-1:00 T 3:10-5:00 2131010 2 M 12:10-1:00 F 3:10-5:00</td>
</tr>
<tr>
<td>C E 486</td>
<td>CIVIL ENGR DESIGN II</td>
<td>3 CR.</td>
<td>PREREQ: 326, 333 OR 334, 382, 485, CREDIT OR ENROLLMENT IN 428 OR 453 9481005 1 M 11:00-11:50 W 10:00-1:00 9481010 2 M 11:00-11:50 F 10:00-1:00 9481015 3 M 11:00-11:50 T 11:00-2:00</td>
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<td>C E 490</td>
<td>INDEPENDENT STUDY</td>
<td>1-6 CR.</td>
<td>PREREQ: PERMISSION OF INSTRUCTOR ----- SEE DEPT FOR REFERENCE NUMBERS</td>
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<tr>
<td>C E 490H</td>
<td>INDEP STUDY HONORS</td>
<td>1-6 CR.</td>
<td>PREREQ: PERMISSION OF INSTRUCTOR, MEMBERSHIP IN THE HONORS PROGRAM ---- SEE DEPT FOR REFERENCE NUMBERS</td>
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<tr>
<td>C E 498</td>
<td>COOPERATIVE EDUC</td>
<td>R CR.</td>
<td>SATISFACTORY-FAIL ONLY. PREREQ: 398, PERMISSION OF DEPT CHAIR PERMISSION OF ADVISER &amp; CAREER SERVICES REQUIRED, COLLEGE WILL REGISTER STUDENT 2309005 ARRANGED</td>
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<tr>
<td>C E 505</td>
<td>DESIGN CONSTR SYS</td>
<td>3 CR.</td>
<td>PREREQ: 334, 360, CON E 322 AND 340 MATERIALS AND FIELD TRIPS &amp; TRAVEL FEE $5.00-$50.00 1947005 1 ARRANGED</td>
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</table>

### Additional Courses

- **CIVIL ENGINEERING**
- **CONSTR:INFO TECHNOL C E 510 3 CR.**
  - PREREQ: CON E 421, ENGR 160 OR C E 160 OR EQUIV 8712005 1 ARRANGED
- **WTR POLL CNTRL PROC C E 522 3 CR.**
  - PREREQ: 521 2320005 1 T 8:00-9:50 R 8:00-9:50
- **PHY-CHEM TREAT PROC C E 523 3 CR.**
  - PREREQ: 520 2321005 1 MF 1:10-2:00 W 1:10-3:00
- **HAZARDOUS WASTE MGT C E 529 3 CR.**
  - PREREQ: 326 8956005 1 ARRANGED
- **STRUCT STEEL DSN II C E 533 3 CR.**
  - PREREQ: 333 2331005 1 MW 2:10-3:00
- **PRESTRESS CONCR STR C E 535 3 CR.**
  - PREREQ: 334 2338005 1 ARRANGED
- **STRUC ANLY FIN ELEM C E 542 3 CR.**
  - PREREQ: 532 2324005 1 ARRANGED
- **ADV HIGHWAY DESIGN C E 550 3 CR.**
  - PREREQ: 453 2334005 1 ARRANGED
- **TRAFFIC ENGINEERING C E 553 3 CR.**
  - PREREQ: 355 2336005 1 ARRANGED
- **TRANS INFRASTR MGT C E 559 3 CR.**
  - PREREQ: 355 OR 453, 382 7776005 1 ARRANGED
- **NUM METH&GEOTCH DSN C E 564 3 CR.**
  - PREREQ: 560 2342005 1 ARRANGED
- **SURFC WTR HYDROLOGY C E 571 3 CR.**
  - PREREQ: 372 2343005 1 MW 3:10-4:00
- **ADV PVMT ANALY&DSN C E 582X 3 CR.**
  - PREREQ: 382 OR EQUIVALENT OR PERMISSION OF INSTRUCTOR 7782005 1 ARRANGED
- **SPECIAL TOPICS C E 590 1-5 CR.**
  - PREREQ: 590 1-5 CR. ----- SEE DEPT FOR REFERENCE NUMBERS
- **SEMIN ENVR ENGR C E 591 R CR.**
  - SATISFACTORY-FAIL ONLY. PREREQ: GRADUATE CLASSIFICATION 1658005 1 T 11:00-11:50
CIVIL ENGINEERING

CREATIVE COMPONENT  C E  599  1- 3 CR.

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

ADV TP BEHV METL ST  C E  649A  3 CR.
PREREQ: PERMISSION OF STRUCTURAL ENGR GRAD FACULTY
2362005  ARRANGED

ADV TOP CONCR SHELL  C E  649B  3 CR.
PREREQ: PERMISSION OF STRUCTURAL ENGR GRAD FACULTY
2363005  ARRANGED

ADV TP MATRIX ANALY  C E  649D  3 CR.
PREREQ: PERMISSION OF STRUCTURAL ENGR GRAD FACULTY
2365005  ARRANGED

ADV TOP DYNAMIC DSN  C E  649E  3 CR.
PREREQ: PERMISSION OF STRUCTURAL ENGR GRAD FACULTY
2366005  ARRANGED

ADVANCED TOPICS  C E  690  1- 3 CR.
PREREQ: PRE-ENROLLMENT CONTRACT REQUIRED

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

ENGINEER INTERNSHIP  C E  697X  R CR.
SATISFACTORY-FAIL ONLY.
PREREQ: PERMISSION OF COOP ADVISER, GRAD CLASSIF
DEPARTMENT PERMISSION REQUIRED, PROCESS
APPROVED ADD SLIP IN 10 ALUMNI HALL
7416005  1 ARRANGED

RESEARCH  C E  699  VAR. CR.

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

CLASSICAL STUDIES

THE ANCIENT CITY  CL ST 275  3 CR.
MEETS INTERNATIONAL PERSPECTIVES REQMT.
4315005  1 TR 12:40-2:00
4315010  2 TR 12:40-2:00

RHETO&HIST OF IDEAS  CL ST 350  3 CR.
PREREQ: ENGL 105
2176005  A TR 2:10-3:30

WLD LIT:ANCT-RENAIS  CL ST 353  3 CR.
PREREQ: ENGL 105
MEETS INTERNATIONAL PERSPECTIVES REQMT.
2585005  A1 TR 3:40-5:00
SECTION A1 RESTRICTED TO ENGL, TCOMM
MAJORS ONLY
2585010  A2 TR 3:40-5:00
SECTION A2 RESTRICTED TO MAJORS OTHER THAN
ENGL, TCOMM

GREEK & ROMAN DRAMA  CL ST 372  3 CR.
PREREQ: 273 OR 275 OR ONE YEAR OF LATIN OR GREEK
MEETS INTERNATIONAL PERSPECTIVES REQMT.
2587005  TR 2:10-3:25

WOMN ANCIENT MEDITE  CL ST 374  3 CR.
PREREQ: ANY ONE COURSE IN CL ST, W S, LATIN, OR GREEK
MEETS INTERNATIONAL PERSPECTIVES REQMT.
8164005  MWF 11:00-11:50

CLASSICAL STUDIES

INTR ARCHAEOLOGY GREEK  CL ST 394  2 CR.
MEETS INTERNATIONAL PERSPECTIVES REQMT.
5095005  M 4:10-5:50
INSTRUCTOR PERMISSION REQUIRED, PROCESS
APPROVED ADD SLIP IN 10 ALUMNI HALL

ANCIENT ROME II  CL ST 404  3 CR.
PREREQ: SOPHOMORE CLASSIFICATION
COURSE RESTRICTED TO SOPH AND ABOVE
AVAILABLE FOR NONMAJOR GRADUATE CREDIT.
1954005  1 MWF 11:00-11:50

INDEPENDENT STUDY  CL ST 490  1- 6 CR.
PREREQ: 7 CR IN CL ST AT 200 LEVEL OR HIGHER;
PERMISSION OF THE PROGRAM CHAIR

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

COMMUNICATION DISORDERS

INTRO COMM DISORDER  CMDIS 275  3 CR.
2611005  TR 12:40-2:00

PHONETICS&PHONOLOGY  CMDIS 371  3 CR.
PREREQ: 275 OR ENGL 219
2610005  TR 9:30-10:50

COMMUNICATION STUDIES

INTRO COMMUNICATION STDY  COMST 101  3 CR.
7918005  1 MWF 3:10-4:00

INTRO INTERPR COMM  COMST 102  3 CR.
8105005  1A MWF 9:00-9:50
SECTION 1A RESTRICTED TO COMST MAJORS
8105010  1B MWF 9:00-9:50
SECTION 1B FOR MAJORS OTHER THAN COMST

INTRO COM RSCH MTD  COMST 203  3 CR.
5123005  1 TR 9:30-10:50

CONFLICT MANAGEMENT  COMST 218  3 CR.
7314005  1A MWF 1:10-2:00
SECTION 1A RESTRICTED TO COMST MAJORS ONLY
7314010  1B MWF 1:10-2:00
SECTION 1B FOR MAJORS OTHER THAN COMST

HUMAN COMMUNIC THRY  COMST 301  3 CR.
5123005  1 TR 9:30-10:50

INTERCULTURAL COMM  COMST 310  3 CR.
PREREQ: 101
COURSE RESTRICTED TO COMST MAJORS ONLY
6593005  1 MWF 11:00-11:50

INTERPERSONAL COMM  COMST 311  3 CR.
PREREQ: 102, 203, 301
COURSE RESTRICTED TO COMST MAJORS ONLY
6428005  1 MWF 10:00-10:50
COMMUNICATION STUDIES

SMALL GROUP COMM      COMST 317      3 CR.
PREREQ: 101 OR 102, 203, 301
COURSE RESTRICTED TO COMST MAJORS ONLY
6433005   1 TR 11:00-12:20

NONVERBAL COMMUNIC    COMST 325      3 CR.
PREREQ: 101 OR 102; 203, 301
COURSE RESTRICTED TO COMST MAJORS ONLY
3920005   1 TR 8:00-9:20

SEM INTRPERSNL COMM   COMST 404B     3 CR.
PREREQ: 311, ANOTHER 3 CR 300-LEVEL COMST COURSE
2928005     T 6:30-9:00PM
INSTRUCTOR PERMISSION REQUIRED, PROCESS
APPROVED ADD SLIP IN 10 ALUMNI HALL

INDEPENDENT STUDY COMST 490  1-  3 CR.
PREREQ: 9 CREDITS IN COMST, JUNIOR CLASSIFICATION
NO MORE THAN 6 CREDITS OF COMST 490 MAY BE
USED TOWARD DEGREE REQUIREMENTS
INSTRUCTOR PERMISSION REQUIRED, PROCESS
APPROVED ADD SLIP IN 10 ALUMNI HALL
*******  SEE DEPT FOR REFERENCE NUMBERS

COMMUNITY & REGIONAL PLANNING

PLAN ANALY&TECHNQ I C R P 272  3 CR.
PREREQ: COM S 103
2383005   A TR 3:10-4:00
2383010   B TR 3:10-4:00
R 1:10-3:00

URBAN FORM C R P 320  3 CR.
PREREQ: 253 OR 270, OR PERMISSION OF INSTRUCTOR
8073005   MWF 1:10-2:00
OMUSU F
SECTION INFO:
http://www.public.iastate.edu/~efowusu/cour

PRACTICUM C R P 330  1-  3 CR.
SATISFACTORY-FAIL ONLY.
PREREQ: MAJOR IN COMMUNITY AND REGIONAL PLANNING
2386005   ARRANGED
JESKE K

RURAL,URB&REGN ECON C R P 376  3 CR.
PREREQ: ECON 101
AVAILABLE FOR NONMAJOR GRADUATE CREDIT.
2227005   1 MWF 1:10-2:00
FRANKEL D

PLAN PROCESS THEORY C R P 383  3 CR.
PREREQ: 253 OR 270; JUNIOR STATUS
2388005   A TR 9:30-10:50
BRADBURY S

PRO WORK EXPERIENCE C R P 410  R CR.
PREREQ: PERMISSION OF DEPARTMENT CHAIR
2710005     ARRANGED
BORICH T

PLAN DEVE COUNTRIES C R P 429  3 CR.
PREREQ: JUNIOR CLASSIFICATION
2988005   TR 3:40-5:00
OMUSU F
SECTION INFO:
http://www.public.iastate.edu/~efowusu/cour

COMMUNITY DEVEL PLAN C R P 432  4 CR.
PREREQ: 272, 274, SENIOR CLASSIFICATION
2391005   A MWF 2:10-4:30

SITE ANALYS&DEV DES C R P 442  3 CR.
PREREQ: 253, 272. MUST BE TAKEN PRIOR TO
COMPLETING 12 CREDITS IN LA.
8760005   T 6:00-9:00PM

INTRO GEOG INFO SYS C R P 451  3 CR.
9410005   A MW 10:00-10:50
PLAZAK D
9410010   B MW 10:00-10:50
PLAZAK D
SECTION INFO:
http://www.public.iastate.edu/~ehaddad/cour

FORCES SHAP METRO E C R P 270  3 CR.
PREREQ: MUST BE TAKEN PRIOR TO COMPLETING 9
CREDITS IN C R P
MEETS U.S. DIVERSITY REQMT.
2382005   A MWF 1:10-2:00
2382010   B MWF 1:10-2:00
BRADBURY S
JESKE K
SECTION B RESTRICTED TO C R P MAJORS
ONLY

SECTION INFO:
http://www.public.iastate.edu/~ehaddad/cour
COMMUNITY & REGIONAL PLANNING

COMMUNITY ECON DEVT C R P 455 3 CR.
PREREQ: SOPHOMORE CLASSIFICATION
923005 TR 2:10-3:30 MAHAYNI R

SUSTAINABLE COMMUN C R P 484 3 CR.
PREREQ: SENIOR STATUS
7041005 TR 2:10-3:30 CLAPP T
SECTION INFO:
http://www.public.iastate.edu/~tlclapp/

INDEPENDENT STUDY C R P 490 1-3 CR.
SATISFACTORY-FAIL ONLY.
PREREQ: WRITTEN APPROVAL OF INSTRUCTOR AND DEPARTMENT CHAIR ON REQUIRED FORM.
INSTRUCTOR PERMISSION REQUIRED 1ST WEEK, PROCESS APPROVED ADD SLIP IN 10 ALUMNI HALL
****** SEE DEPT FOR REFERENCE NUMBERS

INDEPENDENT STUDY HONORS C R P 490H 1-3 CR.
SATISFACTORY-FAIL ONLY.
PREREQ: WRITTEN APPROVAL OF INSTRUCTOR AND DEPARTMENT CHAIR ON REQUIRED FORM.
INSTRUCTOR PERMISSION REQUIRED 1ST WEEK, PROCESS APPROVED ADD SLIP IN 10 ALUMNI HALL
****** SEE DEPT FOR REFERENCE NUMBERS

ENVIRONMENTAL LAW C R P 491 3 CR.
PREREQ: 6 CREDITS IN NATURAL SCIENCES
2396005 TR 8:00-9:20 CLAPP T
SECTION INFO:
http://www.public.iastate.edu/~tlclapp/

PRO WORK EXPERIENCE C R P 510 R CR.
PREREQ: PERMISSION OF DEPARTMENT CHAIR
2713005 ARRANGED BORICH T

ECON ANALY PBLC PLN C R P 523 3 CR.
PREREQ: GRADUATE CLASSIFICATION
INSTRUCTOR PERMISSION REQUIRED 1ST WEEK, PROCESS APPROVED ADD SLIP IN 10 ALUMNI HALL
9491005 MW 11:00-11:50 SWENSON D

SOCIAL POLICY PLANN C R P 527 3 CR.
PREREQ: GRADUATE CLASSIFICATION MEETS U.S. DIVERSITY REQMT.
2403005 TR 12:40-2:00 JESKE K

PLAN DEVE COUNTRIES C R P 529 3 CR.
PREREQ: GRADUATE CLASSIFICATION
2404005 TR 3:40-5:00 OWUSU F
SECTION INFO:
http://www.public.iastate.edu/~efowusu/cour

PRACTICUM C R P 530 3 CR.
SATISFACTORY-FAIL ONLY.
PREREQ: GRADUATE CLASSIFICATION IN C R P
2405005 ARRANGED JESKE K

PRO PRACTICE SEMINR C R P 531 1 CR.
SATISFACTORY-FAIL ONLY.
PREREQ: MAJOR IN COMMUNITY AND REGIONAL PLANNING
4266005 T 1:10-2:00 HUNTINGTON S

COMMUNITY & REGIONAL PLANNING

SITE ANALYS&DEV DES C R P 542 3 CR.
PREREQ: GRADUATE CLASSIFICATION. MUST BE TAKEN PRIOR TO COMPLETING 12 CREDITS IN L A.
8759005 T 6:00-9:00PM

INTRO GEOG INFO SYS C R P 551 3 CR.
1985005 A MW 10:00-10:50 HADDAD M
R 11:00-12:50 HADDAD M
SECTION INFO:
http://www.public.iastate.edu/~ehaddad/cour
1985010 B MW 10:00-10:50 HADDAD M
R 11:00-12:50 HADDAD M
SECTION B RESTRICTED TO C R P MAJORS ONLY

ANALYTICAL PLAN/GIS C R P 553X 3 CR.
PREREQ: 451/551 OR PERMISSION OF INSTRUCTOR
8184005 MW 8:00-9:50 SEGER A

COMMUNITY ECON DEVT C R P 555 3 CR.
PREREQ: GRADUATE CLASSIFICATION
9224005 TR 2:10-3:30 MAHAYNI R

SEMN R PLANNING THRY C R P 561 3 CR.
PREREQ: INSTR PERMISSN AND GRAD CLASSIFICATION
2410005 A TR 9:30-10:50 MAHAYNI R

SEMN R PLAN RESEARCH C R P 570 1 CR.
SATISFACTORY-FAIL ONLY.
PREREQ: GRADUATE CLASSIFICATION IN C R P
2758005 MW 9:00-9:50 BORICH T
JAN 10-MARCH 4

SUSTAINABLE COMMUNIT C R P 584 3 CR.
PREREQ: GRADUATE CLASSIFICATION
7043005 TR 2:10-3:30 CLAPP T
SECTION INFO:
http://www.public.iastate.edu/~tlclapp/

SPL TOP PLAN ADMIN C R P 590A 1-3 CR.
PREREQ: GRAD CLASSIFICATION AND WRITTEN APPROVAL OF INSTRUCTOR AND DEPARTMENT CHAIR ON REQUIRED FORM.
INSTRUCTOR PERMISSION REQUIRED 1ST WEEK, PROCESS APPROVED ADD SLIP IN 10 ALUMNI HALL
****** SEE DEPT FOR REFERENCE NUMBERS

SP TOP LOCAL EC DEV C R P 590B 1-3 CR.
PREREQ: GRAD CLASSIFICATION AND WRITTEN APPROVAL OF INSTRUCTOR AND DEPARTMENT CHAIR ON REQUIRED FORM.
INSTRUCTOR PERMISSION REQUIRED 1ST WEEK, PROCESS APPROVED ADD SLIP IN 10 ALUMNI HALL
****** SEE DEPT FOR REFERENCE NUMBERS

SPL TOP URBAN DSGN C R P 590C 1-3 CR.
PREREQ: GRAD CLASSIFICATION AND WRITTEN APPROVAL OF INSTRUCTOR AND DEPARTMENT CHAIR ON REQUIRED FORM.
INSTRUCTOR PERMISSION REQUIRED 1ST WEEK, PROCESS APPROVED ADD SLIP IN 10 ALUMNI HALL
****** SEE DEPT FOR REFERENCE NUMBERS

SPCL TOPICS HOUSING C R P 590D 1-3 CR.
PREREQ: GRAD CLASSIFICATION AND WRITTEN APPROVAL OF INSTRUCTOR AND DEPARTMENT CHAIR ON REQUIRED FORM.
INSTRUCTOR PERMISSION REQUIRED 1ST WEEK, PROCESS APPROVED ADD SLIP IN 10 ALUMNI HALL
****** SEE DEPT FOR REFERENCE NUMBERS
COMMUNITY & REGIONAL PLANNING

SP TOP NGHBHD RENW  C R P 590E  1- 3 CR.
PREREQ: GRAD CLASSIFICATION AND WRITTEN APPROVAL
OF INSTRUCTOR AND DEPARTMENT CHAIR ON REQUIRED FORM
INSTRUCTOR PERMISSION REQUIRED 1ST WEEK, PROCESS
APPROVED ADD SLIP IN 10 ALUMNI HALL
******* SEE DEPT FOR REFERENCE NUMBERS

SPL TOP SOCIAL PLAN  C R P 590F  1- 3 CR.
PREREQ: GRAD CLASSIFICATION AND WRITTEN APPROVAL
OF INSTRUCTOR AND DEPARTMENT CHAIR ON REQUIRED FORM
INSTRUCTOR PERMISSION REQUIRED 1ST WEEK, PROCESS
APPROVED ADD SLIP IN 10 ALUMNI HALL
******* SEE DEPT FOR REFERENCE NUMBERS

SP TOP REG ECON DEV  C R P 590G  1- 3 CR.
PREREQ: GRAD CLASSIFICATION AND WRITTEN APPROVAL
OF INSTRUCTOR AND DEPARTMENT CHAIR ON REQUIRED FORM
INSTRUCTOR PERMISSION REQUIRED 1ST WEEK, PROCESS
APPROVED ADD SLIP IN 10 ALUMNI HALL
******* SEE DEPT FOR REFERENCE NUMBERS

SP TOP ENVIRN PLAN  C R P 590H  1- 3 CR.
PREREQ: GRAD CLASSIFICATION AND WRITTEN APPROVAL
OF INSTRUCTOR AND DEPARTMENT CHAIR ON REQUIRED FORM
INSTRUCTOR PERMISSION REQUIRED 1ST WEEK, PROCESS
APPROVED ADD SLIP IN 10 ALUMNI HALL
******* SEE DEPT FOR REFERENCE NUMBERS

SP TOP TRANSPRTN PL  C R P 590I  1- 3 CR.
PREREQ: GRAD CLASSIFICATION AND WRITTEN APPROVAL
OF INSTRUCTOR AND DEPARTMENT CHAIR ON REQUIRED FORM
INSTRUCTOR PERMISSION REQUIRED 1ST WEEK, PROCESS
APPROVED ADD SLIP IN 10 ALUMNI HALL
******* SEE DEPT FOR REFERENCE NUMBERS

SP TOP POLICY ANALY  C R P 590J  1- 3 CR.
PREREQ: GRAD CLASSIFICATION AND WRITTEN APPROVAL
OF INSTRUCTOR AND DEPARTMENT CHAIR ON REQUIRED FORM
INSTRUCTOR PERMISSION REQUIRED 1ST WEEK, PROCESS
APPROVED ADD SLIP IN 10 ALUMNI HALL
******* SEE DEPT FOR REFERENCE NUMBERS

SPL TOP STATE PLANN  C R P 590K  1- 3 CR.
PREREQ: GRAD CLASSIFICATION AND WRITTEN APPROVAL
OF INSTRUCTOR AND DEPARTMENT CHAIR ON REQUIRED FORM
INSTRUCTOR PERMISSION REQUIRED 1ST WEEK, PROCESS
APPROVED ADD SLIP IN 10 ALUMNI HALL
******* SEE DEPT FOR REFERENCE NUMBERS

SP TOP PL DEV CNTRY  C R P 590L  1- 3 CR.
PREREQ: GRAD CLASSIFICATION AND WRITTEN APPROVAL
OF INSTRUCTOR AND DEPARTMENT CHAIR ON REQUIRED FORM
INSTRUCTOR PERMISSION REQUIRED 1ST WEEK, PROCESS
APPROVED ADD SLIP IN 10 ALUMNI HALL
******* SEE DEPT FOR REFERENCE NUMBERS

SPECIAL TOPICS GIS  C R P 590M  1- 3 CR.
PREREQ: GRAD CLASSIFICATION AND WRITTEN APPROVAL
OF INSTRUCTOR AND DEPARTMENT CHAIR ON REQUIRED FORM
INSTRUCTOR PERMISSION REQUIRED 1ST WEEK, PROCESS
APPROVED ADD SLIP IN 10 ALUMNI HALL
******* SEE DEPT FOR REFERENCE NUMBERS

COMMUNITY & REGIONAL PLANNING

ENVIRONMENTAL LAW  C R P 591  3 CR.
PREREQ: GRADUATE CLASSIFICATION
2426005 TR 8:00-9:20 CLAPP T
SECTION INFO:
http://www.public.iastate.edu/~tlclapp/

SEM IN GIS APPL/RES  C R P 595X  1 CR.
SATISFACTORY-FAIL ONLY.
PREREQ: 9 CREDITS IN GIS CERTIFICATE PROGRAM
8186005 T 10:00-10:50 HADDAD M
SECTION INFO:
http://www.public.iastate.edu/~ehaddad/cour

PRO PLANNING REPORT  C R P 598  VAR. CR.
******* SEE DEPT FOR REFERENCE NUMBERS

RESEARCH  C R P 699  VAR. CR.
INSTRUCTOR PERMISSION REQUIRED, PROCESS
APPROVED ADD SLIP IN 10 ALUMNI HALL
******* SEE DEPT FOR REFERENCE NUMBERS

COMPLEX ADAPTIVE SYSTEMS

CMPLX ADAPTV SY SEM  CAS  502  1 CR.
PREREQ: ADMISSION TO CAS MINOR
2996005 T 10:00-10:50

CPX ADAPTV SY TECHQ  CAS  503  3 CR.
PREREQ: ADMISSION TO CAS MINOR
2998005 MWF 10:00-10:50

COMPUTER ENGINEERING

PRO PROG ORIENTATN  CPR E 166  R CR.
COURSE RESTRICTED TO E E & CPR E MAJORS ONLY
DISCUSSIONS WILL MEET EVERY OTHER WEEK.
2292005 A1 T 1:10-2:00
2292010 A2 T 1:10-2:00
2292015 A3 T 1:10-2:00
2292020 B1 T 3:10-4:00
2292025 B2 T 3:10-4:00
2292030 B3 T 3:10-4:00
SECTION B3 RESTRICTED TO HONORS STUDENTS.

INT CPR E&PROB SOLV  CPR E 185  3 CR.
PREREQ: CREDIT OR ENROLLMENT IN MATH 141
COURSE RESTRICTED TO E E & CPR E MAJORS ONLY
3878005 1 MW 10:00-10:50
3878010 2 MW 10:00-10:50
3878015 3 MW 10:00-10:50
3878020 4 MW 10:00-10:50
## COMPUTER ENGINEERING

### EXPLOR COMPUTR ENGR CPR E 186X 1 CR.
**PREREQ:** CPR E 185

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### ELETRN DEVIC&CIIRCCTS CPR E 203 4 CR.
**PREREQ:** CPR E 201, MATH 267, PHYS 222, CREDIT OR ENROLLMENT IN CPR E 210

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### INTR DIGITAL DESIGN CPR E 210 4 CR.
**PREREQ:** SOPHOMORE CLASSIFICATION
COURSE RESTRICTED TO CPR E, COM S AND E E MAJORS

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### INTR MICROCONTROLLR CPR E 211 4 CR.
**PREREQ:** 210, COM S 207 OR 227
COURSE RESTRICTED TO CPR E, COM S AND E E MAJORS

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### COOPERATIVE EDUCATN CPR E 298 R CR.
**PREREQ:** PERMISSION OF DEPARTMENT
PERMISSION OF ADVISER & CAREER SERVICES REQUIRED, COLLEGE WILL REGISTER STUDENT

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### CPR ORGANIZN&DESIGN CPR E 305 4 CR.
**PREREQ:** 211 OR COM S 321
AVAILABLE FOR NONMAJOR GRADUATE CREDIT.

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COMPUTER ENGINEERING

CPR ORGANIZN&DESIGN CPR E 305 4 CR.
PREREQ: 305, 310
AVAILABLE FOR NONMAJOR GRADUATE CREDIT.
1995055 10 MWF 9:00-9:50
R 4:10-6:00PM

OPERAT SYS:PRIN&PRA CPR E 308 4 CR.
PREREQ: 305, 310
1995056 10 MWF 9:00-9:50
R 4:10-6:00PM

THEORET FOUND CPR E CPR E 310 3 CR.
PREREQ: CREDIT OR ENRLMT IN CPR E 211, COM S 228
2036005 A TR 8:00-9:20

TOYING WITH TECHNOL CPR E 370 3 CR.
PREREQ: C I 201, JR STANDING, NOT IN ENGINEERING
5941005 A TR 1:10-3:00

ENGINEER INTERNSHIP CPR E 397 R CR.
PREREQ: PERMISSION OF DEPARTMENT
PERMISSION OF ADVISER & CAREER SERVICES REQUIRED,
COLLEGE WILL REGISTER STUDENT
8696005 ARRANGED

HARDWR SOFTWR INTEG CPR E 483 4 CR.
PREREQ: 305
AVAILABLE FOR NONMAJOR GRADUATE CREDIT.
7916005 1 MWF 2:10-3:00
F 10:00-11:50
7916010 2 MWF 2:10-3:00
F 12:10-2:00
7916015 3 MWF 2:10-3:00
W 4:10-6:00PM
7916020 4 MWF 2:10-3:00
T 4:10-6:00PM
7916025 5 MWF 2:10-3:00
W 12:10-2:00

JAVA &INTERNET PROG CPR E 485 3 CR.
PREREQ: COM S 309
COURSE RESTRICTED TO COM S, CPR E AND E E MAJORS
AVAILABLE FOR NONMAJOR GRADUATE CREDIT.
7732005 1 MW 3:10-4:00
M 8:00-9:50
7732010 2 MW 3:10-4:00
M 10:00-11:50
7732015 3 MW 3:10-4:00
M 12:10-2:00
7732020 4 MW 3:10-4:00
M 4:10-6:00PM
7732025 5 MW 3:10-4:00
M 6:10-8:00PM

ANLOG VLSI CIRC DSN CPR E 435 4 CR.
PREREQ: 434
AVAILABLE FOR NONMAJOR GRADUATE CREDIT.
2330005 1 MWF 10:00-10:50
M 12:10-3:00
2330010 2 MWF 10:00-10:50
M 3:10-6:00PM
SOFTWARE VERIFICATION & TEST  CPR E 487X  3 CR.
AVAILABLE FOR NONMAJOR GRADUATE CREDIT.
2708005  TR 12:40-2:00

SOFTWARE NETWORK & DATA COMM  CPR E 489  3 CR.
PREREQ: 305 OR E E 324
AVAILABLE FOR NONMAJOR GRADUATE CREDIT.
2771005  TR 8:00-9:20

INDEPENDENT STUDY  CPR E 490  VAR. CR.
PREREQ: SENIOR CLASSIFICATION IN COMPUTER ENGR
DEPARTMENT PERMISSION REQUIRED 1ST WEEK, PROCESS
APPROVED ADD SLIP IN 10 ALUMNI HALL

HONORS INDEPENDENT STUDY  CPR E 490H  VAR. CR.
PREREQ: SENIOR CLASSIFICATION IN COMPUTER ENGR
MEMBERSHIP IN UNIV HONORS PROGRAM
DEPARTMENT PERMISSION REQUIRED 1ST WEEK, PROCESS
APPROVED ADD SLIP IN 10 ALUMNI HALL

SOFTWARE DESIGN PROJECT I & II  CPR E 491  2-3 CR.
PREREQ: 308 OR E E 322, COMPLETION OF 24 CREDITS
IN THE E E CORE PROFESSIONAL PROGRAM OR 29 CREDITS
IN THE CPR E CORE PROFESSIONAL PROGRAM, ENGL 314
COURSE RESTRICTED TO CPR E AND E E MAJORS JUNIOR
AND ABOVE
MATERIALS AND EQUIPMENT USE FEE $25.00
INSTRUCTOR PERMISSION REQUIRED 1ST WEEK, PROCESS
APPROVED ADD SLIP IN 10 ALUMNI HALL
2765005  T 2:10-4:00, ARRANGED

SOFTWARE DESIGN PROJECT II  CPR E 492  2 CR.
PREREQ: 491
COURSE RESTRICTED TO CPR E AND E E MAJORS JUNIOR
AND ABOVE
MATERIALS AND EQUIPMENT USE FEE $25.00
1659002  R 2:10-3:00, ARRANGED

PORTFOLIO ASSESSMENT  CPR E 494  R CR.
PREREQ: CREDIT OR ENROLLMENT IN 491
COURSE RESTRICTED TO CPR E AND E E MAJORS JUNIOR
AND ABOVE
2279005  1 R 4:10-5:00
2279010  2 R 3:10-4:00
2279015  3 W 2:10-3:00
2279020  4 W 1:10-2:00

COOPERATIVE EDUCATION  CPR E 498  R CR.
PREREQ: 398, PERMISSION OF DEPARTMENT
PERMISSION OF ADVISER & CAREER SERVICES REQUIRED,
COLLEGE WILL REGISTER STUDENT
2774005  ARRANGED

NUMERICAL ANALYSIS & COMPUTER GRAPHS  CPR E 525  3 CR.
PREREQ: 308, OR ONE OF MATH 471,481; EXPERIENCE
IN SCIENTIFIC PROGRAMMING; KNOWLEDGE OF FORTRAN OR C
1368005  TR 11:00-12:20

SOFTWARE INDEPENDENT STUDY  CPR E 525X  3 CR.
PREREQ: 305 OR E E 324
AVAILABLE FOR NONMAJOR GRADUATE CREDIT.
2771005  TR 8:00-9:20

SOFTWARE CRITICAL THINKING & ETHICS  CPR E 528  3 CR.
PREREQ: CPR E 525 OR CPR E 525X
COURSE RESTRICTED TO CPR E AND CPR E MAJORS
2772005  TR 8:00-9:20

ADDITIONAL SOFTWARE  CPR E 529  3 CR.
PREREQ: CPR E 525 OR CPR E 525X
COURSE RESTRICTED TO CPR E AND CPR E MAJORS
2773005  TR 8:00-9:20

SOFTWARE SOFTWARE INDEPENDENT STUDY  CPR E 529X  3 CR.
PREREQ: CPR E 525 OR CPR E 525X
AVAILABLE FOR NONMAJOR GRADUATE CREDIT.
2771005  TR 8:00-9:20
## COMPUTER ENGINEERING

**SELECT TOPICS CPR E 594** 3 CR.

- Course Code: CPR E 594
- Credit Hours: 3
- Section: 2992122
- Days: ST
- Time: ARRANGED

**CREATIVE COMPONENT CPR E 599** VAR. CR.

- Course Code: CPR E 599
- Credit Hours: VAR
- Ref. Num.: SEE DEPT FOR REFERENCE NUMBERS

**PARALL ALGORITHM&SCI CPR E 626** 3 CR.

- Prerequisite: 526
- Course Code: CPR E 626
- Credit Hours: 3
- Section: 1135005
- Days: MWF
- Time: 10:00-10:50

**ENGINEERG INTERNSHP CPR E 697** R CR.

- Satisfactory-Fail Only
- Prerequisite: Permission of Dept Chair, Grad Classification
- Course Code: CPR E 697
- Credit Hours: R
- Section: ARRANGED
- Instructor Permission Required
- Process Approved Add Slip in 10 Alumni Hall

**RESEARCH** CPR E 699 VAR. CR.

- Ref. Num.: SEE DEPT FOR REFERENCE NUMBERS

## COMPUTER SCIENCE

**ORIENTATION** COM S 101 R CR.

- Course Code: COM S 101
- Credit Hours: R
- Section: 2672005
- Days: T
- Time: 12:40-2:00
- Location: 1: JAN 10-MARCH 4

**COMPUTER APPLICATNS COM S 103** 4 CR.

- Course Code: COM S 103
- Credit Hours: 4
- Sections:
  - 2673090: ARRANGED
  - 2673095: ARRANGED
  - 2673100: ARRANGED
  - 2673105: ARRANGED
  - 2673110: ARRANGED
  - 2673115: ARRANGED
  - 2673120: ARRANGED
  - 2673125: ARRANGED
  - 2673130: ARRANGED
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  - 2673255: ARRANGED
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  - 2673265: ARRANGED
  - 2673270: ARRANGED
  - 2673275: ARRANGED
  - 2673280: ARRANGED
  - 2673285: ARRANGED

- Course Delivery: WWW
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<td>4 CR.</td>
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<td>COM S 104</td>
<td>Course Restricted to P CS Majors Only</td>
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<td>COM S 201</td>
<td>COBOL Programming</td>
<td>3 CR.</td>
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<td>Careers in Com Sci</td>
<td>R CR.</td>
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<td>Programming I</td>
<td>3 CR.</td>
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**COMPUTER APPLICATNS**

COM S 103 4 CR.

- 2673250 50 ARRANGED
- COURSE DELIVERY IS WWW

INTRO TO COMPUTERS COM S 104 4 CR.

- COURSE RESTRICTED TO P CS MAJORS ONLY
- 2995005 1 MWF 8:00-8:50
- T 4:10-6:00 PM
- 2995010 2 MWF 8:00-8:50
- T 12:10-2:00
- 2995015 3 MWF 8:00-8:50
- W 2:10-4:00
- 2995020 4 MWF 8:00-8:50
- W 12:10-2:00
- 2995025 5 MWF 8:00-8:50
- T 6:00-8:00 PM
- 2995030 6 MWF 8:00-8:50
- W 4:10-6:00 PM
- 2995035 7 MWF 8:00-8:50
- T 2:10-4:00

COBOL PROGRAMMING COM S 201 3 CR.

- PREREQ: 107 OR 207 OR 227
- COURSE RESTRICTED TO BUSINESS COLLEGE MAJORS ONLY
- 2675005 1 MWF 8:00-8:50
- W 2:10-3:00
- 2675010 2 MWF 8:00-8:50
- W 3:10-4:00

CAREERS IN COM SCI COM S 203 R CR.

- SATISFACTORY-FAIL ONLY
- COURSE RESTRICTED TO P CS, COM S MAJORS ONLY
- 2682005 1 R 12:40-2:00
- SECT 1: JAN 10 - MARCH 4

PROGRAMMING I COM S 207 3 CR.

- NIGHT EXAMINATIONS SCHEDULED
- PREREQ: MATH 150 OR PLACEMENT INTO MATH 140/141/142 OR HIGHER
- SEC A1, B1, ETC. FOR BUSINESS COLLEGE MAJORS ONLY
- SECTIONS A2, B2, ETC. FOR ENGR COLLEGE MAJORS ONLY
- SECTIONS A3, B3, ETC. FOR ALL OTHER MAJORS. CREDIT FOR EITHER COM S 207 OR COM S 227, BUT NOT BOTH, MAY BE APPLIED TOWARD GRADUATION
- 9235005 A1 MWF 2:10-3:00
- LATHROP J
- T 3:10-4:00
- 9235010 A2 MWF 2:10-3:00
- LATHROP J
- T 3:10-4:00
- 9235015 A3 MWF 2:10-3:00
- LATHROP J
- T 3:10-4:00
- 9235020 B1 MWF 2:10-3:00
- LATHROP J
- T 1:10-2:00
- 9235025 B2 MWF 2:10-3:00
- LATHROP J
- T 1:10-2:00
- 9235030 B3 MWF 2:10-3:00
- LATHROP J
- T 1:10-2:00
- 9235035 C1 MWF 2:10-3:00
- LATHROP J
- T 2:10-3:00
- 9235040 C2 MWF 2:10-3:00
- LATHROP J
- T 2:10-3:00
- 9235045 C3 MWF 2:10-3:00
- LATHROP J
- T 2:10-3:00
- 9235050 D1 MWF 12:10-1:00
- W 3:10-4:00
- 9235055 D2 MWF 12:10-1:00
- W 3:10-4:00

**COMPUTER SCIENCE**

PROGRAMMING I COM S 207 3 CR.

- 9235060 D3 MWF 12:10-1:00
- W 3:10-4:00
- 9235065 E1 MWF 12:10-1:00
- W 4:10-5:00
- 9235070 E2 MWF 12:10-1:00
- W 4:10-5:00
- 9235075 E3 MWF 12:10-1:00
- W 4:10-5:00
- 9235080 F1 MWF 12:10-1:00
- W 2:10-3:00
- 9235085 F2 MWF 12:10-1:00
- W 2:10-3:00
- 9235090 F3 MWF 12:10-1:00
- W 2:10-3:00

INTR OBJT ORIEN PRG COM S 227 3 CR.

- NIGHT EXAMINATIONS SCHEDULED
- PREREQ: 104 OR 107 OR PRIOR PROGRAMMING EXPERIENCE; CREDIT OR ENROLLMENT IN MATH 165
- ODD NUMBERED SECTIONS RESTRICTED TO P CS MAJORS.
- EVEN NUMBERED SECTIONS RESTRICTED TO CPR E MAJORS.
- CREDIT FOR EITHER COM S 227 OR COM S 207, BUT NOT BOTH, MAY BE APPLIED TOWARD GRADUATION.
- 9237005 1 MWF 9:00-9:50
- T 8:00-8:50
- 9237010 2 MWF 9:00-9:50
- T 8:00-8:50
- 9237015 3 MWF 9:00-9:50
- T 9:00-9:50
- 9237020 4 MWF 9:00-9:50
- T 9:00-9:50
- 9237025 5 MWF 9:00-9:50
- T 10:00-10:50
- 9237030 6 MWF 9:00-9:50
- T 10:00-10:50
- 9237035 7 MWF 9:00-9:50
- T 11:00-11:50
- 9237040 8 MWF 9:00-9:50
- T 11:00-11:50
- 9237045 9 MWF 9:00-9:50
- T 12:10-1:00
- 9237050 10 MWF 9:00-9:50
- T 12:10-1:00
- 9237055 11 MWF 10:00-10:50
- T 1:10-2:00
- 9237060 12 MWF 10:00-10:50
- T 1:10-2:00
- 9237065 13 MWF 10:00-10:50
- T 2:10-3:00
- 9237070 14 MWF 10:00-10:50
- T 2:10-3:00
- 9237075 15 MWF 10:00-10:50
- T 3:10-4:00
- 9237080 16 MWF 10:00-10:50
- T 3:10-4:00
- 9237085 17 MWF 10:00-10:50
- W 8:00-8:50
- 9237090 18 MWF 10:00-10:50
- W 8:00-8:50
- 9237095 19 MWF 10:00-10:50
- W 9:00-9:50
- 9237100 20 MWF 10:00-10:50
- W 9:00-9:50
- 9237105 21 MWF 1:10-2:00
- W 11:00-11:50
COMPUTER SCIENCE

INTR OBJT ORIEN PRG  COM S 227  3 CR.
9237110  22 MWF 1:10-2:00
9237115  23 MWF 1:10-2:00
9237120  24 MWF 1:10-2:00
9237125  25 MWF 1:10-2:00
9237130  26 MWF 1:10-2:00
9237135  27 MWF 1:10-2:00
9237140  28 MWF 1:10-2:00
9237145  29 MWF 1:10-2:00
9237150  30 MWF 1:10-2:00

INTRO DATA STRUCTUR  COM S 228  3 CR.
NIGHT EXAMINATIONS SCHEDULED.
PREREQ: 227, MATH 165, CR OR ENR IN COM S 104 AND MATH 166
SEC A1,B1,C1 FOR P CS MAJORS ONLY. SEC A2,B2, C2 FOR CPR E MAJORS ONLY.
9238005  A1 MWF 11:00-11:50
9238010  A2 MWF 11:00-11:50
9238015  B1 MWF 2:10-3:00
9238020  B2 MWF 2:10-3:00
9238025  C1 MWF 1:10-2:00
9238030  C2 MWF 1:10-2:00

INDEPENDENT STUDY  COM S 290  VAR. CR.
SATISFACTORY-FAIL ONLY.
PREREQ: PERMISSION OF INSTRUCTOR
INSTRUCTOR PERMISSION REQUIRED 1ST WEEK, PROCESS
APPROVED ADD SLIP IN 10 ALUMNI HALL
2680005  1 ARRANGED

INDEP STUDY HONORS  COM S 290H  VAR. CR.
SATISFACTORY-FAIL ONLY.
PREREQ: INSTR PERMISSION, HONORS PROG MEMBERSHIP
INSTRUCTOR PERMISSION REQUIRED 1ST WEEK, PROCESS
APPROVED ADD SLIP IN 10 ALUMNI HALL
2680100  1 ARRANGED

SOFTWARE DEVELOPMENT  COM S 309  3 CR.
PREREQ: 228, ENGL 104
SECTIONS A1,B1 RESTRICTED TO COM S MAJORS ONLY.
SECTIONS A2,B2 RESTRICTED TO CPR E MAJORS ONLY.
AVAILABLE FOR NONMAJOR GRADUATE CREDIT.
4438005  A1 TR 9:30-10:50 T 11:00-11:50
4438010  A2 TR 9:30-10:50 T 11:00-11:50
4438015  B1 TR 9:30-10:50 T 1:10-2:00
4438020  B2 TR 9:30-10:50 T 1:10-2:00

THEORY OF COMPUTING  COM S 331  3 CR.
PREREQ: MATH 166, ENGL 104, AND EITHER COM S 330 OR CPR E 310
SECTION A1,B1 RESTRICTED TO COM S MAJORS ONLY.
SECTION A2,B2 RESTRICTED TO CPR E MAJORS ONLY.
AVAILABLE FOR NONMAJOR GRADUATE CREDIT.
2686005  A1 MWF 8:00-8:50 T 10:00-10:50
2686010  A2 MWF 8:00-8:50 T 10:00-10:50
2686015  B1 MWF 8:00-8:50 T 9:00-9:50
2686020  B2 MWF 8:00-8:50 T 9:00-9:50
COMPUTER SCIENCE

PRIN PROGR LANGUAGES   COM S 342      3 CR.
PREREQ: 321, ENGL 104, COM S 330 OR CPR E 310, &
EITHER 309, 362, OR 363
COURSE RESTRICTED TO COM S MAJORS ONLY
AVAILABLE FOR NONMAJOR GRADUATE CREDIT.
2687005   1 TR 2:10-3:30
          W 9:00-9:50
2687015   2 TR 2:10-3:30
          W 4:10-5:00

INTRO OPERATING SYS   COM S 352      3 CR.
PREREQ: 321, ENGL 104 AND EITHER COM S 362 OR 363
SECTIONS A1,B1 RESTRICTED TO COM S MAJORS ONLY.
SECTIONS A2,B2 RESTRICTED TO CPR E MAJORS ONLY.
AVAILABLE FOR NONMAJOR GRADUATE CREDIT.
2688005  A1 MWF 2:10-3:00
          R 1:10-2:00
2688010  A2 MWF 2:10-3:00
          R 1:10-2:00
2688020  B1 MWF 2:10-3:00
          R 12:10-1:00
2688025  B2 MWF 2:10-3:00
          R 12:10-1:00

OBJCT-ORIEN ANALY&D   COM S 362      3 CR.
PREREQ: 228, AND ENGL 104
AVAILABLE FOR NONMAJOR GRADUATE CREDIT.
2622005  A1 MWF 11:00-11:50
2622010  A2 MWF 11:00-11:50
SECTION A1 RESTRICTED TO COM S MAJORS ONLY
SECTION A2 RESTRICTED TO CPR E MAJORS ONLY

INTR DABTS MGT SYS   COM S 363      3 CR.
PREREQ: 228 AND ENGL 104
AVAILABLE FOR NONMAJOR GRADUATE CREDIT.
2689005  A1 TR 11:00-12:20
          SECTION A1 RESTRICTED FOR COM S MAJORS
          ONLY.
2689010  A2 TR 11:00-12:20
          SECTION A2 RESTRICTED TO CPR E MAJORS
          ONLY.

COORDERATIVE EDUCATN   COM S 398      R CR.
PREREQ: PERMISSION OF DEPARTMENT CHAIR
2691005  1 ARRANGED

INTRO CMPTNL GEOMTRY   COM S 418      3 CR.
PREREQ: 311 OR INSTRUCTOR PERMISSION, ENGL 105,
SP CM 212
AVAILABLE FOR NONMAJOR GRADUATE CREDIT.
5952005  1 TR 9:30-10:50
          W 10:00-10:50

LOGIC MATH&CPTR SCI    COM S 421      3 CR.
PREREQ: MATH 301 OR 307 OR 317 OR COM S 330
AVAILABLE FOR NONMAJOR GRADUATE CREDIT.
2624005  MWF 2:10-3:00

HI PERFROM COMP APP   COM S 425      3 CR.
PREREQ: 311, 330, ENGL 105, SP CM 212
AVAILABLE FOR NONMAJOR GRADUATE CREDIT.
2249005  A1 MW 11:00-11:50
          W 12:10-1:00
SECTION A1 RESTRICTED TO COM S MAJORS ONLY
2249010  A2 MW 11:00-11:50
          W 12:10-1:00
SECTION A2 RESTRICTED TO CPR E MAJORS ONLY

COMPUTER SCIENCE

PRIN&PRACTC COMPILI   COM S 440      3 CR.
PREREQ: 311, 342, ENGL 105, SP CM 212
COURSE RESTRICTED TO COM S MAJORS ONLY.
AVAILABLE FOR NONMAJOR GRADUATE CREDIT.
2695005  1 TR 11:00-12:20
          W 2:10-3:00

COMP LINEAR ALG&FIX    COM S 471      3 CR.
PREREQ: MATH 270; OR 265 AND ONE OF 266,267;
KNOWLEDGE OF FORTRAN OR PASCAL
AVAILABLE FOR NONMAJOR GRADUATE CREDIT.
2698005  TR 9:30-10:50

NUMRC SOL DIFF EQUA    COM S 481      3 CR.
PREREQ: MATH 371; OR 265 AND ONE OF 266,267;
KNOWLEDGE OF FORTRAN OR PASCAL
AVAILABLE FOR NONMAJOR GRADUATE CREDIT.
2699005  TR 2:10-3:30

FUND CONC/COMP NETW    COM S 486X     3 CR.
PREREQ: 352
AVAILABLE FOR NONMAJOR GRADUATE CREDIT.
5060005  A1 TR 12:40-2:00
SECTION A1 RESTRICTED TO COM S MAJORS ONLY
5060010  A2 TR 12:40-2:00
SECTION A2 RESTRICTED TO CPR E MAJORS ONLY

SOFTWARE VERIF&TEST   COM S 487X     3 CR.
AVAILABLE FOR NONMAJOR GRADUATE CREDIT.
2712005  TR 12:40-2:00

INDEPENDENT STUDY   COM S 490      VAR.  CR.
SATISFACTORY-FAIL ONLY.
PREREQ: 6 CR. IN COM S, PERMISSION OF INSTRUCTOR
NO MORE THAN 9 CREDITS OF COM S 490 MAY BE
APPLIED TOWARD GRADUATION
INSTRUCTOR PERMISSION REQUIRED 1ST WEEK, PROCESS
APPROVED ADD SLIP IN 10 ALUMNI HALL
******* SEE DEPT FOR REFERENCE NUMBERS

INDEP STUDY HONORS   COM S 490H     VAR.  CR.
SATISFACTORY-FAIL ONLY.
PREREQ: 6 CREDITS IN COM S, PERMISSION OF
INSTRUCTOR, MEMBERSHIP IN HONORS PROGRAM
INSTRUCTOR PERMISSION REQUIRED 1ST WEEK, PROCESS
APPROVED ADD SLIP IN 10 ALUMNI HALL
******* SEE DEPT FOR REFERENCE NUMBERS

CMPLX ADAPTV SY SEM   COM S 502      1 CR.
PREREQ: ADMISSION TO CAS MINOR
2643005  T 10:00-10:50

CFX ADAPTV SY TECHQ   COM S 503      3 CR.
PREREQ: ADMISSION TO CAS MINOR
2654005  MWF 10:00-10:50

MTH SOFTWARE ENG/ING   COM S 512      3 CR.
PREREQ: 311, 330
COURSE RESTRICTED TO COM S, E CPE MAJORS ONLY
2707005  1 MW 2:10-3:00
COMPUTER SCIENCE

INTR CMPTNL GEOMTRY  COM S 518  3 CR.
PREREQ: 311 OR PERMISSION OF INSTRUCTOR
5866005  1 TR 9:30-10:50

NUM ANALY HI-P COMP  COM S 525  3 CR.
PREREQ: CPR E 308, OR ONE OF MATH 471, 473
OR 481; EXPERIENCE IN SCIENTIFIC PROGRAMMING,
KNOWLEDGE OF FORTRAN OR C
2049005  TR 11:00-12:20

THEORY OF COMPUTATN  COM S 531  3 CR.
PREREQ: 331
2709005  A1 MWF 11:00-11:50
SECTION A1 RESTRICTED TO COM S MAJORS ONLY

PRIN&PRACTC COMPIL  COM S 540  3 CR.
PREREQ: 331, 342, ENGL 105, SP CM 212
COURSE RESTRICTED TO COM S MAJORS ONLY
2251005  TR 11:00-12:20

PRIN OPERAT SYSTEMS  COM S 552  3 CR.
PREREQ: 352
2713005  A1 MWF 11:00-11:50
SECTION A1 RESTRICTED TO COM S MAJORS ONLY

ANLY ALG STOCK MODL  COM S 556  3 CR.
PREREQ: 331, MATH 307, AND STAT 330
3877005  1 ARRANGED

PRIN DATABASE SYST  COM S 561  3 CR.
PREREQ: 311, 363
2715015  2 MW 4:10-5:30
SECTION 2 RESTRICTED TO E CPE MAJORS ONLY

MACHINE LEARNING  COM S 573  3 CR.
PREREQ: 311, 331, 362, STAT 330
COURSE RESTRICTED TO CON E MAJORS ONLY
2660005  1 MWF 10:00-10:50

SPECIAL TOPICS  COM S 590  VAR. CR.
SATISFACTORY-FAIL ONLY.
PREREQ: PERMISSION OF INSTRUCTOR
******  SEE DEPT FOR REFERENCE NUMBERS

COMPUTNL MOLEC BIOL  COM S 594  3 CR.
PREREQ: BCB 484, BCB 495, STAT 432 OR EQUIVALENT
COURSES; PROGRAMMING EXPERIENCE (C,C++, OR PERT)
5686005  TR 9:30-10:50

SEMINAR  COM S 610  VAR. CR.
SATISFACTORY-FAIL ONLY.
******  SEE DEPT FOR REFERENCE NUMBERS

ADV TOP ANLYS ALGOR  COM S 611  3 CR.
PREREQ: 511, 531
8204005  1 ARRANGED

COMPUTER SCIENCE

ISS PARALLEL PG,PRF  COM S 625  3 CR.
PREREQ: 511, CPR E 585
9357005  1 ARRANGED

PARALL ALGORITHMS&SCI  COM S 626  3 CR.
PREREQ: CPR E 526
8130005  MWF 10:00-10:50

THEORY GAMES,KNWLDG  COM S 634  3 CR.
PREREQ: 330
8149005  1 ARRANGED

COMP MODELS OF LRNG  COM S 672  3 CR.
PREREQ: 331, 572 OR 573 OR 472 OR 474, STAT 330
2216005  1 ARRANGED

ADV TOP ARTIF INTEL  COM S 673  3 CR.
PREREQ: 331, 572 OR 573 OR 472 OR 474, STAT 330
COURSE RESTRICTED TO COM S MAJORS ONLY
9467005  1 ARRANGED

CONSTRUCTION ENGINEERING

INTRO CONSTRUC ENGR  CON E 110  R CR.
FIELD TRIPS & TRAVEL FEE $10.00-$50.00
2729005  1 W 4:10-5:00
R 5:10-7:00PM
SEC 1 RESTRICTED TO FRESHMAN & TRANSFER STUDENTS.
2729010  2 W 4:10-5:00
R 5:10-7:00PM
SEC 2 RESTRICTED TO JUNIOR AND SENIORS.

PROFESSIONAL DEVELOP  CON E 210  1 CR.
PREREQ: SOPHOMORE CLASSIFICATION IN CON E
2739005  1 M 4:10-5:00

CONSTR ORG & MGT  CON E 221  4 CR.
PREREQ: COMPLETION OF BASIC PROGRAM & ENGR 170
2736005  1 MTWR 11:00-11:50

CONSTRUCT DOCUMENTS  CON E 245  2 CR.
PREREQ: 221
COURSE RESTRICTED TO CON E MAJORS ONLY
2731005  1 W 4:10-6:00PM
CONSTRUCTION ENGINEERING

MECH/ELEC MTRLS&MTH CON E 251 1 CR.
PREREQ: CREDIT OR ENROLLMENT IN 241
2377005 1 T 3:10-6:00PM

COORDINATE EDUCATION CON E 298 R CR.
SATISFACTORY-FAIL ONLY.
PREREQ: PERMISSION OF DEPARTMENT
PERMISSION OF ADVISER & CAREER SERVICES REQUIRED,
COLLEGE WILL REGISTER STUDENT
2732005 ARRANGED

CON EQUIP&HYV C MTH CON E 322 3 CR.
PREREQ: 241
MATERIALS AND FIELD TRIPS & TRAVEL FEE $10.00-$50.00
AVAILABLE FOR NONMAJOR GRADUATE CREDIT.
2737005 1 MW 2:10-3:00
R 12:10-3:00

CONCRETE&STEEL CONST CON E 340 3 CR.
PREREQ: E M 324, CREDIT OR ENROLLMENT IN CON E 322
MATERIALS FEE $5.00-$50.00
AVAILABLE FOR NONMAJOR GRADUATE CREDIT.
2741005 1 MW 9:00-9:50
T 8:00-10:50
2741010 2 MW 9:00-9:50
T 8:00-10:50

MECHNL&ELECTR SYST CON E 351 3-4 CR.
PREREQ: 251, PHYS 222
FIELD TRIPS & TRAVEL FEE $10.00-$50.00
AVAILABLE FOR NONMAJOR GRADUATE CREDIT.
3147005 1 MWF 10:00-10:50
T 3:10-6:00PM
SECTION 1 OFFERED FOR 4 CREDITS SPRING 2005.
3147010 2 MWF 10:00-10:50
SECTION 2 OFFERED FOR 3 CREDITS SPRING 2005.

ENGINEERING LAW CON E 380 3 CR.
PREREQ: JUNIOR CLASSIFICATION
AVAILABLE FOR NONMAJOR GRADUATE CREDIT.
5102005 1 MW 5:10-6:30PM
SECTION 1 RESTRICTED TO CON E MAJORS
ONLY
5102010 2 MW 5:10-6:30PM
5102015 3 TR 4:10-5:30
SECTION 3 RESTRICTED TO CON E MAJORS
ONLY
5102020 4 TR 4:10-5:30

ENGRI INTERNSHIP CON E 397 R CR.
PREREQ: PERMISSION OF DEPARTMENT
PERMISSION OF ADVISER & CAREER SERVICES REQUIRED,
COLLEGE WILL REGISTER STUDENT
8697005 ARRANGED

COORDINATE EDUCATION CON E 398 R CR.
SATISFACTORY-FAIL ONLY.
PREREQ: 298, PERMISSION OF DEPARTMENT
PERMISSION OF ADVISER & CAREER SERVICES REQUIRED,
COLLEGE WILL REGISTER STUDENT
2738005 ARRANGED

CONSTRUCTION ENGINEERING

CONSTRUC ESTIMATING CON E 421 3 CR.
PREREQ: 340, 245
MATERIALS AND FIELD TRIPS & TRAVEL FEE $10.00-$50.00
AVAILABLE FOR NONMAJOR GRADUATE CREDIT.
2734005 1 MW 3:10-4:00
T 12:10-3:00
2734010 2 MW 3:10-4:00
T 12:10-3:00

CON PLAN, SCHED, CTL CON E 441 2 CR.
PREREQ: CREDIT OR ENROLLMENT IN 421
MATERIALS AND FIELD TRIPS & TRAVEL FEE $10.00-$50.00
AVAILABLE FOR NONMAJOR GRADUATE CREDIT.
2742005 1 MF 10:00-10:50

COOPERATIVE EDUCATION CON E 498 R CR.
SATISFACTORY-FAIL ONLY.
PREREQ: 398, PERMISSION OF DEPARTMENT
PERMISSION OF ADVISER & CAREER SERVICES REQUIRED,
COLLEGE WILL REGISTER STUDENT
2744005 ARRANGED

COUNSELOR EDUCATION

COUNSLG INDIVIDUAL I CO ED 510 3 CR.
PREREQ: 501, 505
8232005 M 5:30-8:30PM
COUNSLG INDIVIDUAL II CO ED 515 3 CR.
PREREQ: 501, 505
8235005 W 5:30-8:30PM
EDUCATN CONSULTING I CO ED 541 3 CR.
PREREQ: 530, 535
2458005 T 5:30-8:30PM
EDUCAT CONSULTING II CO ED 545 3 CR.
PREREQ: 530, 535
2482005 R 5:30-8:30PM
SPECIAL TOPICS CO ED 590 1-2 CR.
PREREQ: 9 GRADUATE HOURS IN COUNSELOR ED COURSE RESTRICTED TO GRADUATE STUDENTS
******** SEE DEPT FOR REFERENCE NUMBERS
CREATIVE COMPONENT CO ED 599 1-2 CR.
PREREQ: 9 CREDITS IN COUNSELOR EDUCATION COURSE RESTRICTED TO GRADUATE STUDENTS
******** SEE DEPT FOR REFERENCE NUMBERS
COUNSELOR EDUCATION

GRP PRACT SKIL TRNG  CO ED 604A  1 CR.
PREREQ: 591A, 591B, OR 591C; INSTRUCTOR PERMISSN
COURSE RESTRICTED TO GRADUATE STUDENTS
6334005  ARRANGED

PRACTCM COUNS GROUP  CO ED 604B  1 CR.
PREREQ: 591A OR 591B OR 591C; INSTRUCTOR PERMISSN
COURSE RESTRICTED TO GRADUATE STUDENTS
6401005  ARRANGED

ADV SPECIAL TOPICS  CO ED 690  VAR.  CR.
PREREQ: 9 CREDITS IN COUNSELOR EDUCATION
COURSE RESTRICTED TO GRADUATE STUDENTS

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

RESEARCH  CO ED 699  VAR.  CR.
PREREQ: 9 CREDITS IN COUNSELOR EDUCATION
*******  SEE DEPT FOR REFERENCE NUMBERS

CRIMINAL JUSTICE STUDIES

AMER JUDICIAL PROC  CJ ST 320  3 CR.
PREREQ: POL S 215
2577005  TR 2:10-3:30
SECTION A RESTRICTED TO POL S MAJORS ONLY.
2577010  TR 2:10-3:30
SECTION B FOR MAJORS OTHER THAN POL S.

PHILOSOPHY OF LAW  CJ ST 332  3 CR.
PREREQ: PHIL 201 OR 230
AVAILABLE FOR NONMAJOR GRADUATE CREDIT.
INSTRUCTOR PERMISSION REQUIRED 1ST WEEK, PROCESS
APPROVED ADD SLIP IN 10 ALUMNI HALL
2578005  TR 2:10-3:30  KUPFER J

DEVIANT &CRIM BEHAV  CJ ST 340  3 CR.
PREREQ: SOC 130 OR 134
2579005  A M 6:00-9:00PM

CRIMINOLOGY  CJ ST 341  3 CR.
3175005  A MWF 9:00-9:50

CRIM &JUV JUST PRAC  CJ ST 460  3-12 CR.
SATISFACTORY-FAIL ONLY.
PREREQ: JR/SR CLASSIFICATION; PERMISSION OF
CJ ST COORDINATOR; TRANSCRIPT REQUIRED UPON
APPLICATION; MAJOR OR MINOR IN CJ ST OR SOC OR
PSA, OR 201, 302, & 305; SOC 241 OR 340
2581005  ARRANGED

CURRICULUM & INSTRUCTION

INTR INSTRCTN TECHL  C I  201  3 CR.
MATERIALS AND PROFESSIONAL SUPPORT FEE $20.00
3015005  7 TR 4:10-5:00
W 12:10-2:00
3015040  8 TR 4:10-5:00
W 1:10-3:00
3015045  9 TR 4:10-5:00
R 8:00-9:50
3015050  10 TR 4:10-5:00
R 10:00-11:50
3015055  11 TR 4:10-5:00
R 12:10-2:00

SOC FOUND AMER EDUC  C I  204  3 CR.
6278005  TR 8:00-9:20
6278010  TR 9:30-10:50
6278015  TR 11:00-12:20
6278020  TR 12:40-2:00
6278025  TR 2:10-3:30
6278030  TR 3:40-5:00

EXCEPTIONAL LEARNER  C I  250  3 CR.
MEETS U.S. DIVERSITY REQMT.
DEPARTMENT PERMISSION REQUIRED 1ST WEEK, PROCESS
APPROVED ADD SLIP IN 10 ALUMNI HALL
3239005  1 MWF 1:10-2:00

EXPRNC TEACHER AIDE  C I  280A  1-2 CR.
SATISFACTORY-FAIL ONLY.
PREREQ: 280A MAY BE TAKEN ALONE
6279005  1 W 1:10-2:00
6279010  2 F 10:00-10:50

EXP EDUCTNL CMPUTNG  C I  280B  1-2 CR.
SATISFACTORY-FAIL ONLY.
PREREQ: CREDIT OR CONCURRENT ENROLLMENT IN 280A,
TWO CREDITS BY PERMISSION ONLY
DEPARTMENT PERMISSION REQUIRED 1ST WEEK, PROCESS
APPROVED ADD SLIP IN 10 ALUMNI HALL
6280005  ARRANGED
CURRICULUM & INSTRUCTION

EXP TUTOR NATIVE AM C I 280C 1 CR.
SATISFACTORY-FAIL ONLY.
PREREQ: CREDIT OR CONCURRENT ENROLLMENT IN 280A
COLLEGE PERMISSION REQUIRED 1ST WEEK, PROCESS
APPROVED ADD SLIP IN 10 ALUMNI HALL
6281005 ARRANGED

EXP MUSEUM EDUCATION C I 280D 1 CR.
SATISFACTORY-FAIL ONLY.
PREREQ: CREDIT OR CONCURRENT ENROLLMENT IN 280A
DEPARTMENT PERMISSION REQUIRED 1ST WEEK, PROCESS
APPROVED ADD SLIP IN 10 ALUMNI HALL
6282005 ARRANGED

EXP INTERNTNL STDNT C I 280F 1-2 CR.
SATISFACTORY-FAIL ONLY.
PREREQ: CREDIT OR CONCURRENT ENROLLMENT IN 280A,
PERMISSION OF INSTRUCTOR REQUIRED
6284005 ARRANGED

EARLY FIELD EXPERIENCE C I 280L .5 CR.
SATISFACTORY-FAIL ONLY.
PREREQ: CREDIT OR CONCURRENT ENROLLMENT IN 280A
2843005 1 T 12:10-1:00
M 8:30-10:50
2843010 2 T 12:10-1:00
M 12:30-3:00
2843015 3 T 12:10-1:00
T 8:30-10:50
2843020 4 T 12:10-1:00
W 8:30-10:50
2843025 5 T 12:10-1:00
R 8:30-10:50
2843030 6 T 12:10-1:00
R 12:30-3:00
2843035 7 T 12:10-1:00
F 8:30-10:50
2843040 8 T 12:10-1:00
F 12:30-3:00

EXP SECONDARY SCIENCE C I 280M 1-2 CR.
SATISFACTORY-FAIL ONLY.
PREREQ: CREDIT OR CONCURRENT ENROLLMENT IN 280A
8266005 MW 8:00-9:30, ARRANGED

COMPUTER IN CLASSRM C I 302 3 CR.
PREREQ: 201 OR COM S 107
6289005 1 TR 11:00-1:00
NO MEETINGS FEB 15-MARCH 10

TRANSPR ORIENTATION C I 315 R CR.
SATISFACTORY-FAIL ONLY.
DEPARTMENT PERMISSION REQUIRED 1ST WEEK, PROCESS
APPROVED ADD SLIP IN 10 ALUMNI HALL
3250005 1 M 12:10-1:00

ED PSYCH YNG LEARNR C I 332 3 CR.
PREREQ: 201, PSYCH 230 OR HD FS 102, OPEN ONLY TO MAJORS IN EARLY CHILDHOOD ED OR EL ED
COURSE RESTRICTED TO EL ED, ECE E, ECE F MAJORS ONLY.
2635005 T 6:10-9:00PM
STUDENT TEACHING PRIMARY C I 416A VAR. CR.
PREREQ: GPA 2.5; FULL ADMISSION TO TEACHER EDUCATION; SENIOR CLASSIFICATION; 201, 378, 443, 448, 449; RESERVATION REQUIRED
PROFESSIONAL SUPPORT FEE $100.00-$200.00
DEPARTMENT PERMISSION REQUIRED 1ST WEEK, PROCESS APPROVED ADD SLIP IN 10 ALUMNI HALL
5054005  ARRANGED

STUDENT TEACHING INTMEDIAT C I 416B VAR. CR.
PREREQ: GPA 2.5; FULL ADMISSION TO TEACHER EDUCATION; SENIOR CLASSIFICATION; 201, 378, 443, 448, 449; RESERVATION REQUIRED
PROFESSIONAL SUPPORT FEE $100.00-$200.00
DEPARTMENT PERMISSION REQUIRED 1ST WEEK, PROCESS APPROVED ADD SLIP IN 10 ALUMNI HALL
5056005  ARRANGED

STUDENT TEACH FOR LANG C I 416C VAR. CR.
PREREQ: GPA 2.5; FULL ADMISSION TO TEACHER EDUCATION; SENIOR CLASSIFICATION; 201, 378, 443, 448, 449; RESERVATION REQUIRED
PROFESSIONAL SUPPORT FEE  $50.00-$100.00
5057005  ARRANGED

STUDENT TEACH INT’L K-3 C I 416D VAR. CR.
PREREQ: GPA 2.5; FULL ADMISSION TO TEACHER EDUCATION; SENIOR CLASSIFICATION; 201, 378, 443, 448, 449; RESERVATION REQUIRED
5053005  ARRANGED

INTERNATIONAL STUDENT TEACH 4-6 C I 416E VAR. CR.
PREREQ: GPA 2.5; FULL ADMISSION TO TEACHER EDUCATION; SENIOR CLASSIFICATION; 201, 378, 443, 448, 449; RESERVATION REQUIRED
6824005  ARRANGED

STUDENT TEACH SOC STDI C I 417A VAR. CR.
PREREQ: C I 493; ADMISSION TO TEACHER EDUC; APPROVAL OF COORD DURING SEM BEFORE STUDENT TCHG
PROFESSIONAL SUPPORT FEE $100.00-$200.00
9047005  1 ARRANGED
9047010  2 ARRANGED
9047015  3 ARRANGED

STUDENT TEACH PHYS SCI C I 417B VAR. CR.
PREREQ: C I 419; ADMISSION TO TEACHER EDUC; APPROVAL OF COORD DURING SEM BEFORE STUDENT TCHG
PROFESSIONAL SUPPORT FEE $100.00-$200.00
9048005  1 ARRANGED
9048010  2 ARRANGED
9048015  3 ARRANGED

STUDENT TEACH ENGLISH-LIT C I 417E VAR. CR.
PREREQ: ENGL 494; ADMISSION TO TEACHER EDUC; APPROVAL OF COORD DURING SEM BEFORE STUDENT TCHG
PROFESSIONAL SUPPORT FEE $100.00-$200.00
90497005  1 ARRANGED
90497010  2 ARRANGED
90497015  3 ARRANGED

STUDENT TEACH SPEECH C I 417F VAR. CR.
PREREQ: SP CM 495B; ADMISSION TO TEACHER EDUC; APPROVAL OF COORD DURING SEM BEFORE STUDENT TCHG
PROFESSIONAL SUPPORT FEE $100.00-$200.00
90481005  1 ARRANGED
90481010  2 ARRANGED
90481015  3 ARRANGED

STUDENT TEACHING MATH C I 417C VAR. CR.
PREREQ: MATH 497; ADMISSION TO TEACHER EDUC; APPROVAL OF COORD DURING SEM BEFORE STUDENT TCHG
PROFESSIONAL SUPPORT FEE $100.00-$200.00
9045005  1 ARRANGED
9045010  2 ARRANGED
9045015  3 ARRANGED

STUDENT TEACHING BIO SCI C I 417D VAR. CR.
PREREQ: C I 419; ADMISSION TO TEACHER EDUC; APPROVAL OF COORD DURING SEM BEFORE STUDENT TCHG
PROFESSIONAL SUPPORT FEE $100.00-$200.00
9046005  1 ARRANGED
9046010  2 ARRANGED
9046015  3 ARRANGED

STUDENT TEACHING PHYS SCI C I 417B VAR. CR.
APPROVED ADD SLIP IN 10 ALUMNI HALL

STUDENT TEACHING MATH C I 417C VAR. CR.
APPROVED ADD SLIP IN 10 ALUMNI HALL

STUDENT TEACHING BIO SCI C I 417D VAR. CR.
APPROVED ADD SLIP IN 10 ALUMNI HALL
CURRICULUM & INSTRUCTION

STUDNT TCH FRN LANG C I 417G VAR. CR.
PREREQ: C I/F LNG 487; ADMISSION TO TEACHER EDUC; APPROVAL OF COORD DURING SEM BEFORE STUDENT TCHG
PROFESSIONAL SUPPORT FEB $100.00-$200.00
9049005 1 ARRANGED
SECT 1: JAN 10-APR 8
SECTION 1 OFFERED FOR 12 CREDITS
9049010 2 ARRANGED
SECT 2: FEB 7-MAY 6
SECTION 2 OFFERED FOR 12 CREDITS
9049015 3 ARRANGED
SECT 3 OFFERED FOR 8 CREDITS.
INSTRUCTOR PERMISSION REQUIRED, PROCESS APPROVED ADD SLIP IN 10 ALUMNI HALL

STUDNT TCH EARTH SC C I 417J VAR. CR.
PREREQ: C I 413; ADMISSION TO TEACHER EDUC; APPROVAL OF COORD DURING SEM BEFORE STUDENT TCHG
PROFESSIONAL SUPPORT FEB $100.00-$200.00
9051005 1 ARRANGED
SECT 1: JAN 10-APR 8
SECTION 1 OFFERED FOR 12 CREDITS
9051010 2 ARRANGED
SECT 2: FEB 7-MAY 6
SECTION 2 OFFERED FOR 12 CREDITS
9051015 3 ARRANGED
SECT 3 OFFERED FOR 8 CREDITS.
INSTRUCTOR PERMISSION REQUIRED, PROCESS APPROVED ADD SLIP IN 10 ALUMNI HALL

STUDNT TCH SEC MUS C I 417K VAR. CR.
PREREQ: MUSIC 466; ADMISSION TO TEACHER EDUC; APPROVAL OF COORD DURING SEM BEFORE STUDENT TCHG
PROFESSIONAL SUPPORT FEB $100.00-$200.00
9052005 1 ARRANGED
SECT 1: JAN 10-APR 8
SECTION 1 OFFERED FOR 12 CREDITS
9052010 2 ARRANGED
SECT 2: FEB 7-MAY 6
SECTION 2 OFFERED FOR 12 CREDITS
9052015 3 ARRANGED
SECT 3 OFFERED FOR 8 CREDITS.

STUDNT TCH ELEM MUS C I 417L VAR. CR.
PREREQ: MUSIC 466; ADMISSION TO TEACHER EDUC; APPROVAL OF COORD DURING SEM BEFORE STUDENT TCHG
PROFESSIONAL SUPPORT FEB $100.00-$200.00
9053005 1 ARRANGED
SECT 1: JAN 10-APR 8
SECTION 1 OFFERED FOR 12 CREDITS
9053010 2 ARRANGED
SECT 2: FEB 7-MAY 6
SECTION 2 OFFERED FOR 12 CREDITS
9053015 3 ARRANGED
SECT 3 OFFERED FOR 8 CREDITS.

STUDNT TCH BASIC SCI C I 417M VAR. CR.
PREREQ: C I 413; ADMISSION TO TEACHER EDUC; APPROVAL OF COORD DURING SEM BEFORE STUDENT TCHG
PROFESSIONAL SUPPORT FEB $100.00-$200.00
9054005 1 ARRANGED
SECT 1: JAN 10-APR 8
SECTION 1 OFFERED FOR 12 CREDITS
9054010 2 ARRANGED
SECT 2: FEB 7-MAY 6
SECTION 2 OFFERED FOR 12 CREDITS

CURRICULUM & INSTRUCTION

STUDNT TCH BASIC SCI C I 417M VAR. CR.
9054005 1 ARRANGED
SECTION 3 OFFERED FOR 8 CREDITS.
INSTRUCTOR PERMISSION REQUIRED, PROCESS APPROVED ADD SLIP IN 10 ALUMNI HALL

SECDNY SCI MTHDT II C I 419 2 CR.
PREREQ: 280M,247,392; CONCURRENT ENROLLMT IN 468K
9019005 M 5:10-8:00PM
CONCURRENT ENROLLMENT IN 468K REQUIRED.

PRINCIPS SECDNY ED C I 426 3 CR.
PREREQ: 201, SR CLASSIFICATION, ADMITTED TO TEACHER EDUC PROGRAM, CONCURRENT ENROLLMENT IN 415
MUST TAKE CONCURRENTLY WITH 415
6293005 A W 5:10-8:00PM
6293010 B W 5:10-8:00PM

SOC STDS PRIM GRADE C I 433 2 CR.
PREREQ: 367, HD FS 221; CONCURRENT ENROLLMENT IN 438, 439, SP ED 355, 455
4487005 1 MW 1:10-2:25
NO MEETINGS FEB 15-MARCH 10

MATH IN PRIMRY GRDS C I 438 2 CR.
PREREQ: 367, HD FS 221; MATH 195; CONCURRENT ENROLLMENT IN 433, 439, 4680, SP ED 355, 455
TAKE CONCURRENTLY WITH C I 4680,468I, SP ED 355,455. REGISTER FOR THE SAME SECTION NUMBERS. REGISTER FOR SECTION 5 OR 6 OP 449.
4489005 1 MW 3:10-4:25
NO MEETINGS FEB 15-MARCH 10

SCI IN PRIMARY GRDS C I 439 2 CR.
PREREQ: 367, HD FS 221; CONCURRENT ENROLLMENT IN 433, 438, 4681, SP ED 455
REGISTER FOR SAME SECTION OF C I 433, C I 438 AND SP ED 355, SP ED 455.
4491005 1 TR 4:10-5:25
NO MEETINGS FEB 15-MARCH 10
4491010 2 TR 4:10-5:25

TCHNG OF SOC STUDIES C I 443 3 CR.
PREREQ: 377
COURSE RESTRICTED TO EL ED, ECE E & ECE F MAJORS ONLY.
DEPARTMENT PERMISSION REQUIRED 1ST WEEK, PROCESS APPROVED ADD SLIP IN 10 ALUMNI HALL
3258005 1 TR 8:00-9:50
NO MEETINGS FEB 15-MARCH 10
3258010 2 TR 11:00-12:50
NO MEETINGS FEB 15-MARCH 10

TCHNG CHILDREN MATH C I 448 3 CR.
PREREQ: MATH 195, 196, CONCURRENT ENROLLMENT IN C I 377, 468A, 468C
COURSE RESTRICTED TO EL ED MAJORS ONLY.
MUST ENROLL IN SAME SECTION NUMBER OF 377,468A, 468C
DEPARTMENT PERMISSION REQUIRED 1ST WEEK, PROCESS APPROVED ADD SLIP IN 10 ALUMNI HALL
3260005 1 MW 1:10-3:00
NO MEETINGS MARCH 21-APRIL 15
3260010 2 MW 10:00-11:50
NO MEETINGS MARCH 21-APRIL 15
CURRICULUM & INSTRUCTION

TEACHING OF SCIENCE  C I  449  3 CR.
PREREQ: 377, CONCURRENT ENROLLMENT IN 378, 468B
468D, JUNIOR CLASSIFICATION
COURSE RESTRICTED TO EL ED MAJORS ONLY.
MUST ENROLL IN SAME SECTION NUMBER OF 468B, 378,
468D.
DEPARTMENT PERMISSION REQUIRED 1ST WEEK, PROCESS
APPROVED ADD SLIP IN 10 ALUMNI HALL
3261005  1 TR  8:00-9:50
NO MEETINGS FEB 16-MARCH 10
3261010  2 TR 10:00-11:50
NO MEETINGS FEB 16-MARCH 10
3261015  3 TR 12:10-2:00
NO MEETINGS FEB 16-MARCH 10
3261020  4 TR  2:10-4:00
NO MEETINGS FEB 15-MARCH 10

RDNG&LANGUAG TCHNOL  C I  456  3 CR.
PREREQ: 201, 377
DEPARTMENT PERMISSION REQUIRED 1ST WEEK, PROCESS
APPROVED ADD SLIP IN 10 ALUMNI HALL
3257005  T  5:10-8:00PM

PRA PRMY RDG&LANG  C I  468A  1 CR.
SATISFACTORY-FAIL ONLY.
PREREQ: 245, 250, 268; ADMISSION TO TEACHER EDUC
RESTRICTED TO EL ED MAJORS ONLY. TAKE
CONCURRENTLY WITH C I 377 AND 448 AND 468C. MUST
ENROLL IN SAME SECTION NUMBERS.
PROFESSIONAL SUPPORT AND FIELD TRIPS &
TRAVEL FEE $43.75
DEPARTMENT PERMISSION REQUIRED 1ST WEEK, PROCESS
APPROVED ADD SLIP IN 10 ALUMNI HALL
3265005  1 MW  7:30-4:30
SECT 1:MARCH 21-APRIL 13

PRA RDG&LANG INTRMD  C I  468B  1 CR.
SATISFACTORY-FAIL ONLY.
PREREQ: 245, 250, 268; ADMISSION TO TEACHER EDUC
COURSE RESTRICTED TO EL ED MAJORS ONLY.
TAKE CONCURRENTLY WITH C I 377, 449, 468D.
MUST ENROLL IN SAME SECTION NUMBERS OF 377,
449, 468D.
PROFESSIONAL SUPPORT AND FIELD TRIPS &
TRAVEL FEE $43.75
DEPARTMENT PERMISSION REQUIRED 1ST WEEK, PROCESS
APPROVED ADD SLIP IN 10 ALUMNI HALL
3266005  1 TR  7:30-4:30
SECT 1:FEB 15-MARCH 10

TCHG PRACTICUM MATH  C I  468C  1 CR.
SATISFACTORY-FAIL ONLY.
PREREQ: 245, 250, 268; ADMISSION TO TEACHER EDUC
COURSE ONLY OFFERED FOR 1 CREDIT SPRING 2005
COURSE RESTRICTED TO EL ED MAJORS ONLY. TAKE
CONCURRENTLY WITH 377, 448, AND 468D.
PROFESSIONAL SUPPORT AND FIELD TRIPS &
TRAVEL FEE $43.75
DEPARTMENT PERMISSION REQUIRED 1ST WEEK, PROCESS
APPROVED ADD SLIP IN 10 ALUMNI HALL
3267005  1 MW  7:30-4:30
SECT 1:MARCH 21-APRIL 13

CURRICULUM & INSTRUCTION

TCHNG PRACTICUM SCI  C I  468D  1 CR.
SATISFACTORY-FAIL ONLY.
PREREQ: 245, 250, 268; ADMISSION TO TEACHER EDUC
COURSE ONLY OFFERED FOR 1 CREDIT SPRING 2005
RESTRICTED TO EL ED MAJORS ONLY. TAKE CONCURRENTLY
WITH 378, 449, 468B. REGISTER FOR SAME SECTION
NUMBERS.
PROFESSIONAL SUPPORT AND FIELD TRIPS &
TRAVEL FEE $43.75
DEPARTMENT PERMISSION REQUIRED 1ST WEEK, PROCESS
APPROVED ADD SLIP IN 10 ALUMNI HALL
3268005  1 TR  7:30-4:30
SECT 1:FEB 15-MARCH 10

PRA PRMY LITRCY INC  C I  468F  1 CR.
SATISFACTORY-FAIL ONLY.
PREREQ: 245, 250, 268; ADMISSION TO TEACHER EDUC
TAKE CONCURRENTLY WITH C I 438, 489, 468I, AND
SP ED 355, 455. REGISTER FOR THE SAME SECTION NUMBERS.
PROFESSIONAL SUPPORT AND FIELD TRIPS &
TRAVEL FEE $43.75
4524005  1 MW  7:30-12:30
SECT 1:FEB 14-MARCH 9

PRA PRMY MATH INCL  C I  468G  1 CR.
SATISFACTORY-FAIL ONLY.
PREREQ: 245, 250, 268; ADMISSION TO TEACHER EDUC
TAKE CONCURRENTLY WITH C I 438, 489, 468I, AND
SP ED 355, 455. REGISTER FOR THE SAME SECTION NUMBERS.
PROFESSIONAL SUPPORT AND FIELD TRIPS &
TRAVEL FEE $43.75
4518005  1 MW  7:30-12:30
SECT 1:FEB 14-MARCH 9

PRA PRMY SCI INCL  C I  468I  1 CR.
SATISFACTORY-FAIL ONLY.
PREREQ: 245, 250, 268; ADMISSION TO TEACHER EDUC
TAKE CONCURRENTLY WITH C I 438, 489, 468I, AND
SP ED 355, 455. REGISTER FOR THE SAME SECTION NUMBERS.
PROFESSIONAL SUPPORT AND FIELD TRIPS &
TRAVEL FEE $43.75
4528005  1 MW  7:30-4:30
SECT 1:FEB 16-MARCH 9

PRACTICM SEC SCI II  C I  468K  2 CR.
SATISFACTORY-FAIL ONLY.
PREREQ: 245, 250, 268; ADMISSION TO TEACHER EDUC
CONCURRENT ENROLLMENT IN C I 419 REQUIRED.
PROFESSIONAL SUPPORT AND FIELD TRIPS &
TRAVEL FEE $50.00
8223005  ARRANGED

PLD EXP TCH HISTORY  C I  480A  .5- 2 CR.
COURSE ONLY OFFERED FOR 1-2 CREDITS SPRING 2005.
9055005  ARRANGED

FIELD EXP TCHG MATH  C I  480C  .5- 2 CR.
COURSE ONLY OFFERED FOR 1 CREDITS SPRING 2005
9057005  ARRANGED

SPRVSD TUTOR READNG  C I  488  3 CR.
PREREQ: 416 OR LAS 417
5255005  1 S  9:00-1:00, ARRANGED
SECT 1:JAN 15-APRIL 30
MEETS EIGHT SATURDAYS 9-1, PLUS ARRANGED
TUTORING
JAN 15,22,29, FEB 5, MARCH 5, APRIL 2,23,30.
CURRICULUM & INSTRUCTION

INDEP STUDY EDUCATN  C I  490A  VAR. CR.
PREREQ: GPA OF 2.5 OR MORE FOR PRECEDING SEMESTER
INSTRUCTOR PERMISSION REQUIRED 1ST WEEK, PROCESS
APPROVED ADD SLIP IN 10 ALUMNI HALL
******* SEE DEPT FOR REFERENCE NUMBERS

IND STD VOC-ED GUID  C I  490B  1- 3 CR.
PREREQ: GPA OF 2.5 OR MORE FOR PRECEDING SEMESTER
******* SEE DEPT FOR REFERENCE NUMBERS

IND STD CURR CONSTR  C I  490C  1- 3 CR.
PREREQ: GPA OF 2.5 OR MORE FOR PRECEDING SEMESTER
******* SEE DEPT FOR REFERENCE NUMBERS

INDEP STD PRIN EDUC  C I  490D  1- 3 CR.
PREREQ: GPA OF 2.5 OR MORE FOR PRECEDING SEMESTER
******* SEE DEPT FOR REFERENCE NUMBERS

INDEP STD METH TCHG  C I  490E  1- 3 CR.
PREREQ: GPA OF 2.5 OR MORE FOR PRECEDING SEMESTER
******* SEE DEPT FOR REFERENCE NUMBERS

IND STDY EDUC PSYCH  C I  490F  1- 3 CR.
PREREQ: GPA OF 2.5 OR MORE FOR PRECEDING SEMESTER
******* SEE DEPT FOR REFERENCE NUMBERS

IND STD INST TCHNOL  C I  490G  1- 3 CR.
PREREQ: GPA OF 2.5 OR MORE FOR PRECEDING SEMESTER
******* SEE DEPT FOR REFERENCE NUMBERS

INDEP STUDY HONORS  C I  490H  1- 3 CR.
PREREQ: GPA OF 2.5 OR MORE FOR PRECEDING SEMESTER
******* SEE DEPT FOR REFERENCE NUMBERS

INDEP STD EDUC STAT  C I  490I  1- 3 CR.
PREREQ: GPA OF 2.5 OR MORE FOR PRECEDING SEMESTER
******* SEE DEPT FOR REFERENCE NUMBERS

IND STD MULTICUL ED  C I  490J  1- 3 CR.
PREREQ: GPA OF 2.5 OR MORE FOR PRECEDING SEMESTER
******* SEE DEPT FOR REFERENCE NUMBERS

IND STD LITERACY ED  C I  490L  1- 3 CR.
PREREQ: GPA OF 2.5 OR MORE FOR PRECEDING SEMESTER
******* SEE DEPT FOR REFERENCE NUMBERS

INDEP STD MATH EDUC  C I  490M  1- 3 CR.
PREREQ: GPA OF 2.5 OR MORE FOR PRECEDING SEMESTER
******* SEE DEPT FOR REFERENCE NUMBERS

IND STDY FOUND EDUC  C I  490O  1- 3 CR.
PREREQ: GPA OF 2.5 OR MORE FOR PRECEDING SEMESTER
******* SEE DEPT FOR REFERENCE NUMBERS

METHS TCHG HIST/SOC  C I  493  3 CR.
1057005 1 R 12:40-3:30

TEACH LIT SECONDARY  C I  494  3 CR.
PREREQ: 310,392,394, 9 OTHER CR IN ENGL BEYOND
105, PSYCH 333, ADMISSION TO TEACHER EDUC PROGRAM
6305005 A TR 2:10-3:30

CURRICULUM & INSTRUCTION

DESIGN&DEVELP MEDIA  C I  502 2- 4 CR.
PREREQ: 501; GRADUATE CLASSIFICATION
COURSE OFFERED FOR 2 CREDITS S05
2793005 T 4:10-6:00PM

INTR TECHN IN TEACH  C I  505  2 CR.
PREREQ: GRADUATE CLASSIFICATION
BLEND OF ON-LINE AND FACE-TO-FACE. TWO ON-CAMPUS
SAT. MEETINGS REQUIRED. INSTRUCTOR PERMISSION
REQUIRED- ANN THOMPSON 294-5287 OR EAT@IASTATE.EDU
2796005 ARRANGED
INSTRUCTOR PERMISSION REQUIRED, PROCESS
APPROVED ADD SLIP IN 10 ALUMNI HALL

GEOMETRY K-12 CLSRM  C I  509  3 CR.
PREREQ: 448, 497, OR GRADUATE STATUS
4446005 1 R 5:10-8:00PM

TECHNOLOGY DIFFUSION  C I  511X  3 CR.
PREREQ: ADMISSION TO GRADUATE STUDY
8373005 M 5:10-8:00PM

MATH PROB SOLV K-12  C I  513X  3 CR.
PREREQ: 448 OR 497, 6 CR OF MATH, INSTR PERMISSN
6988005 T 5:10-8:00PM

ACTION RESEARCH  C I  515X  3 CR.
PREREQ: ADMISSION TO GRADUATE STUDY, ONE COURSE
IN RESEARCH METHODS OR STATISTICS
1901005 W 5:10-8:00PM

ANTIRACIST CURR DEV  C I  516  3 CR.
PREREQ: 9 CREDITS IN EDUCATION
6314005 M 6:00-9:00PM

SECDNY SCI MTHD II  C I  519X  2 CR.
PREREQ: 518X AND 547
8368005 M 5:10-8:00PM

PRIN SECONDARY EDUC  C I  526  3 CR.
PREREQ: 6 CREDITS IN EDUCATION
7724005 A W 5:10-8:00PM
MUST TAKE CONCURRENTLY WITH CI 415

BIOTECHNLGY ETHICS  C I  530X  1 CR.
PREREQ: MUST BE EXTENSION PERSONNEL OR A
LICENSED K-12 TEACHER IN IOWA, MINNESOTA, WISCONSIN,
NORTH OR SOUTH DAKOTA. OR BY INSTRUCTOR PERMISSION.
7879005 MW 4:30-6:00PM

EDUC PSYCH LEARNING  C I  533  3 CR.
PREREQ: 333 OR TEACHER LICENSURE
4363005 MW 4:30-6:00PM

APP MEASRTM ED PSYC  C I  534X  3 CR.
PREREQ: STAT 401 OR RESEV 552
7759005 T 4:30-6:00PM
ARRANGED

ADV PEDAG SCIENC ED  C I  546  3 CR.
PREREQ: BACHELOR'S DEGREE
3527005 M 6:00-9:00PM
CURRICULUM & INSTRUCTION

CORRECTIVE READING  C I   552  3 CR.
PREREQ: ONE COURSE IN READING
3276005  R 5:30-8:30PM

TECHNOL IN READ&LANG  C I   556  3 CR.
PREREQ: TEACHING LICENSE
1285005  W 5:10-8:00PM

EDUC BLACKS IN U.S.  C I   578X  3 CR.
PREREQ: PERMISSION OF INSTRUCTOR
7784005  W 1:10-4:00

SUPVS TUTOR READING  C I   588  3 CR.
PREREQ: 552
9245005  1 S 9:00-1:00, ARRANGED
SECT 1: JAN 15-APRIL 30
MEETS EIGHT SATURDAYS 9-1, PLUS ARRANGED
TUTORING JAN 15, 22, 29, FEB 5, MARCH 5, APRIL 2, 23 AND 30.

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

SP TOP INSTR TECHNO  C I   590B  1- 3 CR.
PREREQ: 9 GRADUATE CREDITS IN EDUCATION
******    SEE DEPT FOR REFERENCE NUMBERS

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

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

SP TOP ENVIRON EDUC  C I   590E  1- 3 CR.
PREREQ: 9 GRADUATE CREDITS IN EDUCATION
******    SEE DEPT FOR REFERENCE NUMBERS

SP TOP MULTICULT ED  C I   590F  1- 3 CR.
PREREQ: 9 GRADUATE CREDITS IN EDUCATION
******    SEE DEPT FOR REFERENCE NUMBERS

SPL TOPICS MATH EDUC  C I   590G  1- 3 CR.
PREREQ: 9 GRADUATE CREDITS IN EDUCATION
******    SEE DEPT FOR REFERENCE NUMBERS

SPCL TOPICS ELEM ED  C I   590I  1- 3 CR.
PREREQ: 9 GRADUATE CREDITS IN EDUCATION
******    SEE DEPT FOR REFERENCE NUMBERS

SPL TOP FOREIGN LNG  C I   590J  1- 3 CR.
PREREQ: 9 GRADUATE CREDITS IN EDUCATION
******    SEE DEPT FOR REFERENCE NUMBERS

SPL TOP EDUC PSYCH  C I   590K  1- 3 CR.
PREREQ: 9 GRADUATE CREDITS IN EDUCATION
******    SEE DEPT FOR REFERENCE NUMBERS

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

CURRICULUM & INSTRUCTION

FLD EXP FOREIG LANG  C I   591B  1- 6 CR.
PREREQ: 15 GRADUATE CREDITS IN SPECIAL AREA
PROFESSIONAL SUPPORT AND FIELD TRIPS & TRAVEL FEE $25.00
8128005  1 ARRANGED

FIELD EXP ELEM EDUC  C I   591C  1- 6 CR.
PREREQ: 15 GRADUATE CREDITS IN SPECIAL AREA
PROFESSIONAL SUPPORT AND FIELD TRIPS & TRAVEL FEE $25.00
8489005  1 ARRANGED

FIELD EXP SECOND ED  C I   591D  1- 6 CR.
PREREQ: 15 GRADUATE CREDITS IN SPECIAL AREA
COURSE OFFERED FOR 2 CREDITS SPRING 2005.
PROFESSIONAL SUPPORT AND FIELD TRIPS & TRAVEL FEE $25.00
5058005  ARRANGED

INSTR TECHNOL WKSHP  C I   593B  1- 3 CR.
PREREQ: 9 GRADUATE CREDITS IN EDUCATION
COURSE OFFERED FOR 2 CREDITS S05.
TOPIC: DESIGNING INSTRUCTION WITH THE CONCEPT OF SELF MANAGED LEARNING

SCIENCE EDUC WKSHP  C I   593C  1- 3 CR.
PREREQ: 9 GRADUATE CREDITS IN EDUCATION
COURSE ONLY OFFERED FOR 1 CREDIT SPRING 2005.
PERMISSION OF INSTRUCTOR REQUIRED TO ADD. PROCESS APPROVED ADD SLIP IN 10 ALUMNI HALL.
28111005  R 5:10-7:00PM

TCHG READG MIDL&SEC  C I   595  3 CR.
PREREQ: 9 GRADUATE CREDITS IN EDUCATION
MEETS FEB 12, MARCH 5, 26, APRIL 9, 23 & ARRANGED
2817005  S 10:00-4:00, ARRANGED
FEB 12-APRIL 23

CURRIC PROB&INQUIRY  C I   596  3 CR.
PREREQ: 594
MEETS FEB 12, MARCH 5, 26, APRIL 9, 23 & ARRANGED
2817005  S 10:00-4:00, ARRANGED

CRTV COMP CURRICULM  C I   599A  1- 3 CR.
PREREQ: 9 GRADUATE CREDITS IN EDUCATION
******    SEE DEPT FOR REFERENCE NUMBERS

CR COMP INSTR TCHNL  C I   599B  1- 3 CR.
PREREQ: 9 GRADUATE CREDITS IN EDUCATION
******    SEE DEPT FOR REFERENCE NUMBERS

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

CRTV COMP SECNDR ED  C I   599D  1- 3 CR.
PREREQ: 9 GRADUATE CREDITS IN EDUCATION
******    SEE DEPT FOR REFERENCE NUMBERS
CURRICULUM & INSTRUCTION

CRT COMP ENVIRON ED  C I  599E  1-3 CR.
PREREQ: 9 GRADUATE CREDITS IN EDUCATION
******* SEE DEPT FOR REFERENCE NUMBERS

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

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

CRTV COMPON ELEM ED  C I  599I  1-3 CR.
PREREQ: 9 GRADUATE CREDITS IN EDUCATION
******* SEE DEPT FOR REFERENCE NUMBERS

SEMINR INSTR TECHNOL  C I  615B  1 CR.
BLEND OF ON-LINE AND FACE-TO-FACE. TWO ON-CAMPUS SAT. MEETINGS REQUIRED. INSTRUCTOR PERMISSION REQUIRED-DENISE SCHIMIDT 294-9141 OR DSCHMIDT@IASTATE.EDU 5264005 ARRANGED

SEM MULTICULTURAL ED  C I  615F  1 CR.
4563005 T 4:10-5:00

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

ADV SPCL TOP INS TCH  C I  690B VAR. CR.
PREREQ: 9 GRADUATE CREDITS IN EDUCATION
******* SEE DEPT FOR REFERENCE NUMBERS

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

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

ADV SPCL TOP ENVR ED  C I  690E VAR. CR.
PREREQ: 9 GRADUATE CREDITS IN EDUCATION
******* SEE DEPT FOR REFERENCE NUMBERS

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

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

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

CURRICULUM & INSTRUCTION

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

RES INSTRUC TECHNOL  C I  699B VAR. CR.
PREREQ: 9 GRADUATE CREDITS IN EDUCATION
******* SEE DEPT FOR REFERENCE NUMBERS

RESrch SCIENCE EDUC  C I  699C VAR. CR.
PREREQ: 9 GRADUATE CREDITS IN EDUCATION
******* SEE DEPT FOR REFERENCE NUMBERS

RESrch SEcnDRy EDUC  C I  699D VAR. CR.
PREREQ: 9 GRADUATE CREDITS IN EDUCATION
******* SEE DEPT FOR REFERENCE NUMBERS

RES ARCH MATH EDUC  C I  699G VAR. CR.
PREREQ: 9 GRADUATE CREDITS IN EDUCATION
******* SEE DEPT FOR REFERENCE NUMBERS

RESrch ELEM EDUC  C I  699I VAR. CR.
PREREQ: 9 GRADUATE CREDITS IN EDUCATION
******* SEE DEPT FOR REFERENCE NUMBERS

RESrch PSYCHOL  C I  699K VAR. CR.
PREREQ: 9 GRADUATE CREDITS IN EDUCATION
******* SEE DEPT FOR REFERENCE NUMBERS

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

CZECH

ELEMENTARY CZECH II  CZECH 102X  4 CR.
PREREQ: 101X INSTRUCTION RECEIVED VIA ELECTRONIC TECHNOLOGY, PLUS EXTENSIVE USE OF DIGITAL MATERIALS/INTERNET. MEETS INTERNATIONAL PERSPECTIVES REQMT. 8019005 TR 11:30-12:45 ARRANGED

DANCE

MODERN DANCE I  DANCE 120  1 CR.
SATISFACTORY-FAIL ONLY. MATERIALS AND PROFESSIONAL SUPPORT FEE $20.00 2838005 1 MW 2:10-3:30 2838010 2 MW 11:00-12:20

BALLET I  DANCE 130  1 CR.
SATISFACTORY-FAIL ONLY. MATERIALS AND PROFESSIONAL SUPPORT FEE $20.00 2839005 1 TR 12:40-2:00
DANCE

JAZZ I               DANCE 140       1 CR.
SATISFACTORY-FAIL ONLY.
2840005   1 TR 2:10-3:30

BALLROOM DANCE I      DANCE 160      1 CR.
SATISFACTORY-FAIL ONLY.
2842005   1 TR 10:00-10:50
SECTION 1 FOR MEN ONLY. MEETS WITH
SECTION 2

SECTION 1
2842015   3 TR 11:00-11:50
SECTION 3 FOR MEN ONLY. MEETS WITH
SECTION 4

SECTION 4
2842020   4 TR 11:00-11:50
SECTION 4 FOR WOMEN ONLY. MEETS WITH

SECTION 1

DANCE CONTINUUM       DANCE 199 .5- 2 CR.
SATISFACTORY-FAIL ONLY.
PREREQ: INSTRUCTOR PERMISSION, ADVANCE
REGISTRATION REQUIRED
COURSE ONLY OFFERED FOR 1-2 CREDITS SPRING 2005
APPROVED ADD SLIP IN 10 ALUMNI HALL
2845005   1 ARRANGED

FUND SOCIAL&WORLD D   DANCE 211      2 CR.
PREREQ: HHP TEACHER ED PROGRAM ADMISSIBLE
COURSE RESTRICTED TO EX SP MAJORS ONLY
9612005   1 MWF 10:00-10:50

MODERN DANCE II       DANCE 222      1 CR.
PREREQ: 120 OR PREVIOUS MODERN DANCE EXPERIENCE
MATERIALS AND PROFESSIONAL SUPPORT FEE $20.00
2847005   1 MWF 10:00-10:50

CONCERT&THTRE DANCE   DANCE 224 .5- 2 CR.
SATISFACTORY-FAIL ONLY.
PREREQ: BY AUDITION ONLY
INSTRUCTOR PERMISSION REQUIRED 1ST WEEK, PROCESS
APPROVED ADD SLIP IN 10 ALUMNI HALL
2849005   1 ARRANGED
SECTION 1 OFFERED FOR .5 CREDIT ONLY
2849010   2 ARRANGED
SECTION 2 OFFERED FOR 1 CREDIT ONLY
2849015   3 ARRANGED
SECTION 3 OFFERED FOR 2 CREDITS ONLY

BALLET II             DANCE 232      1 CR.
PREREQ: PREVIOUS BALLET EXPERIENCE
MATERIALS AND PROFESSIONAL SUPPORT FEE $20.00
2850005   1 MW 2:10-3:30

JAZZ II               DANCE 242       1 CR.
PREREQ: PREVIOUS JAZZ DANCE EXPERIENCE
2852005   1 TR 3:40-5:00

DANCE APPRECIATION     DANCE 270      3 CR.
2855005   1 MWF 1:10-2:00

SOUND AND MOVEMENT     DANCE 320      3 CR.
PREREQ: 220
2856005   1 TR 2:10-3:30

DANCE CONTINUUM       DANCE 370 1- 3 CR.
PREREQ: 2 CR IN DANCE, ADVANCE REGISTRATION REQ'D
INSTRUCTOR PERMISSION REQUIRED 1ST WEEK, PROCESS
APPROVED ADD SLIP IN 10 ALUMNI HALL
2858005   1 ARRANGED

TCHG CHLDRN'S DANCE   DANCE 384       2 CR.
2859005   1 MW 11:00-12:30

INDEPENDENT STUDY     DANCE 490 1- 3 CR.
PREREQ: 6 CR IN DANCE, PERMISSION OF COORDINATOR
COURSE ONLY OFFERED FOR 1-3 CREDITS SPRING 2005
INSTRUCTOR PERMISSION REQUIRED 1ST WEEK, PROCESS
APPROVED ADD SLIP IN 10 ALUMNI HALL
******   SEE DEPT FOR REFERENCE NUMBERS

DESIGN STUDIES

LEARNING LAB         DSN S 102X      4 CR.
ODD-NUMBERED SECTIONS RESTRICTED TO COLLEGE OF
DESIGN MAJORS. EVEN-NUMBERED SECTIONS RESTRICTED TO
COLLEGES OTHER THAN DESIGN.
8050015   3 MW 8:00-10:50
F 3:10-4:00
8050025   5 MW 11:00-2:00
F 3:10-4:00
8050030   6 MW 11:00-2:00
F 3:10-4:00
8050035   7 MW 11:00-2:00
F 3:10-4:00
8050045   9 MW 11:00-2:00
F 3:10-4:00
8050055  11 MW 2:10-5:00
F 3:10-4:00
8050065  13 MW 2:10-5:00
F 3:10-4:00
8050070  14 MW 2:10-5:00
F 3:10-4:00
8050075  15 MW 2:10-5:00
F 3:10-4:00
8050085  17 TR 8:00-10:50
F 3:10-4:00
8050090  18 TR 8:00-10:50
F 3:10-4:00
8050095  19 TR 8:00-10:50
F 3:10-4:00
8050105  21 TR 8:00-10:50
F 3:10-4:00
8050115  23 TR 11:00-2:00
F 3:10-4:00
8050125  25 TR 11:00-2:00
F 3:10-4:00
8050130  26 TR 11:00-2:00
F 3:10-4:00
8050135  27 TR 11:00-2:00
F 3:10-4:00
8050145  29 TR 2:10-5:00
F 3:10-4:00
8050155  31 TR 2:10-5:00
F 3:10-4:00
8050165  33 TR 2:10-5:00
F 3:10-4:00
8050170  34 TR 2:10-5:00
F 3:10-4:00
8050175  35 TR 2:10-5:00
F 3:10-4:00
DESIGN STUDIES

LEARNING LAB    DSN S 102X     4 CR.
8050185  37 MW 8:00-10:50
F 3:10-4:00

DESIGN EXCH SEMIN II   DSN S 111     1 CR.
SATISFACTORY-FAIL ONLY.
PREREQ: MEMBER OF DESIGN EXCHANGE LEARN COMMUNITY
COURSE RESTRICTED TO COLLEGE OF DESIGN STUDENTS.
MATERIALS AND FIELD TRIPS & TRAVEL FEE $55.00-$80.00
7658005   1 T 6:00-7:30PM          GANSEMER-TOFF A

FOUNDATION DRAWING    DSN S 131X     4 CR.
ODD-NUMBERED SECTIONS RESTRICTED TO COLLEGE OF
DESIGN MAJORS. EVEN-NUMBERED SECTIONS RESTRICTED TO
COLLEGES OTHER THAN DESIGN.
MATERIALS FEE $5.00
2124005   1 MWF 8:00-9:50
TR 3:40-5:00
2124010  2 MWF 8:00-9:50
TR 3:40-5:00
2124015  3 MWF 8:00-9:50
TR 3:40-5:00
2124025  5 MWF 8:00-9:50
TR 3:40-5:00
2124035  7 MWF 10:00-11:50
TR 3:40-5:00
2124045  9 MWF 8:00-9:50
TR 3:40-5:00
2124055 11 MWF 10:00-11:50
TR 3:40-5:00
2124065 13 MWF 10:00-11:50
TR 3:40-5:00
2124075 15 MWF 12:10-2:00
TR 3:40-5:00
2124080 16 MWF 12:10-2:00
TR 3:40-5:00
2124085 17 MWF 12:10-2:00
TR 3:40-5:00
2124090 18 MWF 12:10-2:00
TR 3:40-5:00
2124105 21 MWF 12:10-2:00
TR 3:40-5:00
2124115 23 MWF 2:10-4:00
TR 3:40-5:00
2124120 24 MWF 2:10-4:00
TR 3:40-5:00
2124125 25 MWF 2:10-4:00
TR 3:40-5:00
2124130 26 MWF 2:10-4:00
TR 3:40-5:00
2124135 27 MWF 10:00-11:50
TR 3:40-5:00
2124145 29 MWF 2:10-4:00
TR 3:40-5:00
2124155 31 TR 8:00-10:50
TR 3:40-5:00
2124160 32 TR 8:00-10:50
TR 3:40-5:00
2124165 33 TR 8:00-10:50
TR 3:40-5:00
2124175 35 TR 8:00-10:50
TR 3:40-5:00
2124185 37 TR 11:00-2:00
TR 3:40-5:00
2124195 39 TR 11:00-2:00
TR 3:40-5:00

HIST WESTERN ARC II   DSN S 222     3 CR.
MEETS INTERNATIONAL PERSPECTIVES REQMT.
3863005 A MWF 1:10-2:00 BRADBURY S
3863010 B MWF 1:10-2:00 JESKE K
SECTION B RESTRICTED TO C R P MAJORS

HISTORY OF ART II     DSN S 281      3 CR.
MEETS INTERNATIONAL PERSPECTIVES REQMT.
2637005 TR 12:40-2:00

STUDY ABRD PREP SEMN   DSN S 301     1 CR.
Satisfactory-Fail Only.
PREREQ: PERMISSION OF INSTRUCTOR
7396005  1 M 7:30-8:30PM
SEC 1 RESTRICTED TO ART & DESIGN MAJORS
ONLY.
- PREPARATORY FOR FALL STUDY ABROAD
7396010  2 M 6:30-7:30PM
SEC 2 RESTRICTED TO THE COLLEGE OF
DESIGN STUDENTS-PREPARATORY FOR SUMMER STUDY
ABROAD

URBAN FORM           DSN S 320     3 CR.
8078005 MWF 1:10-2:00 OWUSU F
SECTION INFO:
http://www.public.iastate.edu/~efowusu/cour
DESIGN STUDIES

SOLAR HOME DESIGN DSN S 351 3 CR.
PREREQ: ARCH 202
FIELD TRIPS & TRAVEL FEE $10.00
2152005 R 7:00-9:40PM

LAND ARC HIST 1800- DSN S 371 3 CR.
4697005 1 TR 9:30-10:50
SECT 1 RESTRICTED TO L A MAJORS ONLY
4697010 2 TR 9:30-10:50
SECT 2 FOR MAJORS OTHER THAN L A

RENAISSANCE ART DSN S 385 3 CR.
FIELD TRIPS & TRAVEL FEE $0.00-$15.00
AVAILABLE FOR NONMAJOR GRADUATE CREDIT.
INSTRUCTOR PERMISSION REQUIRED 1ST WEEK, PROCESS
APPROVED ADD SLIP IN 10 ALUMNI HALL
2668005 TR 11:00-12:20

PLAN DEVE COUNTRIES DSN S 429 3 CR.
PREREQ: JUNIOR CLASSIFICATION
3990005 TR 3:40-5:00  OWUSU F
SECTION INFO:
http://www.public.iastate.edu/~tefowusu/cour

SITE ANALYSIS&DEV DES DSN S 442 3 CR.
PREREQ: C R P 253, 272
3963005 T 6:10-9:00PM

HOUSE THE AGING DSN S 463 3 CR.
PREREQ: 360 OR 3 CREDITS IN HOUS, ARCH, INTERIOR DESIGN, REHABILITATION, PSYCH OR HD FS
FIELD TRIPS & TRAVEL FEE $10.00
MEETS U.S. DIVERSITY REQMT.
4720005 TR 11:00-12:20

PRESERV & REHABTN DSN S 467 3 CR.
PREREQ: SENIOR CLASSIFICATION
FIELD TRIPS & TRAVEL FEE $10.00
AVAILABLE FOR NONMAJOR GRADUATE CREDIT.
2155005 1 TR 9:30-10:50
SECTION 1 RESTRICTED TO ARC, ARCH MAJORS
2155010 2 TR 9:30-10:50
SECTION 2 FOR MAJORS OTHER THAN ARC, ARCH

TOPIC LANDSC DESIGN DSN S 478A 2- 3 CR.
PREREQ: 371 OR SENIOR CLASSIF OR GRAD STANDING
MATERIALS AND FIELD TRIPS & TRAVEL FEE $15.00-$40.00
8278005 ARRANGED

TOPIC PLANTNG DSIGN DSN S 478B 2- 3 CR.
PREREQ: 371 OR SENIOR CLASSIF OR GRAD STANDING
MATERIALS AND FIELD TRIPS & TRAVEL FEE $15.00-$40.00
8279005 ARRANGED

TOPIC CONSTRUCTION DSN S 478C 2- 3 CR.
PREREQ: 371 OR SENIOR CLASSIF OR GRAD STANDING
MATERIALS AND FIELD TRIPS & TRAVEL FEE $15.00-$40.00
8280005 ARRANGED

TOPIC HIST/THRY/CRT DSN S 478D 2- 3 CR.
PREREQ: 371 OR SENIOR CLASSIF OR GRAD STANDING
MATERIALS AND FIELD TRIPS & TRAVEL FEE $15.00-$40.00
8281005 ARRANGED

TOPIC LANDSC PLANNING DSN S 478E 2- 3 CR.
PREREQ: 371 OR SENIOR CLASSIF OR GRAD STANDING
MATERIALS AND FIELD TRIPS & TRAVEL FEE $15.00-$40.00
8282005 ARRANGED

TOPIC INTERDISCPLN DSN S 478I 2- 3 CR.
PREREQ: 371 OR SENIOR CLASSIF OR GRAD STANDING
MATERIALS AND FIELD TRIPS & TRAVEL FEE $15.00-$40.00
8286005 ARRANGED

TOPIC INTERNAT'L ST DSN S 478J 2- 3 CR.
PREREQ: 371 OR SENIOR CLASSIF OR GRAD STANDING
MATERIALS AND FIELD TRIPS & TRAVEL FEE $15.00-$40.00
8287005 ARRANGED

TOPIC COMPUTER APP DSN S 478K 2- 3 CR.
PREREQ: 371 OR SENIOR CLASSIF OR GRAD STANDING
MATERIALS AND FIELD TRIPS & TRAVEL FEE $15.00-$40.00
8288005 ARRANGED

TOPIC ECOLOG DESIGN DSN S 478L 2- 3 CR.
PREREQ: 371 OR SENIOR CLASSIF OR GRAD STANDING
MATERIALS AND FIELD TRIPS & TRAVEL FEE $15.00-$40.00
8289005 ARRANGED

SUSTAINABLE COMMUNITY DSN S 484 3 CR.
PREREQ: C R P 253 OR 270
7042005 TR 2:10-3:30  CLAPP T
SECTION INFO:
http://www.public.iastate.edu/~etclapp/

19TH CENTURY ART DSN S 487 3 CR.
FIELD TRIPS & TRAVEL FEE $0.00-$15.00
AVAILABLE FOR NONMAJOR GRADUATE CREDIT.
INSTRUCTOR PERMISSION REQUIRED 1ST WEEK, PROCESS
APPROVED ADD SLIP IN 10 ALUMNI HALL
2690005 MW 4:10-5:30
DESIGN STUDIES

ENVIRONMENTAL LAW  DSN S 491  3 CR.
PREREQ: 6 CREDITS IN NATURAL SCIENCE
4099005  TR 8:00-9:20  CLAPP T
SECTION INFO:
http://www.public.iastate.edu/~tlclapp/

ART&THRY SINCE 1945  DSN S 495  3 CR.
FIELD TRIPS & TRAVEL FEE $0.00-$15.00
MEETS U.S. DIVERSITY REQU.
AVAILABLE FOR NONMAJOR GRADUATE CREDIT.
INSTRUCTOR PERMISSION REQUIRED 1ST WEEK, PROCESS
APPROVED ADD SLIP IN 10 ALUMNI HALL
2781005  TR 9:00-9:50

TOPCL STD WORLD AR  DSN S 528D  2- 3 CR.
PREREQ: ARCH 221, 222 OR SENIOR CLASSIFICATION
OR GRADUATE STANDING
2299005  TR 9:30-10:50

TOPC STD ARCHITECTS  DSN S 528E  2- 3 CR.
PREREQ: ARCH 221, 222 OR SENIOR CLASSIFICATION
OR GRADUATE STANDING

TOP STD TECH, STRUC  DSN S 528G  2- 3 CR.
PREREQ: ARCH 221, 222 OR SENIOR CLASSIFICATION
OR GRADUATE STANDING
COURSE ONLY OFFERED FOR 3 CREDITS SPRING 2005
2299005  T 6:30-9:00PM

TOP CL STD URBAN DSGN  DSN S 528I  2- 3 CR.
PREREQ: ARCH 221, 222 OR SENIOR CLASSIFICATION
OR GRADUATE STANDING
2349005  1 TR 12:40-2:00

TOPICL STD PRACTICE  DSN S 528K  2- 3 CR.
PREREQ: ARCH 221, 222 OR SENIOR CLASSIFICATION
OR GRADUATE STANDING
COURSE RESTRICTED TO SENIORS OR GRADUATE STUDENTS
2411005  T 3:40-6:00PM

PLAN DEVE COUNTRIES  DSN S 529  3 CR.
PREREQ: GRADUATE CLASSIFICATION
4264005  TR 3:40-5:00  OWUSU F
SECTION INFO:
http://www.public.iastate.edu/~fowusu/cour

SITE ANALYS/DEV DES  DSN S 542  3 CR.
PREREQ: GRADUATE CLASSIFICATION
4301005  T 6:10-9:00PM

INTERDIS DSN STUDIO  DSN S 546  4- 6 CR.
PREREQ: ADMISSION TO A GRADUATE PROGRAM IN
THE COLLEGE OF DSGN & INSTRUCTOR PERMISSION
COURSE RESTRICTED TO DESIGN COLLEGE GRAD STUDENTS
COURSE ONLY OFFERED FOR 6 CREDITS SPRING 2005.
MATERIALS AND FIELD TRIPS & TRAVEL FEE
$40.00-$400.00
INSTRUCTOR PERMISSION REQUIRED 1ST WEEK, PROCESS
APPROVED ADD SLIP IN 10 ALUMNI HALL
2878005  ARRANGED
DESIGN STUDIES

SUSTAINABLE COMMUNITY  DSN S 584  3 CR.
PREREQ: GRADUATE CLASSIFICATION
7045005  TR 2:10-3:30  CLAPP T
SECTION INFO: http://www.public.iastate.edu/~tclapp/

RENAISSANCE ART  DSN S 585  3 CR.
PREREQ: GRADUATE CLASSIFICATION, INSTR PERMISSION
FIELD TRIPS & TRAVEL FEE $0.00-$15.00
INSTRUCTOR PERMISSION REQUIRED 1ST WEEK, PROCESS
APPROVED ADD SLIP IN 10 ALUMNI HALL
2877005  TR 11:00-12:20
SECTION INFO: http://www.public.iastate.edu/~tclapp/

19TH CENTURY ART  DSN S 587  3 CR.
PREREQ: GRADUATE CLASSIFICATION, INSTR PERMISSION
COURSE RESTRICTED TO GRADUATE STUDENTS
FIELD TRIPS & TRAVEL FEE $0.00-$15.00
INSTRUCTOR PERMISSION REQUIRED 1ST WEEK, PROCESS
APPROVED ADD SLIP IN 10 ALUMNI HALL
2910005  MW 4:10-5:30

ENVIRONMENTAL LAW  DSN S 591  3 CR.
PREREQ: GRADUATE CLASSIFICATION
4317005  TR 8:00-9:20  CLAPP T
SECTION INFO: http://www.public.iastate.edu/~tclapp/

ART & THEORY SINCE 1945  DSN S 595  3 CR.
PREREQ: GRADUATE CLASSIFICATION, INSTR PERMISSION
FIELD TRIPS & TRAVEL FEE $0.00-$15.00
MEETS U.S. DIVERSITY REQMT.
INSTRUCTOR PERMISSION REQUIRED 1ST WEEK, PROCESS
APPROVED ADD SLIP IN 10 ALUMNI HALL
3112005  TR 9:00-9:50

ECOLOGY & EVOLUTIONARY BIOLOGY

EXTENDED FIELD TRIP  EEB 585  2 CR.
PREREQ: GRADUATE CLASSIFICATION
FIELD TRIPS & TRAVEL FEE $150.00
INSTRUCTOR PERMISSION REQUIRED 1ST WEEK, PROCESS
APPROVED ADD SLIP IN 10 ALUMNI HALL
7859005  R 4:10-5:30

SPECIAL TOPICS  EEB 590  1- 3 CR.
PREREQ: GRAD CLASSIFICATION AND INSTR PERMISSION
INSTRUCTOR PERMISSION REQUIRED 1ST WEEK, PROCESS
APPROVED ADD SLIP IN 10 ALUMNI HALL
7860005  ARRANGED

RESEARCH  EEB 699 VAR. CR.
*******  SEE DEPT FOR REFERENCE NUMBERS

ECONOMICS

PRINCIPAL MICROECONOMICS  ECON 101  3 CR.
CREDIT FOR ONLY TWO PRINCIPLES OF ECONOMICS
COURSES MAY BE APPLIED TOWARD GRADUATION. ECON 101
MAY BE PAIRED WITH ECON 102 OR 201 OR 205 TO APPLY
TOWARD GRADUATION.
3100005  1 MWF 8:00-8:50  ORAZEM P
3100010  2 MWF 9:00-9:50  VOLIJ G
3100015  3 MWF 10:00-10:50  ORAZEM P
3100020  4 MWF 1:10-2:00  DEITER R
3100025  5 TR 9:30-10:50  OVIEDEO P
3100030  6 MWF 2:10-3:00  SCHROETER J
3100035  7 ARRANGED  ALEXANDER T
COURSE DELIVERY IS WWW
SECTION INFO: http://www.econ.iastate.edu/classes

PRINCIPAL MACROECONOMICS  ECON 102  3 CR.
PREREQ: 101 RECOMMENDED
CREDIT FOR ONLY TWO PRINCIPLES OF ECONOMICS
COURSES MAY BE APPLIED TOWARD GRADUATION. ECON 102
MAY BE PAIRED WITH ECON 101 OR 201 OR 206 TO APPLY
TOWARD GRADUATION.
3099005  1 MWF 9:00-9:50  DOYLE M
3099010  2 MWF 10:00-10:50  DOYLE M
3099015  3 TR 11:00-12:20  WANG C
3099020  4 MWF 11:00-11:50  VANDEWETERING H
3099025  5 TR 2:10-3:30  WANG C
3099030  6 ARRANGED  ALEXANDER T
COURSE DELIVERY IS WWW
SECTION INFO: http://www.econ.iastate.edu/classes

HONORS PRINCIPAL MACROECONOMICS  ECON 102H  3 CR.
PREREQ: 101, MEMBERSHIP IN UNIVERSITY HONORS PROG
2117005  1 MWF 10:00-10:50  FALK B

INTRO AGRI MARKETS  ECON 235  3 CR.
PREREQ: 101
3174005  1 MWF 10:00-10:50  LENCE S
3174010  2 MWF 12:00-12:50  LAWRENCE J

INTERMEDIATE MICROECONOMICS  ECON 301  3- 4 CR.
PREREQ: 101; MATH 160 OR 165
COURSE ONLY OFFERED FOR 4 CREDITS SPRING 2005
AVAILABLE FOR NONMAJOR GRADUATE CREDIT.
3101005  1 MWF 9:00-9:50  DEITER R
3101010  2 MWF 9:00-9:50  DEITER R
3101015  3 MWF 1:10-2:00  LANGINIER C
3101020  4 MWF 1:10-2:00  LANGINIER C

INTERMEDIATE MACROECONOMICS  ECON 302  3 CR.
PREREQ: 101; MATH 160 OR 165
AVAILABLE FOR NONMAJOR GRADUATE CREDIT.
3102005  1 TR 2:10-3:30  VANDWETERING H

FARM BUSINESS MANAGEMENT  ECON 330  3 CR.
PREREQ: 101, ACCT 284
3177005  1 MWF 9:00-9:50  KLIBBENSTEIN J
3177010  2 MWF 10:00-10:50  KLIBBENSTEIN J

ENTREPRENEURSHIP AG  ECON 331  3 CR.
PREREQ: 101, 330, ACCT 284
6836005  1 TR 8:00-9:20

COOPERATIVES  ECON 332  2 CR.
PREREQ: 101
AVAILABLE FOR NONMAJOR GRADUATE CREDIT.
3181005  1 TR 8:00-9:20  DEITER R

SECTION INFO: http://www.econ.iastate.edu/classes
ECONOMICS

AG FIRMS & INDUS ORGZ ECON 335 3 CR.
PREREQ: 235, 301, CREDIT OR ENROLLMENT IN STAT 326
AVAILABLE FOR NONMAJOR GRADUATE CREDIT.
3178005 1 TR 11:00-11:50 HENNESSY D
W 2:10-4:00 HENNESSY D
3178010 2 TR 11:00-11:50 HENNESSY D
T 2:10-4:00 HENNESSY D

TOPCS LIVESTK MKTG ECON 338B 1-3 CR.
PREREQ: 101, 235 RECOMMENDED
COURSE ONLY OFFERED FOR 1 CREDIT SPRING 2005
3083005 1 R 1:30-3:30 LAWRENCE J
SECT 1: JAN 10-MARCH 4

TOPCS GRAIN MARKETG ECON 338C 1-3 CR.
PREREQ: 101, 235 RECOMMENDED
COURSE ONLY OFFERED FOR 1 CREDIT SPRING 2005
3089005 1 R 1:30-3:30 WISNER R
SECT 1: MARCH 7-MAY 6

PUBLIC FINANCE ECON 344 3 CR.
PREREQ: 101
AVAILABLE FOR NONMAJOR GRADUATE CREDIT.
3111005 1 TR 12:40-2:00 HENNESSY H

MONEY, BANK, FIN INST ECON 353 3 CR.
PREREQ: 101, 102
3103005 1 TR 8:00-9:20 SINGH R
3103010 2 TR 11:00-12:20 SINGH R

INTERNATIONAL ECON ECON 355 4 CR.
PREREQ: 101, 102
CREDIT FOR EITHER ECON 355 OR ECON 455, BUT NOT BOTH, MAY BE APPLIED TOWARD GRADUATION
MEETS INTERNATIONAL PERSPECTIVES REQMT.
AVAILABLE FOR NONMAJOR GRADUATE CREDIT.
8925005 1 TR 2:10-4:00 CHOI E

COMPARTV CAPITALISM ECON 370 3 CR.
PREREQ: 101, 102
MEETS INTERNATIONAL PERSPECTIVES REQMT.
3104005 1 MWF 11:00-11:50 HUFFMAN S

RURAL, URB&REGN ECON ECON 376 3 CR.
PREREQ: 101
AVAILABLE FOR NONMAJOR GRADUATE CREDIT.
3119005 1 MWF 1:10-2:00 FRANKEL D

MANAGERIAL ECONOMICS ECON 431 3 CR.
PREREQ: 301
CREDIT FOR EITHER ECON 431 OR ECON 432, BUT NOT BOTH, MAY BE APPLIED TOWARD GRADUATION
AVAILABLE FOR NONMAJOR GRADUATE CREDIT.
3173005 1 MWF 11:00-11:50 LANGINIER C

COMMOD MKTG&RISK MG ECON 437 3 CR.
PREREQ: 235, 301, STAT 226
AVAILABLE FOR NONMAJOR GRADUATE CREDIT.
7572005 1 TR 9:30-10:50 HENNESSY D

AG, FOOD, TRADE POLICY ECON 460 3 CR.
PREREQ: 301 OR 501
CREDIT FOR EITHER ECON 360X OR ECON 460, BUT NOT BOTH, MAY BE APPLIED TOWARD GRADUATION
AVAILABLE FOR NONMAJOR GRADUATE CREDIT.
3185005 1 MWF 11:00-11:50 GALLAGHER P

AGRICULTURAL FINANCE ECON 466 3 CR.
PREREQ: 301, STAT 226; FIN 301 AND ECON 353 RECOMMENDED
AVAILABLE FOR NONMAJOR GRADUATE CREDIT.
3183005 1 TR 11:00-12:20 JOLLY R

INTRO ECONOMETRICS ECON 472 4 CR.
PREREQ: 301, 302 OR 353, STAT 326
AVAILABLE FOR NONMAJOR GRADUATE CREDIT.
2790005 1 MTWF 9:00-9:50 GALLAGHER P

INDEPENDENT STUDY ECON 490 1-5 CR.
SATISFACTORY-FAIL ONLY.
PREREQ: JR/SR CLASSIFICATION, 14 CREDITS IN ECON
COLLEGE OF AG STUDENTS MAY APPLY NO MORE THAN 6 CREDITS OF ECON 490 TOWARD THE TOTAL OF 128 CREDITS REQUIRED FOR GRADUATION. LAS COLLEGE STUDENTS MAY APPLY NO MORE THAN 9 CR OF ECON 490 TOWARD GRADUATION
******** SEE DEPT FOR REFERENCE NUMBERS

INDEPENDENT STUDY HONORS ECON 490H 1-5 CR.
SATISFACTORY-FAIL ONLY.
PREREQ: JR/SR CLASSIFICATION, 14 CREDITS IN ECON
AG COLLEGE MAJORS MAY USE NO MORE THAN 6 CR OF ECON 490 TOWARD GRADUATION. LAS COLLEGE MAJORS MAY COUNT NO MORE THAN 9 CREDITS OF ECON 490 TOWARD GRADUATION
******** SEE DEPT FOR REFERENCE NUMBERS

GRADUATING SR SURVEY ECON 492 R CR.
SATISFACTORY-FAIL ONLY.
PREREQ: GRADUATING SENIOR
6208005 1 W 3:30-5:00 DEITER R

ECON TRAVEL COURSE ECON 496 1-3 CR.
PREREQ: SOPHOMORE STATUS, PERMISSION OF INSTRUCTOR
MEETS INTERNATIONAL PERSPECTIVES REQMT.
5225010 SP ARRANGED

BUSINESS ECONOMICS ECON 532 3 CR.
PREREQ: 101 AND ENROLLMENT IN MBA OR BAS PROGRAM;
NOT FOR ECON MAJORS
3128005 1 TR 8:00-9:20 WOHLGEMUTH D

ECON & BUS DECISION TOOL ECON 533 3 CR.
PREREQ: 501 OR 532
7819005 1 M 6:00-9:00 PM HERRIGES J
COURSE RESTRICTED TO BUSAD GRADUATE MAJORS

AG, FOOD, TRADE POLICY ECON 560 3 CR.
PREREQ: 301 OR 501
3197005 1 MWF 11:00-11:50 GALLAGHER P
ECONOMICS

INTERMED ECONOMETRIC ECON 571 3 CR.
PREREQ: 500
90T70051 MWF 1:10-2:00 HUFFMAN W

SPATIAL ECONOMICS ECON 576 3 CR.
PREREQ: 501
4900005 1 MWF 12:10-1:00 KILKENNY M

ADV ENVIROMNTL ECON ECON 581 3 CR.
PREREQ: 501 OR 601
3205005 1 MWF 10:00-10:50 KLING C

SPECIAL TOPICS ECON 590 1-5 CR.
SATISFACTORY-FAIL ONLY.
******* SEE DEPT FOR REFERENCE NUMBERS

CREATIVE COMPONENT ECON 599 1-5 CR.
SATISFACTORY-FAIL ONLY.
******* SEE DEPT FOR REFERENCE NUMBERS

MACROECON ANALYSIS ECON 602 4 CR.
PREREQ: 301, 302, PREVIOUS OR CONCURRENT ENROLLMENT IN 600 & PERMISSION OF DIRECTOR OF GRADUATE STUDIES
DEPARTMENT PERMISSION REQUIRED, PROCESS
APPROVED ADD SLIP IN 10 ALUMNI HALL
3126005 1 MW 2:10-4:00 DOYLE M
F 11:00-11:50

MICROECON ANALYSIS II ECON 603 4 CR.
PREREQ: 601, 602 AND PERMISSION OF DIRECTOR OF GRADUATE STUDIES
DEPARTMENT PERMISSION REQUIRED, PROCESS
APPROVED ADD SLIP IN 10 ALUMNI HALL
3125005 1 MW 10:00-11:50 LAPAN H
F 12:10-1:00

ADV TOPIC MACROECON ECON 606 3 CR.
PREREQ: 603, 604
3160005 1 TR 5:30-6:15PM WANG C

INDUSTRL ORGANIZ I ECON 615 3 CR.
PREREQ: 603
2917005 1 MWF 3:10-4:00

INDUS ORGANIZATN II ECON 616 3 CR.
PREREQ: 615, 671
8648005 1 MW 8:00-9:20 SCHROETER J

AGRICULTURAL ECON I ECON 641 3 CR.
PREREQ: 603
3203005 1 TR 11:00-12:20 WENINGER Q

ADV TOP FINANC ECON ECON 654 3 CR.
PREREQ: 653
8757005 1 TR 9:30-10:50 MARCOUL P

INTERNATNAL FINANCE ECON 657 3 CR.
PREREQ: 604
3141005 1 TR 2:10-3:30 SINGH R

ECONOMICS

MICROECONOMETRICS ECON 673 3 CR.
PREREQ: 672, 601
7403005 1 MWF 2:10-3:00

ADVANCED TOPICS ECON 690 1-5 CR.
SATISFACTORY-FAIL ONLY.
3162005 ARRANGED
3162023 BK ARRANGED

WORKSHOP ECON 693 1-3 CR.
SATISFACTORY-FAIL ONLY.
PREREQ: 6 GRADUATE CREDITS IN CHOSEN FIELD
8649005 1 MTWRF 3:30-5:00
8649010 2 MTWRF 3:30-5:00
8649015 3 MTWRF 3:30-5:00
8649020 4 MTWRF 3:30-5:00

RESEARCH ECON 699 VAR. CR.
SATISFACTORY-FAIL ONLY.
******* SEE DEPT FOR REFERENCE NUMBERS

EDUCATIONAL ADMINISTRATION

PRINCIPLES ED ADMIN EADM 541 3 CR.
PREREQ: TEACHER LICENSURE & INSTRUCTOR PERMISSION
COURSE MEETS WED March 9, 23, 30, April 6, 20, 27,
May 4 and SAT April 2 and 30.
3210005 W 5:30-9:20PM ALSBURY T
S 8:30-5:00 MARCH 9-MAY 4

SUPV OF INSTRUCTION EADM 551 3 CR.
PREREQ: 541
COURSE MEETS WED MARCH 2, 9, 30, APRIL 6, 13, 20,
27 AND SAT APRIL 2 AND 16.
3215005 W 5:45-9:15PM WALKER J
S 8:00-4:00 MARCH 2-APRIL 27

SPECIAL TOPICS EADM 590 1-4 CR.
PREREQ: 9 CREDITS IN EDUCATION
******* SEE DEPT FOR REFERENCE NUMBERS

PLD EXP ELEM PRINCI EADM 591A 1-8 CR.
PREREQ: 541, ADMISS TO PROGRAM & INSTR'S APPROVAL
9422005 1 ARRANGED

PLD EXP SECOND PRIN EADM 591B 1-8 CR.
PREREQ: 541, ADMISS TO PROGRAM & INSTR'S APPROVAL
9423005 1 ARRANGED

THESIS/CREATV COMPN EADM 599 1-3 CR.
PREREQ: 9 CREDITS IN EDUCATIONAL ADMINISTRATION
******* SEE DEPT FOR REFERENCE NUMBERS
EDUCATIONAL ADMINISTRATION

ADV SPECIAL TOPICS  EDADM 690  1-3 CR.
PREREQ: 9 CREDITS IN EDUCATIONAL ADMINISTRATION
*******  SEE DEPT FOR REFERENCE NUMBERS

DISSERTATN RESEARCH  EDADM 699  VAR. CR.
PREREQ: 9 CREDITS IN EDUCATION
*******  SEE DEPT FOR REFERENCE NUMBERS

EDUCATIONAL LEADERSHIP & POLICY

CAPSTONE EXPERIENCE  EL PS 616  3 CR.
PREREQ: 6 CREDITS OF 615
*******  SEE DEPT FOR REFERENCE NUMBERS

EDUCATIONAL LEADERSHIP & POLICY

ST

COOPERATIVE EDUC      E E   298  R CR.
PREREQ: PERMISSION OF DEPARTMENT
PERMISSION OF ADVISER & CAREER SERVICES REQUIRED,
COLLEGE WILL REGISTER STUDENT
2888005  ARRANGED

ELECTRICAL ENGINEERING

ELETRN DEVIC&CIRCTS  E E   203  4 CR.
PREREQ: 201, MATH 267, PHYS 222 AND CREDIT OR
ENROLLMENT IN CPR E 210
4639005  1  MF 8:00-8:50
W 12:10-3:00
4639010  2  MF 8:00-8:50
R 12:10-3:00
4639015  3  MF 8:00-8:50
R 3:10-6:00PM
4639020  4  MF 8:00-8:50
T 6:10-9:00PM
4639025  5  MF 8:00-8:50
T 12:10-3:00
4639030  6  MF 8:00-8:50
W 6:10-9:00PM
4639035  7  MF 8:00-8:50
W 9:00-11:50
4639040  8  MF 8:00-8:50
R 6:10-9:00PM
4639045  9  MF 8:00-8:50
T 3:10-6:00PM
4639050 10  MF 8:00-8:50
W 3:10-6:00PM

SIGNALS & SYSTEMS I  E E   224  4 CR.
PREREQ: 201, MATH 267, PHYS 222
5064005  A TR 4:10-5:30
W 12:10-3:00
5064010  B TR 4:10-5:30
W 3:10-6:00PM
5064015  C TR 4:10-5:30
W 6:00-9:00PM
5064020  D TR 4:10-5:30
F 9:00-11:50
5064025  E TR 4:10-5:30
F 12:10-3:00

COOPERATIVE EDUC      E E   298  R CR.
PREREQ: PERMISSION OF DEPARTMENT
PERMISSION OF ADVISER & CAREER SERVICES REQUIRED,
COLLEGE WILL REGISTER STUDENT
2888005  ARRANGED

ENERGY SYS&PWR ELTRN  E E   303  3 CR.
PREREQ: MATH 267, PHYS 222; CREDIT OR REGISTRATN
IN E E 224 AND 203
AVAILABLE FOR NONMAJOR GRADUATE CREDIT.
3415005  TR 8:00-9:20

PROBAB MTH,ELEC ENG      E E   322  3 CR.
PREREQ: 224
3424005  MF 12:10-1:00

ELECTROMG FLD&WAVES  E E   311  4 CR.
PREREQ: 201, MATH 267, PHYS 222, CREDIT OR
ENROLLMENT IN MATH 265
AVAILABLE FOR NONMAJOR GRADUATE CREDIT.
2889005  MF 10:00-10:50

PROBAB MTH,ELEC ENG      E E   322  3 CR.
PREREQ: 224
3424005  MF 12:10-1:00

SIGNALS &SYSTEMS II  E E   324  3 CR.
PREREQ: 224
AVAILABLE FOR NONMAJOR GRADUATE CREDIT.
2192005  MF 2:10-3:00
ELECTRICAL ENGINEERING

SEMICOND MTRLS&DEVIC E E 332 3 CR.
PREREQ: MAT E 231 OR E E 203 AND CREDIT OR ENR IN E E 211 OR PHYS 222
AVAILABLE FOR NONMAJOR GRADUATE CREDIT.
2195005 TR 12:40-2:00

ENGR INTERNSHIP E E 397 R CR.
PREREQ: PERMISSION OF DEPARTMENT
PERMISSION OF ADVISER & CAREER SERVICES REQUIRED, COLLEGE WILL REGISTER STUDENT
8698005 ARRANGED

COOPERATIVE EDUC E E 398 R CR.
PREREQ: 298, PERMISSION OF DEPARTMENT
PERMISSION OF ADVISER & CAREER SERVICES REQUIRED, COLLEGE WILL REGISTER STUDENT
2895005 ARRANGED

INTDISCIP PROB SOLV E E 408 3 CR.
PREREQ: JUNIOR OR SENIOR STANDING
AVAILABLE FOR NONMAJOR GRADUATE CREDIT.
5846005 A MW 9:00-11:50
5846010 B MW 2:10-5:00

ELECTRODYNAMICS E E 413X 3 CR.
PREREQ: 311
AVAILABLE FOR NONMAJOR GRADUATE CREDIT.
5592005 MWF 9:00-9:50

ELMAG RAD,ANTN,PRPG E E 417 4 CR.
PREREQ: 311
AVAILABLE FOR NONMAJOR GRADUATE CREDIT.
2900005 1 TR 12:40-2:00
2900010 2 TR 12:40-2:00

COMMUNICT SYSTMS II E E 422 3 CR.
PREREQ: 421 AND ENROLLMENT IN 423
AVAILABLE FOR NONMAJOR GRADUATE CREDIT.
2902005 TR 4:10-5:30

COMMUNIC SYSTMS LAB E E 423 1 CR.
PREREQ: 421, ENROLLMENT IN 422
AVAILABLE FOR NONMAJOR GRADUATE CREDIT.
2903005 1 R 11:00-2:00
2903010 2 W 6:10-9:00PM
2903015 3 W 3:10-6:00PM

MICROELEC FABRICATN E E 432 4 CR.
PREREQ: 332
MATERIALS AND EQUIPMENT USE FEE $250.00
AVAILABLE FOR NONMAJOR GRADUATE CREDIT.
9222005 MW 3:10-4:00, ARRANGED

ANLOG VLSI CIRC DSN E E 435 4 CR.
PREREQ: 434
AVAILABLE FOR NONMAJOR GRADUATE CREDIT.
2906005 1 MWF 10:00-10:50
2906010 2 MWF 10:00-10:50
2906015 3 MWF 10:00-10:50

ELECTRONIC ENGINEERING

OPTOELECTN DEVCS&APP E E 438 3 CR.
PREREQ: 311, 332
AVAILABLE FOR NONMAJOR GRADUATE CREDIT.
7182005 MWF 11:00-11:50

INTR CIRCUIT&ELETRN E E 441 4 CR.
PREREQ: PHYS 222, MATH 266 OR 267
COURSE RESTRICTED TO ENGR MAJORS OTHER THAN E E, CPR E, E CPE. CREDIT FOR ONLY ONE OF THE FOLLOWING COURSES MAY BE APPLIED TOWARD GRADUATION: E E 201, 441, 442. E E 441 DOES NOT APPLY TOWARD A DEGREE IN E E OR CPR E.
AVAILABLE FOR NONMAJOR GRADUATE CREDIT.
2908005 1 TR 12:40-2:00
2908010 2 TR 12:40-2:00
2908015 3 TR 12:40-2:00
2908020 4 TR 12:40-2:00
2908025 5 TR 12:40-2:00
2908030 6 TR 12:40-2:00

INTR CIRCUIT&INSTRM E E 442 2 CR.
PREREQ: PHYS 222, MATH 267
COURSE RESTRICTED TO ENGR & PHYS MAJORS OTHER THAN E E AND CPR E. CREDIT FOR ONLY ONE OF THE FOLLOWING COURSES MAY BE APPLIED TOWARD GRADUATION: E E 201, E E 441, E E 442. E E 442 DOES NOT APPLY TOWARD A DEGREE IN E E OR CPR E.
AVAILABLE FOR NONMAJOR GRADUATE CREDIT.
4723005 1 MW 3:40-5:00
4723010 2 MW 3:40-5:00
4723015 3 MW 3:40-5:00
4723020 4 MW 3:40-5:00
4723025 5 MW 3:40-5:00
4723030 6 MW 3:40-5:00
4723035 7 MW 3:40-5:00

INTRO AC CIRC&MOTOR E E 448 2 CR.
PREREQ: 303 OR 441 OR 442
E E 448 DOES NOT APPLY TOWARD A DEGREE IN E E OR CPR E.
AVAILABLE FOR NONMAJOR GRADUATE CREDIT.
4775005 1 MW 3:40-5:00
4775010 2 MW 3:40-5:00

## ELECTRICAL ENGINEERING

### INTRO AC CIRC&MOTOR

**EE 448**  
2 CR.  
- Section: March 7-May 6  
- Time: 3:40-5:00

<table>
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<td>4775040</td>
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### ELECTRI MACHIN&DRIV

**EE 452**  
3 CR.  
- Prereq: 303, Credit or Registration in 324  
- Available for Nonmajor Graduate Credit.

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<th>Instructor</th>
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### INTRO ENRG DIST SYS

**EE 455**  
3 CR.  
- Prereq: 303, Credit or Registration in 324  
- Available for Nonmajor Graduate Credit.

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<th>Course Code</th>
<th>Days</th>
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<td>6595005</td>
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### POWER SYST ANALY II

**EE 457**  
3 CR.  
- Prereq: 303, Credit or Registration in 324  
- Available for Nonmajor Graduate Credit.

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<th>Course Code</th>
<th>Days</th>
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<th>Instructor</th>
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<tr>
<td>2913005</td>
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### DIGT INTEG CIRC DSN

**EE 465**  
4 CR.  
- Prereq: 334  
- Available for Nonmajor Graduate Credit.

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<th>Course Code</th>
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<td>8892025</td>
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### MULTIDISC ENGR DSGN

**EE 466**  
3 CR.  
- Prereq: Course to be taken within 2 semesters of graduation, permission of instructor  
- Department permission required, process approved add slip in 10 alumni hall.

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<th>Course Code</th>
<th>Days</th>
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## ELECTRICAL ENGINEERING

### CONTROL SYS SIMULAT

**EE 476**  
3 CR.  
- Prereq: 475  
- Available for Nonmajor Graduate Credit.

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<th>Course Code</th>
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<tr>
<td>2915005</td>
<td>MWF</td>
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### INDEPENDENT STUDY

**EE 490**  
Var. CR.  
- Prereq: Senior Classification in Electrical Engr  
- Instructor permission required 1st week, process approved add slip in 10 alumni hall.

### INDEP STUDY HONORS

**EE 490H**  
Var. CR.  
- Prereq: Senior Classification in Electrical Engr  
- Membership in Univ Honors Program  
- Instructor permission required 1st week, process approved add slip in 10 alumni hall.

### SR DESIGN PROJ I&PRO

**EE 491**  
2-3 CR.  
- Prereq: 322 or CPR E 308, completion of 24 CR in the EE core professional program or 29 credits in the CPR E core professional program, Engl 314  
- Course restricted to CPR E and EE majors junior and above.

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<th>Course Code</th>
<th>Days</th>
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<th>Instructor</th>
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### SR DESIGN PROJECT II

**EE 492**  
2 CR.  
- Prereq: 491  
- Course restricted to CPR E and EE majors junior and above.

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<th>Time</th>
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### PORTFOLIO ASSESSMNT

**EE 494**  
R CR.  
- Prereq: Credit or Enrollment in 491  
- Course restricted to CPR E and EE majors junior and above.

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<tr>
<th>Course Code</th>
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<th>Time</th>
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<td>7347005</td>
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### COOPERATIVE EDUC

**EE 498**  
R CR.  
- Prereq: 398, permission of Department  
- Permission of Adviser & Career Services Required, College will register student.

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<th>Course Code</th>
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### MODERN OPTICAL COMM

**EE 511**  
3 CR.  
- Prereq: 311

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### CMP MTD ELECTROMAGN

**EE 516X**  
3 CR.  
- Prereq: 311

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### ELMAGNETC RAD,ANTEN

**EE 517**  
4 CR.  
- Prereq: 311

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ELECTRICAL ENGINEERING

TOPICS IN COMMUNICS  E E  520  3 CR.
7695005  ARRANGED

DETECT&ESTIM THEORY  E E  527  3 CR.
PREREQ: 422
2940005  MWF 11:00-11:50

DIGITAL IMAGE PROC  E E  528  3 CR.
PREREQ: 524
7232005  MWF 10:00-10:50

TOPICS EL,MICR,PHOT  E E  530  3 CR.
PREREQ: 332
9526005  ARRANGED

MICROEL FABRIC TCHQ  E E  532  4 CR.
PREREQ: 332 OR 531
MATERIALS AND EQUIPMENT USE FEE $250.00
8880005  MW 3:10-4:00, ARRANGED

PHYS SEMICOND DEVIC  E E  536  3 CR.
PREREQ: 535
2942005  MW 4:10-5:30

OPTO Ele Devices&App  E E  538  3 CR.
PREREQ: 311 OR 332
3517005  MW 11:00-11:50

ELECTR PROP MATRLS  E E  539  3 CR.
PREREQ: 332 OR MAT E 331 OR PHYS 322
2210005  MW 1:10-2:00

ARTIF NEURAL NETWKS  E E  545  3 CR.
PREREQ: 324
8337005  MW 12:10-1:00

POWER SYST DYNAMICS  E E  554  3 CR.
PREREQ: 456, 457, 475
2947005  MW 8:00-8:50

RANDOM SIGNAL&KALMN  E E  573  3 CR.
PREREQ: 324 OR AER E 331 OR M E 370 OR 411
OR MATH 341 OR 395
8185005  MW 10:00-10:50

OPTIMAL CONTROL  E E  574  3 CR.
PREREQ: 577
2952005  MWF 1:10-2:00

MOD CONTRO SYSTM II  E E  578  3 CR.
PREREQ: 577
2955005  TR 9:30-10:50

SPL TOP ELECMAG THY  E E  590A  1- 6 CR.
*******  SEE DEPT FOR REFERENCE NUMBERS

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

SPL TOP COMMUN SYS  E E  590C  1- 6 CR.
*******  SEE DEPT FOR REFERENCE NUMBERS

ELECTRICAL ENGINEERING

SPL TOP CIRC THEORY  E E  590D  1- 6 CR.
*******  SEE DEPT FOR REFERENCE NUMBERS

SPL TOP COMPTR ENGR  E E  590E  1- 6 CR.
*******  SEE DEPT FOR REFERENCE NUMBERS

SPL TOP ELECTRC PWR  E E  590F  1- 6 CR.
*******  SEE DEPT FOR REFERENCE NUMBERS

SPL TOP ELEC MATRLS  E E  590G  1- 6 CR.
*******  SEE DEPT FOR REFERENCE NUMBERS

SP TOP EL DEVIC&CR  E E  590H  1- 6 CR.
*******  SEE DEPT FOR REFERENCE NUMBERS

SEMN ELECTRIC POWER  E E  594  1- 3 CR.
COURSE ONLY OFFERED FOR 1 CREDIT SPRING 2005
2964005  T 1:10-2:00

SEMN CONTROL SYSTMS  E E  596  1- 3 CR.
COURSE ONLY OFFERED FOR 1 CREDIT SPRING 2005
2973005  M 4:10-5:00

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

ADV TOP ELE PWR SYS  E E  653  3 CR.
PREREQ: PERMISSION OF INSTRUCTOR
2981005  MW 9:00-9:50

ENGINEERING INTERNSHP  E E  697  R CR.
SATISFACTORY-FAIL ONLY.
PREREQ: PERMISSION OF DEPT CHAIR, GRAD CLASSIFCTN
5716005  ARRANGED
INSTRUCTOR PERMISSION REQUIRED, PROCESS
APPROVED ADD SLIP IN 10 ALUMNI HALL

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

ENGINEERING ORIENTN  ENGR  101  R CR.
SATISFACTORY-FAIL ONLY.
3788005  A TR 11:00-11:50
SECTION A RESTRICTED TO A E, AER E, C E, CH E,
CON E, ENGR, I E, M E, M S E, AND MAT
E MAJORS ONLY.
3788010  B TR 11:00-11:50
SECTION B RESTRICTED TO E E, CPR E MAJORS ONLY

LEAD PROGRM SEMINAR  ENGR  105  1 CR.
SATISFACTORY-FAIL ONLY.
COURSE FOR LEAD LIVING/LEARNING COMM.
6866005  T 3:10-4:00

ENGR PROB W/CPR LAB  ENGR  160  3 CR.
NIGHT EXAMINATIONS SCHEDULED.
PREREQ: SATISFACTORY SCORES ON MATH PLACEMENT
EXAMS; CREDIT OR ENROLLMENT IN MATH 142, 165
COURSE RESTRICTED TO STUDENTS IN ENGINEERING
2946005  A1 MW 10:00-11:50
2946010  A2 MW 10:00-11:50
2946015  B1 MW 12:10-2:00
2946020  C1 MW 2:10-4:00
2946025  C2 MW 2:10-4:00
2946030  D1 TR 8:00-9:50
ENGR PROB W/CPR LAB ENGR 160 3 CR.
2946035 E1 TR 10:00-11:50
2946040 F1 TR 12:10-2:00
2946045 G1 TR 2:10-4:00
2946050 G2 TR 2:10-4:00

ENGR GRAPHICS & DESIGN ENGR 170 3 CR.
PREREQ: SATISFACTORY SCORES ON MATH PLACEMENT EXAMS; CREDIT OR ENROLLMENT IN MATH 142
COURSE RESTRICTED TO STUDENTS IN ENGINEERING
3798005 A MW 8:00-9:50
3798010 B MW 10:00-11:50
3798015 C MW 12:10-2:00
3798020 D MW 2:10-4:00
3798025 E TR 8:00-9:50
3798030 F TR 10:00-11:50
3798035 G TR 12:10-2:00
3798040 H TR 2:10-4:00

ACAD EXCEL CHEM 165 ENGR 193B 1 CR.
SATISFACTORY-FAIL ONLY.
PREREQ: ENGR CLASSIF, CONCURRENT ENR IN CHEM 165
3212005 MW 4:10-5:30

ACAD EXCEL CHEM 167 ENGR 193C 1 CR.
SATISFACTORY-FAIL ONLY.
PREREQ: ENGR CLASSIF, CONCURRENT ENR IN CHEM 167
3241005 MW 4:10-5:30

ACAD EXCEL MATH 165 ENGR 193D 1 CR.
SATISFACTORY-FAIL ONLY.
PREREQ: ENGR CLASSIF, CONCURRENT ENR IN MATH 165
3243005 TR 4:10-5:30

ACAD EXCEL MATH 166 ENGR 193E 1 CR.
SATISFACTORY-FAIL ONLY.
PREREQ: ENGR CLASSIF, CONCURRENT ENR IN MATH 166
3244005 TR 4:10-5:30

ACAD EXCEL PHYS 221 ENGR 193F 1 CR.
SATISFACTORY-FAIL ONLY.
PREREQ: ENGR CLASSIF, CONCURRENT ENR IN PHYS 221
3245005 MW 4:10-5:30

ACAD EXCEL PHYS 222 ENGR 193G 1 CR.
SATISFACTORY-FAIL ONLY.
PREREQ: ENGR CLASSIF, CONCURRENT ENR IN PHYS 222
3246005 MW 4:10-5:30

LDRSHIP IN ENGINEERING ENGR 293X 1 CR.
8508005 R 3:10-5:00
GOODWIN M
ARRANGED

ENGINEERING CONNECTNS ENGR 312 3 CR.
COURSE RESTRICTED TO EL ED MAJORS ONLY
2971005 MW 3:10-4:00
F 2:10-4:00

STATICS OF ENGINEER E M 274 3 CR.
NIGHT EXAMINATIONS SCHEDULED.
PREREQ: CREDIT OR ENROLLMENT IN MATH 166;
CREDIT OR ENROLLMENT IN PHYS 111 OR 221;
COURSE RESTRICTED TO COLLEGE OF ENGR SOPHS &
ABOVE. HONORS STUDENTS MUST REGISTER FOR E M 274H.
3004005 1 MWF 12:10-1:00
R 12:10-1:00
3004010 2 MWF 12:10-1:00
T 10:00-10:50
3004015 3 MWF 12:10-1:00
T 1:10-2:00
3004020 4 MWF 12:10-1:00
R 1:10-2:00
3004025 5 MWF 12:10-1:00
T 9:00-9:50
3004030 6 MWF 3:10-4:00
R 9:00-9:50
3004040 7 MWF 3:10-4:00
T 12:10-1:00
3004045 8 MWF 3:10-4:00
R 10:00-10:50
3004050 9 MWF 3:10-4:00
T 3:10-4:00
3004055 10 MWF 12:10-1:00
R 3:10-4:00
3004060 11 MWF 3:10-4:00
T 2:10-3:00

HONORS ENGR STATICS E M 274H 3 CR.
PREREQ: CREDIT OR ENROLLMT IN MATH 166; CR OR ENR
IN PHYS 111 OR 221; MEMBERSHIP IN UNIV HONORS
PROGRAM
COURSE RESTRICTED TO HONORS STUDENTS IN ENGR
6086005 MWF 10:00-10:50

MECHAN OF MATERIALS E M 324 3 CR.
NIGHT EXAMINATIONS SCHEDULED.
PREREQ: 274
COURSE RESTRICTED TO ENGR MAJORS ONLY
AVAILABLE FOR NONMAJOR GRADUATE CREDIT.
3007005 1 MWF 8:00-8:50
T 8:00-8:50
3007010 2 MWF 8:00-8:50
R 8:00-8:50
3007015 3 MWF 1:10-2:00
T 9:00-9:50
3007020 4 MWF 8:00-8:50
R 9:00-9:50
3007040 5 MWF 1:10-2:00
R 2:10-3:00
3007045 6 MWF 8:00-8:50
T 12:10-1:00
3007050 7 MWF 1:10-2:00
R 12:10-1:00
3007055 8 MWF 1:10-2:00
T 1:10-2:00
3007060 9 MWF 8:00-8:50
R 1:10-2:00
3007065 10 MWF 8:00-8:50
T 11:00-11:50
3007070 11 MWF 1:10-2:00
R 11:00-11:50
# Engineering Mechanics

**HONORS MECH OF MTRL**  E M  324H  3 CR.  
PREREQ: MEMBERSHIP IN UNIV HONORS PROGRAM  
COURSE RESTRICTED TO HONORS STUDENTS IN ENGR  
AVAILABLE FOR NONMAJOR GRADUATE CREDIT.  
7425005  MWF 2:10-3:00  

**MECH OF MATERLS LAB**  E M  327  1 CR.  
PREREQ: CREDIT OR ENROLLMENT IN 324  
COURSE RESTRICTED TO STUDENTS IN ENGR COLLEGE  
AVAILABLE FOR NONMAJOR GRADUATE CREDIT.  
3008005  M  8:00-9:50  
3008010  T  10:00-11:50  
3008015  R  8:00-9:50  
3008020  4  R  10:00-11:50  
3008025  5  W  8:00-9:50  
3008030  6  W  10:00-11:50  
3008035  7  T  1:10-3:00  
3008040  8  R  1:10-3:00  
3008045  9  T  3:10-5:00  
3008050  10  W  1:10-3:00  
3008055  11  W  3:10-5:00  
3008060  12  W  3:10-5:00  

**DYNAMICS**  E M  345  3 CR.  
NIGHT EXAMINATIONS SCHEDULED.  
PREREQ: 274, CR OR ENROLLMENT IN MATH 266 OR 267  
LECTURE ONLY MEETS TWICE DURING WEEKS WHEN LAB IS HELD. COURSE RESTRICTED TO ENGR MAJORS ONLY  
AVAILABLE FOR NONMAJOR GRADUATE CREDIT.  
3010005  MWF 8:00-8:50  
3010010  MWF 10:00-10:50  
3010015  MWF 10:00-10:50  
3010020  MWF 10:00-10:50  
3010025  MWF 9:00-9:50  
3010030  MWF 9:00-9:50  
3010035  MWF 9:00-9:50  
3010040  MWF 9:00-9:50  
3010045  MWF 9:00-9:50  
3010050  MWF 10:00-10:50  

**INTMED MECH MATERLS**  E M  424  3 CR.  
PREREQ: 324  
AVAILABLE FOR NONMAJOR GRADUATE CREDIT.  
3018005  MWF 11:00-11:50  

**ENGINEERING ACOUSTICS**  E M  451  3 CR.  
PREREQ: PHYS 221 AND MATH 266 OR 267  
LECTURE ONLY MEETS TWICE DURING WEEKS WHEN LAB IS HELD. 
AVAILABLE FOR NONMAJOR GRADUATE CREDIT.  
3021005  1  MF  3:10-4:00  
3021010  2  MF  3:10-4:00  

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

**MECH DEFORMBL SOLID**  E M  516  3 CR.  
3029005  MWF 11:00-11:50  

**FINITE ELEMENT ANLY**  E M  525  3 CR.  
PREREQ: 425, MATH 385  
3034005  MWF 3:10-4:00  

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### Introductions

**INTRO NONDESTR EVAL**  E M  350  3 CR.  
PREREQ: 324, MATH 266, PHYS 222  
AVAILABLE FOR NONMAJOR GRADUATE CREDIT.  
1355005  1 ARRANGED  

**NONDESTRUCT TESTING**  E M  362  3 CR.  
PREREQ: PHYS 112 OR 222  
AVAILABLE FOR NONMAJOR GRADUATE CREDIT.  
3011005  MWF 11:00-11:50  

**NONDESTRUC TEST LAB**  E M  362L  1 CR.  
PREREQ: CREDIT OR ENROLLMENT IN 362  
AVAILABLE FOR NONMAJOR GRADUATE CREDIT.  
3012005  AM  3:10-6:00PM
ENGINEERING MECHANICS

BOUNDRY ELEMNT METH E M 526 3 CR.
PREREQ: 514 OR 516
3015005  MWF 12:10-1:00

MECHANCL VIBRATIONS E M 544 3 CR.
PREREQ: 324, 345
3017005  MWF 9:00-9:50

FUND NONDESTRU EVAL E M 550 4 CR.
PREREQ: 324, MATH 385
8108005  MWF 10:00-10:50

SIGNAL PROCESS MICH E M 551 3 CR.
PREREQ: 444 OR 451, MATH 385
3042005  MWF 2:10-3:00

WIND ENGINEERING E M 570 3 CR.
PREREQ: 378, 345
7626005  ARRANGED

SPL TOP RANDM VIBRA E M 590G 1- 4 CR.
PREREQ: PERMISSION OF INSTRUCTOR
INSTRUCTOR PERMISSION REQUIRED, PROCESS
APPROVED ADD SLIP IN 10 ALUMNI HALL
*******  SEE DEPT FOR REFERENCE NUMBERS

SPL TOPC THIN FILMS E M 590H 1- 4 CR.
PREREQ: PERMISSION OF INSTRUCTOR
INSTRUCTOR PERMISSION REQUIRED, PROCESS
APPROVED ADD SLIP IN 10 ALUMNI HALL
*******  SEE DEPT FOR REFERENCE NUMBERS

SPL TOP CELULR MEDA E M 590I 1- 4 CR.
PREREQ: PERMISSION OF INSTRUCTOR
INSTRUCTOR PERMISSION REQUIRED, PROCESS
APPROVED ADD SLIP IN 10 ALUMNI HALL
*******  SEE DEPT FOR REFERENCE NUMBERS

SPECIAL TOPICS E M 590J 1- 4 CR.
PREREQ: PERMISSION OF INSTRUCTOR
INSTRUCTOR PERMISSION REQUIRED, PROCESS
APPROVED ADD SLIP IN 10 ALUMNI HALL
*******  SEE DEPT FOR REFERENCE NUMBERS

GRD STDT SEMNAR SER E M 591X  R CR.
SATISFACTORY-FAIL ONLY.
PREREQ: GRADUATE CLASSIFICATION
7235005  ARRANGED

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

SPL TOP ADV EXPERIM E M 690N 1- 6 CR.
PREREQ: PERMISSION OF INSTRUCTOR
INSTRUCTOR PERMISSION REQUIRED, PROCESS
APPROVED ADD SLIP IN 10 ALUMNI HALL
*******  SEE DEPT FOR REFERENCE NUMBERS

SP TOP ADV WAV PROP E M 690O 1- 6 CR.
PREREQ: PERMISSION OF INSTRUCTOR
INSTRUCTOR PERMISSION REQUIRED, PROCESS
APPROVED ADD SLIP IN 10 ALUMNI HALL
*******  SEE DEPT FOR REFERENCE NUMBERS

ENGINEERING MECHANICS

SPL TOP ADV MATERLS E M 690P 1- 6 CR.
PREREQ: PERMISSION OF INSTRUCTOR
INSTRUCTOR PERMISSION REQUIRED, PROCESS
APPROVED ADD SLIP IN 10 ALUMNI HALL
*******  SEE DEPT FOR REFERENCE NUMBERS

SP TOP ADV COMP MTH E M 690Q 1- 6 CR.
PREREQ: PERMISSION OF INSTRUCTOR
INSTRUCTOR PERMISSION REQUIRED, PROCESS
APPROVED ADD SLIP IN 10 ALUMNI HALL
*******  SEE DEPT FOR REFERENCE NUMBERS

SPL TOP RELIAB&PFAIL E M 690R 1- 6 CR.
PREREQ: PERMISSION OF INSTRUCTOR
INSTRUCTOR PERMISSION REQUIRED, PROCESS
APPROVED ADD SLIP IN 10 ALUMNI HALL
*******  SEE DEPT FOR REFERENCE NUMBERS

SPECIAL TOPICS E M 690S 1- 6 CR.
PREREQ: PERMISSION OF INSTRUCTOR
INSTRUCTOR PERMISSION REQUIRED, PROCESS
APPROVED ADD SLIP IN 10 ALUMNI HALL
*******  SEE DEPT FOR REFERENCE NUMBERS

ENGINEERING SCIENCE

COOPERATIVE EDUC E SCI 298  R CR.
SATISFACTORY-FAIL ONLY.
PREREQ: PERMISSION OF DEPARTMENT
PERMISSION OF ADVISER & CAREER SERVICES REQUIRED,
COLLEGE WILL REGISTER STUDENT
7417005  ARRANGED

EXPERIMENTAL METHDS E SCI 382  3 CR.
PREREQ: E M 324, 345, MATH 266 OR 267, STAT 231
AVAILABLE FOR NONMAJOR GRADUATE CREDIT.
7670005  MWF 12:10-1:00

ENGR INTERNSHIP E SCI 397  R CR.
SATISFACTORY-FAIL ONLY.
PREREQ: PERMISSION OF DEPARTMENT
PERMISSION OF ADVISER & CAREER SERVICES REQUIRED,
COLLEGE WILL REGISTER STUDENT
7448005  ARRANGED

COOPERATIVE EDUC E SCI 398  R CR.
SATISFACTORY-FAIL ONLY.
PREREQ: 298, PERMISSION OF DEPARTMENT
PERMISSION OF ADVISER & CAREER SERVICES REQUIRED,
COLLEGE WILL REGISTER STUDENT
7468005  ARRANGED
ENGINEERING SCIENCE

MULTIDISCIPLINARY DESIGN E 466 3 CR.
PREREQ: COURSE TO BE TAKEN WITHIN 2 SEMESTERS OF GRADUATION, PERMISSION OF INSTRUCTOR
7876005 T 3:10-4:00
TR 4:10-6:00 PM
DEPARTMENT PERMISSION REQUIRED, PROCESS APPROVED ADD SLIP IN 10 ALUMNI HALL

SR DESIGN PROJECT I E 481 2 CR.
PREREQ: 382, MATH 481
AVAILABLE FOR NONMAJOR GRADUATE CREDIT.
7474005 ARRANGED

SR DESIGN PROJECT II E 482 4 CR.
PREREQ: 481
AVAILABLE FOR NONMAJOR GRADUATE CREDIT.
7475005 ARRANGED

COOPERATIVE EDUC E 498 R CR.
PREREQ: 398, PERMISSION OF DEPARTMENT CHAIR
PERMISSION OF ADVISER & CAREER SERVICES REQUIRED, COLLEGE WILL REGISTER STUDENT
7511005 ARRANGED

ENGLISH

INTENSIVE ENGLISH ENGL 10 0 CR.
SATISFACTORY-FAIL ONLY.
PREREQ: RECOMMENDATION OF THE ENGLISH DEPT
DEPARTMENT PERMISSION REQUIRED, PROCESS APPROVED ADD SLIP IN 10 ALUMNI HALL
******* SEE DEPT FOR REFERENCE NUMBERS

INTENSIVE ENGLISH ENGL 10A 0 CR.
SATISFACTORY-FAIL ONLY.
PREREQ: RECOMMENDATION OF THE ENGLISH DEPT
DEPARTMENT PERMISSION REQUIRED, PROCESS APPROVED ADD SLIP IN 10 ALUMNI HALL
******* SEE DEPT FOR REFERENCE NUMBERS

INTENSIVE ENGLISH ENGL 10B 0 CR.
SATISFACTORY-FAIL ONLY.
PREREQ: RECOMMENDATION OF THE ENGLISH DEPT
DEPARTMENT PERMISSION REQUIRED, PROCESS APPROVED ADD SLIP IN 10 ALUMNI HALL
******* SEE DEPT FOR REFERENCE NUMBERS

INTENSIVE ENGLISH ENGL 10C 0 CR.
SATISFACTORY-FAIL ONLY.
PREREQ: RECOMMENDATION OF THE ENGLISH DEPT
DEPARTMENT PERMISSION REQUIRED, PROCESS APPROVED ADD SLIP IN 10 ALUMNI HALL
******* SEE DEPT FOR REFERENCE NUMBERS

NONNATIVE LISTENING ENGL 99L 0 CR.
ENGL 99L DOES NOT APPLY TOWARD GRADUATION
7774005 1 MW 2:10-3:00
7774010 2 TR 3:40-4:30

NONNATIVE READING ENGL 99R 0 CR.
ENGL 99R DOES NOT APPLY TOWARD GRADUATION
7877005 1 T 4:10-5:00
7877010 2 W 12:10-1:00

FIRST-YR COMPOSITION I ENGL 104 3 CR.
PREREQ: 104 OR EXEMPTION FROM 104; CREDIT FOR OR CONCURRENT ENROLLMENT IN LIB 160
SECTIONS NOT SCHEDULED FOR COMPUTER ROOMS MAY MEET ONE DAY A WEEK IN A COMPUTER LAB
3298780 RC MWF 10:00-10:50
SEC. RC MEETS IN ROBERTS HALL COMPUTER ROOM
3298785 RC MWF 11:00-11:50
SEC. RD MEETS IN ROBERTS HALL COMPUTER ROOM
3298785 RF MWF 1:10-2:00
SEC. RF MEETS IN ROBERTS HALL COMPUTER ROOM
3298875 RF MWF 1:10-2:00
SEC. RF MEETS IN ROBERTS HALL COMPUTER ROOM
3298250 80 MWF 9:00-9:50
SECTION 80 IS A CROSS-CULTURAL SECTION.
SEC. 80 IS A CROSS-CULTURAL SECTION.
U.S. STUDENTS ONLY. MEETS JOINTLY WITH
SECTION 81.
3298255 81 MWF 9:00-9:50
PERMISSION OF DEANNA STUumbo REQUIRED TO ADD. SEC.
81 IS A CROSS-CULTURAL SEC. INTERNATIONAL STUDENTS
ONLY, MEETS JOINTLY WITH SEC 80.
DEPARTMENT PERMISSION REQUIRED, PROCESS APPROVED ADD SLIP IN 10 ALUMNI HALL
3298260 82 MWF 10:00-10:50
SECTION 82 IS A CROSS-CULTURAL SECTION.
U.S. STUDENTS ONLY. MEETS JOINTLY WITH
SECTION 83.
3298265 83 MWF 10:00-10:50
PERMISSION OF DEANNA STUumbo REQUIRED TO ADD. SEC.
83 IS A CROSS-CULTURAL SEC.
INTERNATIONAL STUDENTS
ONLY, MEETS JOINTLY WITH SEC 82.
DEPARTMENT PERMISSION REQUIRED, PROCESS APPROVED ADD SLIP IN 10 ALUMNI HALL
FIRST-YR COMPOSITION II ENGL 105 3 CR.
PREREQ: 104 OR EXEMPTION FROM 104; CREDIT FOR OR CONCURRENT ENROLLMENT IN LIB 160
SECTIONS NOT SCHEDULED FOR COMPUTER ROOMS MAY MEET ONE DAY A WEEK IN A COMPUTER LAB
3299310 FA MWF 8:00-8:50
SEC. FA MEETS IN FRILEY HALL COMPUTER ROOM
3299315 FB MWF 9:00-9:50
SEC. FB MEETS IN FRILEY HALL COMPUTER ROOM
3299320 FC MWF 10:00-10:50
SEC. FC MEETS IN FRILEY HALL COMPUTER ROOM
3299325 FD MWF 11:00-11:50
SEC. FD MEETS IN FRILEY HALL COMPUTER ROOM

ENGLISH NONNATIVE I ENGL 101B 3 CR.
PREREQ: RECOMMENDATION OF ENGLISH DEPARTMENT
ENGL 101B DOES NOT APPLY TOWARD GRADUATION
3294005 1 MWF 9:00-9:50
3294010 2 MWF 10:00-10:50

ENGLISH NONNATIVE II ENGL 101C 3 CR.
PREREQ: RECOMMENDATION OF ENGLISH DEPARTMENT;
101B OR PLACEMENT IN 101C
ENGL 101C DOES NOT APPLY TOWARD GRADUATION
3295005 1 MWF 9:00-9:50
3295010 2 MWF 10:00-10:50
3295015 3 TR 9:30-10:50

ENGLISH NONNATIVE II ENGL 101D 3 CR.
PREREQ: RECOMMENDATION OF ENGLISH DEPARTMENT;
101B OR PLACEMENT IN 101D
ENGL 101D DOES NOT APPLY TOWARD GRADUATION
3296005 1 MWF 9:00-9:50
3296010 2 TR 12:40-2:00
3296015 3 TR 9:30-10:50
3296020 4 TR 11:00-12:20

FIRST-YR COMPOSITION I ENGL 104 3 CR.
SECTIONS NOT SCHEDULED FOR COMPUTER ROOMS MAY MEET ONE DAY A WEEK IN A COMPUTER LAB
3298780 RC MWF 10:00-10:50
SEC. RC MEETS IN ROBERTS HALL COMPUTER ROOM
3298785 RC MWF 11:00-11:50
SEC. RD MEETS IN ROBERTS HALL COMPUTER ROOM
3298785 RF MWF 1:10-2:00
SEC. RF MEETS IN ROBERTS HALL COMPUTER ROOM
3298875 RF MWF 1:10-2:00
SEC. RF MEETS IN ROBERTS HALL COMPUTER ROOM
3298250 80 MWF 9:00-9:50
SECTION 80 IS A CROSS-CULTURAL SECTION.
SEC. 80 IS A CROSS-CULTURAL SECTION.
U.S. STUDENTS ONLY. MEETS JOINTLY WITH
SECTION 81.
3298255 81 MWF 9:00-9:50
PERMISSION OF DEANNA STUumbo REQUIRED TO ADD. SEC.
81 IS A CROSS-CULTURAL SEC. INTERNATIONAL STUDENTS
ONLY, MEETS JOINTLY WITH SEC 80.
DEPARTMENT PERMISSION REQUIRED, PROCESS APPROVED ADD SLIP IN 10 ALUMNI HALL
3298260 82 MWF 10:00-10:50
SECTION 82 IS A CROSS-CULTURAL SECTION.
U.S. STUDENTS ONLY. MEETS JOINTLY WITH
SECTION 83.
3298265 83 MWF 10:00-10:50
PERMISSION OF DEANNA STUumbo REQUIRED TO ADD. SEC.
83 IS A CROSS-CULTURAL SEC.
INTERNATIONAL STUDENTS
ONLY, MEETS JOINTLY WITH SEC 82.
DEPARTMENT PERMISSION REQUIRED, PROCESS APPROVED ADD SLIP IN 10 ALUMNI HALL
FIRST-YR COMPOS II  ENGL 105  3 CR.

FIRST-YR COMPOS II  ENGL 105  3 CR.
3299517  MH MWF 3:10-4:00
SEC. MH MEETS IN MAPLE-WILLOW-LARCH COMMONS
3299519  MJ MWF 3:10-5:00
SEC. MJ MEETS IN MAPLE-WILLOW-LARCH COMMONS
3299520  MK TR 8:00-9:20
SEC. MK MEETS IN MAPLE-WILLOW-LARCH COMMONS
3299521  ML TR 9:30-10:50
SEC. ML MEETS IN MAPLE-WILLOW-LARCH COMMONS
3299522  MM TR 11:00-12:20
SEC. MM MEETS IN MAPLE-WILLOW-LARCH COMMONS
3299523  MN TR 12:40-2:00
SEC. MN MEETS IN MAPLE-WILLOW-LARCH COMMONS
3299525  MP TR 2:10-3:30
SEC. MP MEETS IN MAPLE-WILLOW-LARCH COMMONS
3299526  MQ TR 3:40-5:00
SEC. MQ MEETS IN MAPLE-WILLOW-LARCH COMMONS
3299905  RL TR 9:30-10:50
SEC. RL MEETS IN ROBERTS HALL COMPUTER ROOM
3299910  RM TR 11:00-12:20
SEC. RM MEETS IN ROBERTS HALL COMPUTER ROOM
3299915  RN TR 12:40-2:00
SEC. RN MEETS IN ROBERTS HALL COMPUTER ROOM
3299925  RP TR 2:10-3:30
SEC. RP MEETS IN ROBERTS HALL COMPUTER ROOM
3299010  10 MWF 8:00-8:50
3299015  11 MWF 8:00-8:50
3299020  12 MWF 8:00-8:50
3299025  13 MWF 9:00-9:50
3299030  14 MWF 9:00-9:50
3299035  15 MWF 9:00-9:50
3299040  16 MWF 10:00-10:50
3299045  17 MWF 10:00-10:50
3299050  18 MWF 10:00-10:50
3299055  19 MWF 11:00-11:50
3299060  20 MWF 11:00-11:50
3299085  21 MWF 11:00-11:50
3299090  22 MWF 12:10-1:00
3299100  23 MWF 12:10-1:00
3299105  24 MWF 12:10-1:00
3299115  25 MWF 1:10-2:00
3299120  26 MWF 1:10-2:00
3299125  27 MWF 1:10-2:00
3299135  28 MWF 2:10-3:00
3299137  29 MWF 2:10-3:00
3299140  30 MWF 2:10-3:00
3299145  31 MWF 3:10-4:00
3299165  32 MWF 3:10-4:00
3299170  33 MWF 3:10-4:00
3299200  34 MWF 4:10-5:00
3299201  35 MWF 4:10-5:00
3299202  36 MW 6:30-7:50
3299203  37 TR 8:00-9:20
3299204  38 TR 8:00-9:20
3299205  39 TR 8:00-9:20
3299206  40 TR 9:30-10:50
3299207  41 TR 9:30-10:50
3299208  42 TR 9:30-10:50
3299209  43 TR 9:30-10:50
3299210  44 TR 11:00-12:20
3299211  45 TR 11:00-12:20
3299212  46 TR 11:00-12:20
3299213  47 TR 11:00-12:20
3299214  48 TR 12:40-2:00
3299215  49 TR 12:40-2:00
3299216  50 TR 12:40-2:00
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<th>Course Code</th>
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<tbody>
<tr>
<td>ENGL 105</td>
<td>FIRST-YR COMPOS II</td>
<td>3</td>
<td>3299215-3299220</td>
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<td></td>
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<td>3299221-3299224</td>
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<td></td>
<td></td>
<td></td>
<td>3299225-3299229</td>
</tr>
<tr>
<td>ENGL 180A</td>
<td>SPEAKING FOR INT'L TA</td>
<td>3</td>
<td>3579005</td>
</tr>
<tr>
<td>ENGL 180C</td>
<td>ADVANCED SPEAKING FOR INT'L TA</td>
<td>3</td>
<td>3585005</td>
</tr>
<tr>
<td>ENGL 199</td>
<td>INTRO STUDY ENGLISH</td>
<td>R</td>
<td>3302005</td>
</tr>
<tr>
<td>ENGL 201</td>
<td>INTRO TO LITERATURE</td>
<td>3</td>
<td>3303005, 3306005, 3306010, 3306015, 3306020, 3306025</td>
</tr>
<tr>
<td>ENGL 213</td>
<td>COMPTR IN STDY ENGL</td>
<td>3</td>
<td>6867005</td>
</tr>
<tr>
<td>ENGL 219</td>
<td>INTRO LINGUISTICS</td>
<td>3</td>
<td>3307005, 3307010, 3307015, 3307020, 3307025</td>
</tr>
<tr>
<td>ENGL 220</td>
<td>DESCRIPTIVE ENGLISH GRAMMAR</td>
<td>3</td>
<td>3308005, 3308010</td>
</tr>
<tr>
<td>ENGL 260</td>
<td>INTRO LITERARY STUDY</td>
<td>3</td>
<td>3309005, 3309010, 3309015, 3309020, 3309025</td>
</tr>
</tbody>
</table>

**ENGLISH**

**FIRST-YR COMPOS II ENGL 105 3 CR.**

<table>
<thead>
<tr>
<th>Section</th>
<th>Time</th>
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</thead>
<tbody>
<tr>
<td>3299215</td>
<td>TR 12:40-2:00</td>
</tr>
<tr>
<td>3299216</td>
<td>TR 12:40-2:00</td>
</tr>
<tr>
<td>3299217</td>
<td>TR 12:40-2:00</td>
</tr>
<tr>
<td>3299218</td>
<td>TR 12:40-2:00</td>
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<tr>
<td>3299219</td>
<td>TR 12:40-2:00</td>
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<td>3299220</td>
<td>TR 12:40-2:00</td>
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<td>3299221</td>
<td>TR 12:40-2:00</td>
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<td>3299222</td>
<td>TR 12:40-2:00</td>
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<tr>
<td>3299223</td>
<td>TR 12:40-2:00</td>
</tr>
<tr>
<td>3299224</td>
<td>TR 12:40-2:00</td>
</tr>
</tbody>
</table>

**SECTION 80** is a cross-cultural section. U.S. students only. Meets jointly with SEC. 81.

<table>
<thead>
<tr>
<th>Section</th>
<th>Time</th>
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</thead>
<tbody>
<tr>
<td>3299255</td>
<td>MWF 10:00-10:50</td>
</tr>
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</table>

Permission of Deanna Stumbo required to add sec.

**SECTION 81** is a cross-cultural section. International students only. Meets jointly with SEC. 80.

<table>
<thead>
<tr>
<th>Section</th>
<th>Time</th>
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</thead>
<tbody>
<tr>
<td>3299260</td>
<td>MWF 11:00-11:50</td>
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Permission of Deanna Stumbo required to add sec.

**SECTION 82** is a cross-cultural section. International students only. Meets jointly with SEC. 83.

<table>
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<tr>
<th>Section</th>
<th>Time</th>
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<tbody>
<tr>
<td>3299265</td>
<td>MWF 11:00-11:50</td>
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</table>

Permission of Deanna Stumbo required to add sec.

**SECTION 83** is a cross-cultural section. International students only. Meets jointly with SEC. 82.

<table>
<thead>
<tr>
<th>Section</th>
<th>Time</th>
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</thead>
<tbody>
<tr>
<td>3299270</td>
<td>TR 11:00-12:20</td>
</tr>
</tbody>
</table>

Permission of Deanna Stumbo required to add sec.

**SECTION 84** is a cross-cultural section. International students only. Meets jointly with SEC. 85.

<table>
<thead>
<tr>
<th>Section</th>
<th>Time</th>
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</thead>
<tbody>
<tr>
<td>3299275</td>
<td>TR 11:00-12:20</td>
</tr>
</tbody>
</table>

Permission of Deanna Stumbo required to add sec.

**SECTION 85** is a cross-cultural section. International students only. Meets jointly with SEC. 84.

<table>
<thead>
<tr>
<th>Section</th>
<th>Time</th>
</tr>
</thead>
<tbody>
<tr>
<td>3299280</td>
<td>TR 11:00-12:20</td>
</tr>
</tbody>
</table>

Permission of Deanna Stumbo required to add sec.

**SPEAKING FOR INT'L TA ENGL 180A 3 CR.**

Prereq: No more than one section of 180 may be taken per semester; up to two sections total. ENGL 180A does not apply toward graduation for teaching assistants. Get add slip signed in speak/teach office, 201 lab of mechanics.

<table>
<thead>
<tr>
<th>Section</th>
<th>Time</th>
</tr>
</thead>
<tbody>
<tr>
<td>3579005</td>
<td>TR 9:30-10:50</td>
</tr>
</tbody>
</table>

Department permission required. Process approved add slip in 10 Alumni Hall.

**ADVANCED SPEAKING FOR INT'L TA ENGL 180C 3 CR.**

Prereq: No more than one section of 180 may be taken per semester; up to two sections total. ENGL 180C does not apply toward graduation for teaching assistants. Get add slip signed in speak/teach office, 201 lab of mechanics.

<table>
<thead>
<tr>
<th>Section</th>
<th>Time</th>
</tr>
</thead>
<tbody>
<tr>
<td>3585005</td>
<td>TR 12:40-2:00</td>
</tr>
</tbody>
</table>

Department permission required. Process approved add slip in 10 Alumni Hall.

**INTRO STUDY ENGLISH ENGL 199 R CR.**

Satisfactory-fail only. Please see advisor for more information. Course restricted to ENGL and TCOMM majors only.

<table>
<thead>
<tr>
<th>Section</th>
<th>Time</th>
</tr>
</thead>
<tbody>
<tr>
<td>3302005</td>
<td>A ARRANGED</td>
</tr>
</tbody>
</table>

Hagge, L

Sect A: Jan 10-March 4

**INTRO TO LITERATURE ENGL 201 3 CR.**

Prereq: Credit in or exemption from 104

<table>
<thead>
<tr>
<th>Section</th>
<th>Time</th>
</tr>
</thead>
<tbody>
<tr>
<td>3303005</td>
<td>A TR 11:00-12:20</td>
</tr>
<tr>
<td>6867005</td>
<td>A1 TR 9:30-10:50</td>
</tr>
</tbody>
</table>

Sec A1 restricted to CMST, ENGL, JL MC, P. JMC, TCOMM majors only.

<table>
<thead>
<tr>
<th>Section</th>
<th>Time</th>
</tr>
</thead>
<tbody>
<tr>
<td>6867010</td>
<td>A2 TR 9:30-10:50</td>
</tr>
</tbody>
</table>

Sec A2 restricted to majors other than ENGL & TCOMM.

**INTRO LINGUISTICS ENGL 219 3 CR.**

Prereq: Sophomore classification

<table>
<thead>
<tr>
<th>Section</th>
<th>Time</th>
</tr>
</thead>
<tbody>
<tr>
<td>3307005</td>
<td>A1 MWF 11:00-11:50</td>
</tr>
<tr>
<td>3307010</td>
<td>B1 TR 9:30-10:50</td>
</tr>
</tbody>
</table>

Sec B1 restricted to ENGL & TCOMM majors.

<table>
<thead>
<tr>
<th>Section</th>
<th>Time</th>
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</thead>
<tbody>
<tr>
<td>3307015</td>
<td>B2 TR 9:30-10:50</td>
</tr>
</tbody>
</table>

Sec B2 for majors other than ENGL and TCOMM.

<table>
<thead>
<tr>
<th>Section</th>
<th>Time</th>
</tr>
</thead>
<tbody>
<tr>
<td>3307020</td>
<td>C1 MWF 9:00-9:50</td>
</tr>
<tr>
<td>3307025</td>
<td>C2 MWF 9:00-9:50</td>
</tr>
</tbody>
</table>

Sec C1 restricted to ENGL & TCOMM majors.

**INTRO LITERARY STUDY ENGL 260 3 CR.**

Prereq: Credit in or exemption from 104

<table>
<thead>
<tr>
<th>Section</th>
<th>Time</th>
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<tbody>
<tr>
<td>3308005</td>
<td>A TR 9:30-10:50</td>
</tr>
<tr>
<td>3308010</td>
<td>B MWF 10:00-10:50</td>
</tr>
</tbody>
</table>

Sect C1 restricted to ENGL & TCOMM majors.

**DESCRIP ENGLISH GRAMMAR ENGL 220 3 CR.**

Prereq: 105

<table>
<thead>
<tr>
<th>Section</th>
<th>Time</th>
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<tbody>
<tr>
<td>3309005</td>
<td>A TR 9:30-10:50</td>
</tr>
<tr>
<td>3309010</td>
<td>B MWF 10:00-10:50</td>
</tr>
</tbody>
</table>

Sect C1 restricted to ENGL & TCOMM majors.

**SECTION C1** restricted to ENGL & TCOMM majors.

**SECTION C2** for majors other than ENGL and TCOMM.

**DESCRIPTIVE ENGLISH GRAMMAR ENGL 220 3 CR.**

Prereq: 105

<table>
<thead>
<tr>
<th>Section</th>
<th>Time</th>
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<tbody>
<tr>
<td>3309005</td>
<td>A TR 9:30-10:50</td>
</tr>
<tr>
<td>3309010</td>
<td>B MWF 10:00-10:50</td>
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</tbody>
</table>

Sect C2 for majors other than ENGL and TCOMM.

**SECTION C2** restricted to ENGL & TCOMM majors.

**SECTION C2** for majors other than ENGL and TCOMM.
ENGLISH

### CULTURAL STUDIES
**ENGL 301** 3 CR.
- **PREREQ:** 105
- **3313005** A MWF 1:10-2:00

### BUSINESS COMMUNICAT
**ENGL 302** 3 CR.
- **PREREQ:** 105, JR CLASSIFICATION
- Some sections will be taught in a computer lab
- Course is restricted to juniors and above
- Available for nonmajor graduate credit.
- **3314005** 1 MWF 8:00-8:50
- **3314010** 2 MWF 8:00-8:50
- **3314015** 3 MWF 9:00-9:50
- **3314020** 4 MWF 9:00-9:50
- **3314025** 5 MWF 10:00-10:50
- **3314030** 6 MWF 10:00-10:50
- **3314035** 7 MWF 11:00-11:50
- **3314040** 8 MWF 11:00-11:50
- **3314045** 9 MWF 12:10-1:00
- **3314170** EM MWF 6:00-8:00 PM
  - Section EM: Jan 24-April 13
  - Section EM for majors other than L ST, LAS
- **3314175** EM MWF 6:00-8:00 PM
  - Section EM: Jan 24-April 13
  - Section EM for L ST, LAS majors only

### CREATIVE WRITING
**ENGL 304** 3 CR.
- **PREREQ:** 105, NOT OPEN TO FRESHMEN
- Course is restricted to soph and above
- **3316005** A TR 11:00-12:20
- **3316010** B TR 11:00-12:20
- **3316015** C TR 12:40-2:00
- **3316020** D TR 9:30-10:50

**ENGL 305** 3 CR.
- **PREREQ:** 105, NOT OPEN TO FRESHMEN
- Available for nonmajor graduate credit.
- **5597005** A1 TR 11:00-12:20
  - Section A1 restricted to ENGL, TCOMM majors
- **5597010** A2 TR 11:00-12:20
  - Section A2 restricted to majors other than ENGL, TCOMM

### TECHNICAL COMMUNIT
**ENGL 314** 3 CR.
- **PREREQ:** 105, JR CLASSIFICATION
- Some sections will be taught in a computer lab
- Course is restricted to juniors and above
- Available for nonmajor graduate credit.
- **3356005** 1 MWF 8:00-8:50
- **3356010** 2 MWF 9:00-9:50
- **3356015** 3 MWF 10:00-10:50
- **3356020** 4 MWF 11:00-11:50
- **3356025** 5 MWF 12:10-1:00
- **3356030** 6 MWF 1:10-2:00
- **3356035** 7 MWF 2:10-3:00
- **3356040** 8 MWF 3:10-4:00
- **3356045** 9 MWF 4:10-5:00
- **3356105** EM TR 6:00-8:00 PM
  - Section EM: Jan 25-April 14
  - Section EM for majors other than L ST, LAS
ENGLISH

TECHNICAL COMMUNCTN  ENGL 314  3 CR.
3356110  ES TR 6:00-8:00PM
SECT ES:JAN 25-APRIL 14
SECTION ES FOR L ST, LAS S MAJORS ONLY
3356050  10 TR 8:00-9:20
3356055  11 TR 9:30-10:50
3356060  12 TR 11:00-12:20
3356065  13 TR 11:00-12:20
SEC 13 RESTRICTED TO ENGL, TCOMM MAJORS, SOPH & ABOVE
3356070  14 TR 12:40-2:00
3356075  15 TR 12:40-2:00
3356080  16 TR 1:00-3:30
3356085  17 TR 1:00-3:30
3356090  18 TR 3:40-5:00

SCIENCE FICTION  ENGL 330  3 CR.
PREREQ: 105
3312005  A MWF 1:10-2:00

FILM  ENGL 335  3 CR.
PREREQ: 105
FILM SHOWINGS MAY EXTEND SCHEDULED TIME
MATERIALS FEE $30.00
AVAILABLE FOR NONMAJOR GRADUATE CREDIT.
3322005  A1 T 6:00-9:00PM
3322010  A2 T 6:00-9:00PM

LIT THRY&CRITICISM  ENGL 339  3 CR.
PREREQ: 260 & 3 ADDITIONAL CREDITS IN LITERATURE
3361005  A MF 11:00-11:50
3361010  B TR 9:30-10:50

U. S. LATINO/A LIT  ENGL 344  3 CR.
PREREQ: 105
MEETS U.S. DIVERSITY REQMT.
7543005  A1 TR 2:10-3:30
SEC A1 RESTRICTED TO ENGL, TCOMM MAJORS ONLY.
7543010  A2 TR 2:10-3:30
SEC A2 FOR MAJORS OTHER THAN ENGL, TCOMM

WOMEN & LIT TOPICS  ENGL 345  3 CR.
PREREQ: 105
MEETS U.S. DIVERSITY REQMT.
AVAILABLE FOR NONMAJOR GRADUATE CREDIT.
3324005  A1 TR 11:00-12:20
SEC A1 RESTRICTED TO ENGL, TCOMM MAJORS ONLY.
3324010  A2 TR 11:00-12:20
SEC A2 FOR MAJORS OTHER THAN ENGL, TCOMM

AMERICAN INDIAN LIT  ENGL 346  3 CR.
PREREQ: 105
MEETS U.S. DIVERSITY REQMT.
AVAILABLE FOR NONMAJOR GRADUATE CREDIT.
3325005  A1 MF 9:00-9:50
SEC A1 RESTRICTED TO ENGL, TCOMM MAJORS ONLY.
3325010  A2 MF 9:00-9:50
SEC A2 RESTRICTED TO MAJORS OTHER THAN ENGL, TCOMM

MYTH, FAIRYTALE, LGND  ENGL 358  3 CR.
PREREQ: 105
AVAILABLE FOR NONMAJOR GRADUATE CREDIT.
3333005  A TR 11:00-12:20

AMERICAN LIT TO 1830  ENGL 360  3 CR.
PREREQ: 105; SOPHOMORE CLASSIFICATION
3334005  A1 TR 12:40-2:00
SEC A1 RESTRICTED TO ENGL, TCOMM MAJORS ONLY
3334010  A2 TR 12:40-2:00
SEC A2 RESTRICTED TO MAJORS OTHER THAN ENGL, TCOMM

AMERICAN LIT: 1830-1914  ENGL 362  3 CR.
PREREQ: 105; SOPHOMORE CLASSIFICATION
3336005  A1 TR 9:30-10:50
SEC A1 RESTRICTED TO ENGL, TCOMM MAJORS ONLY
3336010  A2 TR 9:30-10:50
SEC A2 RESTRICTED TO MAJORS OTHER THAN ENGL, TCOMM

AMERICAN LIT: 1914-PRES  ENGL 364  3 CR.
PREREQ: 105; SOPHOMORE CLASSIFICATION
3338005  A1 TR 12:40-2:00
SEC A1 RESTRICTED TO ENGL, TCOMM MAJORS ONLY
3338010  A2 TR 12:40-2:00
SEC A2 RESTRICTED TO MAJORS OTHER THAN ENGL, TCOMM

STUDIES IN DRAMA  ENGL 366  3 CR.
PREREQ: 105
3339005  A MF 1:10-2:00

SHAKESPEARE  ENGL 370  3 CR.
PREREQ: 105
MEETS INTERNATIONAL PERSPECTIVES REQMT.
3341005  A TR 10:00-10:50
SEC A1 RESTRICTED TO ENGL, TCOMM MAJORS ONLY
3341010  A2 TR 10:00-10:50
SEC A2 RESTRICTED TO MAJORS OTHER THAN ENGL, TCOMM
ENGLISH

BRIT LIT: RESTOR & 18C  ENGL 375  3 CR.
 PREREQ: 105; SOPHOMORE CLASSIFICATION
 MEETS INTERNATIONAL PERSPECTIVES REQMT.
 3344005  A1 TR 11:00-12:20
 SEC A1 RESTRICTED TO ENGL, TCOMM MAJORS ONLY
 3344010  A2 TR 11:00-12:20
 SEC A2 RESTRICTED TO MAJORS OTHER THAN ENGL,
 TCOMM

BRIT LIT: ROMANT & VIC  ENGL 376  3 CR.
 PREREQ: 105; SOPHOMORE CLASSIFICATION
 MEETS INTERNATIONAL PERSPECTIVES REQMT.
 3345005  A MWF 11:00-11:50

BRIT LIT: MOD & CONTEMP  ENGL 378  3 CR.
 PREREQ: 105; SOPHOMORE CLASSIFICATION
 3347005  A1 TR 2:10-3:30
 SEC A1 RESTRICTED TO ENGL, TCOMM MAJORS ONLY
 3347010  A2 TR 2:10-3:30
 SEC A2 RESTRICTED TO MAJORS OTHER THAN ENGL,
 TCOMM

TEACH NG WRITING SEC  ENGL 392  3 CR.
 PREREQ: 219 OR 220
 3381005  A TR 11:00-12:20

TCH RDNG OF YNG LIT  ENGL 394  3 CR.
 PREREQ: 105
 AVAILABLE FOR NONMAJOR GRADUATE CREDIT.
 3350005  A TR 9:30-10:50

WRIT WRKSP NON-PICT  ENGL 405  3 CR.
 PREREQ: 305
 3354005  A TR 2:10-3:30

WRIT WORKSHP POETRY  ENGL 406  3 CR.
 PREREQ: 306
 COURSE NOT OPEN TO FRESHMEN
 3355005  A MW 3:40-5:00
 3355010  B TR 12:40-2:00

TECHNL, Rhet, Pro CMM  ENGL 411  3 CR.
 PREREQ: 310, 302, 309, 313, OR 314; JUNIOR CLASSIFICATION
 AVAILABLE FOR NONMAJOR GRADUATE CREDIT.
 3020005  A TR 9:30-10:50
 SAUER G

CMPOS DOCUMNTN&INST  ENGL 413  3 CR.
 PREREQ: 313; 302, 309, OR 314; JUNIOR CLASSIFICATION
 AVAILABLE FOR NONMAJOR GRADUATE CREDIT.
 5258005  A1 TR 12:40-2:00
 SEC A1 RESTRICTED TO ENGL, TCOMM MAJORS ONLY
 5258010  A2 TR 12:40-2:00
 SEC A2 - PERMISSION OF DEPT ADVISORS REQUIRED TO ADD.
 DEPARTMENT PERMISSION REQUIRED, PROCESS APPROVED ADD SLIP IN 10 ALUMNI HALL

ARGUMENTATIVE WRITNG  ENGL 418  3 CR.
 PREREQ: 310; JUNIOR CLASSIFICATION
 AVAILABLE FOR NONMAJOR GRADUATE CREDIT.
 2718005  A TR 9:30-10:50

HIST OF ENGLISH LANG  ENGL 420  3 CR.
 PREREQ: 219, 220
 NOT OPEN TO FRESHMEN OR SOPHOMORES
 AVAILABLE FOR NONMAJOR GRADUATE CREDIT.
 3360005  A TR 12:40-2:00

WOMEN, MEN & ENGL LANG  ENGL 422  3 CR.
 PREREQ: 219
 MEETS U.S. DIVERSITY REQMT.
 AVAILABLE FOR NONMAJOR GRADUATE CREDIT.
 9533005  A TR 9:30-10:50

SEMINAR AMERICAN LIT  ENGL 441  3 CR.
 PREREQ: COMPLETION OF OR CONCURRT ENRLMT IN 339
 AVAILABLE FOR NONMAJOR GRADUATE CREDIT.
 9535005  A MW 11:00-12:20
ENGLISH

SEMINAR IN POETRY ENGL 451 3 CR.
PREREQ: COMPLETION OF OR CONCURRENT ENRMLNT IN 339
TOPIC: AMERICAN POETRY SINCE 1970
AVAILABLE FOR NONMAJOR GRADUATE CREDIT.
9538005 A TR 9:30-10:50

SEM SINGLE FIG STDY ENGL 461 3 CR.
PREREQ: COMPLETION OF OR CONCURRENT ENRMLNT IN 339
AVAILABLE FOR NONMAJOR GRADUATE CREDIT.
9542005 A TR 12:40-2:00

INTERN BUS, PRO COMM ENGL 487 1-3 CR.
PREREQ: SENIOR CLASSIF; PERMISSN OF COORDINATOR;
9 CR IN 302,309,313,314,413,414,415 (PREFERRED), 416
DEPARTMENT PERMISSION REQUIRED, PROCESS
APPROVED ADD SLIP IN 10 ALUMNI HALL
9099005 A W 5:30-7:00PM

IND STDY LITERATURE ENGL 490A VAR. CR.
PREREQ: 9 CR IN ENGL BEYOND 105 APPROPRIATE
TO THE AREA TAKEN, JR CLASSIFICATION, PERMISSION
OF THE UNDERGRADUATE STUDIES COMMITTEE
NO MORE THAN 9 CREDITS OF ENGL 490 MAY BE
APPLIED TOWARD GRADUATION.
DEPARTMENT PERMISSION REQUIRED, PROCESS
APPROVED ADD SLIP IN 10 ALUMNI HALL
******* SEE DEPT FOR REFERENCE NUMBERS

IND STD LINGUISTICS ENGL 490B VAR. CR.
PREREQ: 9 CR IN ENGL BEYOND 105 APPROPRIATE
TO THE AREA TAKEN, JR CLASSIFICATION, PERMISSION
OF THE UNDERGRADUATE STUDIES COMMITTEE
NO MORE THAN 9 CREDITS OF ENGL 490 MAY BE
APPLIED TOWARD GRADUATION.
DEPARTMENT PERMISSION REQUIRED, PROCESS
APPROVED ADD SLIP IN 10 ALUMNI HALL
******* SEE DEPT FOR REFERENCE NUMBERS

INDEP STDY RHETORIC ENGL 490C VAR. CR.
PREREQ: 9 CR IN ENGL BEYOND 105 APPROPRIATE
TO THE AREA TAKEN, JR CLASSIFICATION, PERMISSION
OF THE UNDERGRADUATE STUDIES COMMITTEE
NO MORE THAN 9 CREDITS OF ENGL 490 MAY BE
APPLIED TOWARD GRADUATION.
DEPARTMENT PERMISSION REQUIRED, PROCESS
APPROVED ADD SLIP IN 10 ALUMNI HALL
******* SEE DEPT FOR REFERENCE NUMBERS

IND STUDY CRITICISM ENGL 490D VAR. CR.
PREREQ: 9 CR IN ENGL BEYOND 105 APPROPRIATE
TO THE AREA TAKEN, JR CLASSIFICATION, PERMISSION
OF THE UNDERGRADUATE STUDIES COMMITTEE
NO MORE THAN 9 CREDITS OF ENGL 490 MAY BE
APPLIED TOWARD GRADUATION.
DEPARTMENT PERMISSION REQUIRED, PROCESS
APPROVED ADD SLIP IN 10 ALUMNI HALL
******* SEE DEPT FOR REFERENCE NUMBERS

INDEP STUDY READING ENGL 490E VAR. CR.
PREREQ: 9 CR IN ENGL BEYOND 105 APPROPRIATE
TO THE AREA TAKEN, JR CLASSIFICATION, PERMISSION
OF THE UNDERGRADUATE STUDIES COMMITTEE
NO MORE THAN 9 CREDITS OF ENGL 490 MAY BE
APPLIED TOWARD GRADUATION.
DEPARTMENT PERMISSION REQUIRED, PROCESS
APPROVED ADD SLIP IN 10 ALUMNI HALL
******* SEE DEPT FOR REFERENCE NUMBERS

TEACH LIT SECONDARY ENGL 494 3 CR.
PREREQ: 310,392, 9 OTHER CREDITS IN ENGL BEYOND
105, PSYCH 333, ADMISSION TO TEACHER EDUC PROGRAM
3379005 A TR 2:10-3:30

TEACHING COMPOSITN ENGL 503 3 CR.
PREREQ: 6 CREDITS IN ENGLISH
3387005 A T 6:00-9:00PM

TECHNOL IN PRO COMM ENGL 505 3 CR.
PREREQ: GRADUATE CLASSIFICATION
5103005 A TR 11:00-12:20

THRY&RESRCH PRO CMM ENGL 506 3 CR.
PREREQ: 6 CREDITS IN ENGLISH
COURSE RESTRICTED TO GRADUATE ENGLISH MAJORS
3390005 A TR 12:40-2:00

SOCIOLINGUISTICS ENGL 514 3 CR.
PREREQ: 511 OR AN INTRODUCTORY LINGUISTICS COURSE
COURSE RESTRICTED TO GRADUATE ENGLISH MAJORS
3397005 A TR 11:00-12:20

2ND LANGUAGE ASSESSM ENGL 519 3 CR.
PREREQ: 517
3402005 A TR 12:40-2:00

TCH LIT&SPK NONNATV ENGL 525 3 CR.
PREREQ: 511 OR INTRODUCTORY COURSE IN LINGUISTICS
2230005 A MW 2:10-3:30
ENGLISH

CPR-ASSIST LANG LRN ENGL 526 3 CR.
PREREQ: 511 AND 513 OR EQUIVALENT
3638005 A TR 9:30-10:50

DISCOURSE ANALYSIS ENGL 527 3 CR.
PREREQ: 511 OR AN INTRO COURSE IN LINGUISTICS
COURSE RESTRICTED TO GRADUATE ENGLISH MAJORS
2052005 A M 6:00-9:00PM

BRITISH LIT TO 1830 ENGL 533 3 CR.
PREREQ: 6 CREDITS IN LITERATURE
2243005 A R 6:00-9:00PM

FICTION ENGL 538 3 CR.
PREREQ: 6 CREDITS IN LITERATURE
3259005 A TR 12:40-2:00

MULTICULTR U.S. LIT ENGL 544 3 CR.
PREREQ: 6 CREDITS IN LITERATURE
COURSE RESTRICTED TO GRADUATE ENGLISH MAJORS
9545005 A TR 11:00-12:20

HIST RHET THEORY II ENGL 548 3 CR.
PREREQ: 6 CREDITS IN ENGL
COURSE RESTRICTED TO GRADUATE ENGLISH MAJORS
8395005 A TR 2:10-3:30

ADV IMAG WRIT: FICTN ENGL 554 3 CR.
PREREQ: GRADUATE CLASSIFICATION
COURSE RESTRICTED TO GRADUATE ENGLISH MAJORS
3412005 A M 7:00-10:00PM
3412010 B M 7:00-10:00PM
INSTRUCTOR PERMISSION REQUIRED, PROCESS APPROVED ADD SLIP IN 10 ALUMNI HALL

ADV IMAG WRIT: POETR ENGL 556 3 CR.
PREREQ: GRADUATE CLASSIFICATION
COURSE RESTRICTED TO GRADUATE ENGLISH MAJORS
3413005 A T 7:00-10:00PM
3413010 B T 7:00-10:00PM
SEC B FOR STUDENTS NOT FORMALLY ADMITTED TO THR
MA PROGRAM IN ENGLISH.
INSTRUCTOR PERMISSION REQUIRED, PROCESS APPROVED ADD SLIP IN 10 ALUMNI HALL

STUDIES CREATV WRIT ENGL 557 3 CR.
PREREQ: GRADUATE CLASSIFICATION
9079005 A W 7:00-10:00PM

INTERN BUS, PRO COMM ENGL 587 1-3 CR.
PREREQ: 507 PLUS 3 ADDITIONAL GRAD CR IN BUSINESS & TECHNICAL WRITING OR COMPOSITION & RHETORIC; INSTR
PERMISSION; MASTER’S & DOCTORAL CANDIDATES IN ENGLISH
DEPARTMENT PERMISSION REQUIRED, PROCESS APPROVED ADD SLIP IN 10 ALUMNI HALL
3425005 A W 5:30-7:00PM

ENGLISH

PRA TCH ENG 2ND LNG ENGL 588 3 CR.
PREREQ: 15 CREDITS TOWARDS TESL/APPLIED LINGUISTICS MASTER’S DEGREE
3426005 A ARRANGED

SPL TOP LITERATURE ENGL 590A VAR. CR.
PREREQ: PERMISSION OF GRADUATE STUDIES COMMITTEE
ACCORDING TO GUIDELINES AVAILABLE IN DEPT OFFICE
******* SEE DEPT FOR REFERENCE NUMBERS

SPL TOP TESL/LINGUI ENGL 590B VAR. CR.
PREREQ: PERMISSION OF GRADUATE STUDIES COMMITTEE
ACCORDING TO GUIDELINES AVAILABLE IN DEPT OFFICE
******* SEE DEPT FOR REFERENCE NUMBERS

SPL TOP RHET & COMP ENGL 590C VAR. CR.
PREREQ: PERMISSION OF GRADUATE STUDIES COMMITTEE
ACCORDING TO GUIDELINES AVAILABLE IN DEPT OFFICE
******* SEE DEPT FOR REFERENCE NUMBERS

SP TOP RHE & PRO COMM ENGL 590E VAR. CR.
PREREQ: PERMISSION OF GRADUATE STUDIES COMMITTEE
ACCORDING TO GUIDELINES AVAILABLE IN DEPT OFFICE
******* SEE DEPT FOR REFERENCE NUMBERS

CREATIVE COMPONENT ENGL 599 3 CR.
PREREQ: GRADUATE CLASSIFICATION, PERMISSION OF MAJOR PROFESSOR
******* SEE DEPT FOR REFERENCE NUMBERS

TOP CURR RHET THEOR ENGL 621 3 CR.
PREREQ: 503 OR 506
COURSE RESTRICTED TO GRADUATE ENGLISH MAJORS
8396005 A MW 2:10-3:30

RESEARCH ENGL 699 VAR. CR.
PREREQ: GRADUATE CLASSIFICATION, PERMISSION OF MAJOR PROFESSOR
******* SEE DEPT FOR REFERENCE NUMBERS

ENTOMOLOGY

INTRO TO INSECTS ENT 201 1 CR.
5197005 A TR 2:10-3:30
SECT A: JAN 10 - FEB 11
5197015 W ARRANGED
SECT W: JAN 17 - FEB 18
COURSE DELIVERY IS WWW
SECTION INFO: http://www.ent.iastate.edu/courses

INSECTS AND SOCIETY ENT 211 2 CR.
PREREQ: 201
3441005 A TR 2:10-3:30
SECT A: FEB 15 - MAY 5
3441015 W ARRANGED
SECT W: FEB 21 - MAY 6
COURSE DELIVERY IS WWW
SECTION INFO: http://www.ent.iastate.edu/courses
### Entomology

#### Pesticide Appl Cert
- **Course:** ENT 283
- **Credits:** 2 CR.
- **Meeting Times:** MW 2:10 - 3:00

#### Livestock Entomology
- **Course:** ENT 372
- **Credits:** 2 CR.
- **Meeting Times:** T 5:10 - 7:00 PM, Jan 10 - April 8

#### Insects & Our Health
- **Course:** ENT 374
- **Credits:** 3 CR.
- **Prerequisites:** 3 credits in Biological Sciences
- **Meeting Times:** MW 2:10 - 3:00

#### Pesticide & Pest Mgt
- **Course:** ENT 376
- **Credits:** 3 CR.
- **Prerequisites:** BIOL 109 or 201
- **Meeting Times:** A TR 4:10 - 5:00, T 1:10 - 4:00, W 12:10 - 3:00

#### Pesticides in Envr
- **Course:** ENT 550
- **Credits:** 2 CR.
- **Meeting Times:** MWF 9:00 - 9:50, R 9:00 - 11:50

### Entomology

#### Insect Physiology
- **Course:** ENT 555
- **Credits:** 4 CR.
- **Prerequisites:** BIOL 312 or equivalent
- **Meeting Times:** MWF 9:00 - 9:50, R 9:00 - 11:50

#### Advanced Systematics
- **Course:** ENT 558
- **Credits:** 3 CR.
- **Meeting Times:** Arranged

#### Advanced Insect Pest Mgt
- **Course:** ENT 573
- **Credits:** 4 CR.
- **Prerequisites:** BIOL 312 or equivalent
- **Meeting Times:** TR 8:00 - 8:50

#### Advanced Systematics
- **Course:** ENT 568
- **Credits:** 3 CR.
- **Meeting Times:** Arranged

#### Advanced Systematics
- **Course:** ENT 573
- **Credits:** 4 CR.
- **Prerequisites:** BIOL 312 or equivalent
- **Meeting Times:** TR 8:00 - 8:50

### Pesticides in Envr
- **Course:** ENT 550
- **Credits:** 2 CR.
- **Meeting Times:** MWF 9:00 - 9:50, R 9:00 - 11:50
ENTOMOLOGY

SPL TOP IMMATUR INS ENT 590M 1-3 CR.
PREREQ: 15 CREDITS IN ZOOLOGICAL SCIENCES
******* SEE DEPT FOR REFERENCE NUMBERS

SPL TOP INSCT GENET ENT 590N 1-3 CR.
PREREQ: 15 CREDITS IN ZOOLOGICAL SCIENCES
******* SEE DEPT FOR REFERENCE NUMBERS

SEMINAR ENT 600 1 CR.
5345005 A M 4:10-5:00

RESEARCH ENT 699 VAR. CR.
INSTRUCTOR PERMISSION REQUIRED 1ST WEEK, PROCESS APPROVED ADD SLIP IN 10 ALUMNI HALL
******* SEE DEPT FOR REFERENCE NUMBERS

ENVIRONMENTAL SCIENCE

APPRENTICESHIP ENSCI 290 VAR. CR.
SATISFACTORY-FAIL ONLY.
PREREQ: APPROVAL OF THE ENVIR SCIENCE COORDINATOR PERMISSION OF COORDINATOR REQUIRED, PROCESS APPROVED ADD SLIP IN 10 ALUMNI HALL
******* SEE DEPT FOR REFERENCE NUMBERS

ENVIRN SOIL SCIENCE ENSCI 360 3 CR.
PREREQ: AGRON 260 OR GEOG 100 OR 201
1924005 1 MW 9:00-9:50 KILLORN R
1924010 2 MW 9:00-9:50 BURRAS C

INTERNERSHIP ENVI SCI ENSCI 390 VAR. CR.
SATISFACTORY-FAIL ONLY.
PREREQ: APPROVAL OF ENVIRONMENTAL SCI COORDINATOR
******* SEE DEPT FOR REFERENCE NUMBERS

ENVIRONM BIOLGOCHEM ENSCI 403 4 CR.
PREREQ: 330 AND 402 OR 402I AVAILABLE FOR NONMAJOR GRADUATE CREDIT.
3144005 MWF 1:10-2:00
W 2:10-4:00

GLOBAL CHANGE ENSCI 404 3 CR.
PREREQ: FOUR COURSES IN PHYSICAL OR BIOLOGICAL SCIENCES OR ENGINEERING AVAILABLE FOR NONMAJOR GRADUATE CREDIT.
3386005 MWF 11:00-11:50

CONTAMIN HYDROGEOLOG ENSCI 434 3 CR.
PREREQ: 411 OR EQUIVALENT MATERIALS FEE $15.00 AVAILABLE FOR NONMAJOR GRADUATE CREDIT.
5016005 TR 11:00-12:20

GIS&GPS NAT RESOURC ENSCI 446 3 CR.
PREREQ: 12 CR IN STUDENT’S MAJOR AT 300 LEVEL OR ABOVE
3013005 1 TR 8:00-8:50 T 12:10-3:00
3013010 2 TR 8:00-8:50 R 12:10-3:00
3033015 3 TR 8:00-8:50 W 10:00-1:00
ENVIRONMENTAL STUDIES

WORLD FOOD ISSUES  ENV S 342  3 CR.
MEETS INTERNATIONAL PERSPECTIVES REQMT.
AVAILABLE FOR NONMAJOR GRADUATE CREDIT.
1733005  1 TR 11:00-12:20  ZDORKOWSKI G
1733010  2 MWF 11:00-11:50  FORD C

ENVIRONMENTAL SOCIOL  ENV S 382  3 CR.
PREREQ: SOC 130, 134, OR ENV S 201
7579005  A1 TR 8:00-9:20  SECTION A1 RESTRICTED TO SOC, P S A
7579010  A2 TR 8:00-9:20  SECTION A2 FOR MAJORS OTHER THAN SOC, P S A

INTERNSHIP ENVIR STD  ENV S 390  VAR. CR.
SATISFACTORY-FAIL ONLY.
PREREQ: APPROVAL OF THE ENV S COORDINATOR
COURSE ONLY OFFERED FOR 1-4 CREDITS SPRING 2005
DEPARTMENT PERMISSION REQUIRED, PROCESS
APPROVED ADD SLIP IN 10 ALUMNI HALL
*******  SEE DEPT FOR REFERENCE NUMBERS

GLOBAL CHANGE  ENV S 404  3 CR.
PREREQ: 4 COURSES IN PHYS SCI OR BIO SCI OR ENGR
AVAILABLE FOR NONMAJOR GRADUATE CREDIT.
8673005  MWF 11:00-11:50

WATERSHED MANAGEMENT  ENV S 407  4 CR.
PREREQ: A COURSE IN GENERAL BIOLOGY
FIELD TRIPS & TRAVEL FEE $25.00
AVAILABLE FOR NONMAJOR GRADUATE CREDIT.
5143005  A TR 9:30-10:50
T 3:10-6:00PM

ENVIRN POLIT&POLICI  ENV S 482  3 CR.
PREREQ: 3 CREDITS IN POL S OR ENV S; JR CLASSIF
AVAILABLE FOR NONMAJOR GRADUATE CREDIT.
7581005  R 6:00-9:00PM

SUSTAINABLE COMMUNT  ENV S 484  3 CR.
PREREQ: SENIOR STATUS
7275005  TR 2:10-3:30  CLAPP T
SECTION INFO:
http://www.public.iastate.edu/~etlclapp/

INDEPENDENT STUDY  ENV S 490  VAR. CR.
PREREQ: PERMISSION OF INSTRUCTOR AND APPROVAL OF ENV S COORDINATOR
COURSE ONLY OFFERED FOR 1-3 CREDITS SPRING 2005
DEPARTMENT PERMISSION REQUIRED, PROCESS
APPROVED ADD SLIP IN 10 ALUMNI HALL
*******  SEE DEPT FOR REFERENCE NUMBERS

ENVIRONMENTAL LAW  ENV S 491  3 CR.
PREREQ: 6 CREDITS IN NATURAL SCIENCES
3478005  TR 8:00-9:20  CLAPP T
SECTION INFO:
http://www.public.iastate.edu/~etlclapp/

EXERCISE AND SPORT SCIENCE

SWIMMING II  EX SP 102  1 CR.
SATISFACTORY-FAIL ONLY.
PREREQ: 101 OR EQUIVALENT SKILL
EQUIPMENT USE FEE $3.00
5661005  1 TR 9:30-10:50

AQUATIC FITNESS  EX SP 108  1 CR.
SATISFACTORY-FAIL ONLY.
PREREQ: 102 OR EQUIVALENT SKILL
EQUIPMENT USE FEE $3.00
5665005  1 MW 10:00-11:30

LIFEGUARD TRAINING  EX SP 114  1 CR.
SATISFACTORY-FAIL ONLY.
PREREQ: ABILITY TO SWIM 500 YDS CONTINUOUSLY OF FRONT CRAWL, SIDESTROKE, & BREASTSTROKE;
PERFORM A STANDING & SURFACE DIVE; SWIM UNDER WATER; TREAD WATER FOR 1 MIN.; MINIMUM AGE 16
MATERIALS AND EQUIPMENT USE FEE $10.00
5668005  1 TR 2:10-3:30

WATER SAF INST PRAC  EX SP 116  1 CR.
SATISFACTORY-FAIL ONLY.
PREREQ: 115, H S 105, CPR CERTIFICATION & INSTR PERM
INSTRUCTOR PERMISSION REQUIRED, PROCESS
APPROVED ADD SLIP IN 10 ALUMNI HALL
8897005  1 ARRANGED

LIFEGUARD INSTRCTR  EX SP 117X  1 CR.
SATISFACTORY-FAIL ONLY.
PREREQ: 114 AND SUCCESSFULLY COMPLETE SWIM TEST (ENDURANCE & DEEP WATER) AND WRITTEN PRE-TEST
6178005  1 TR 2:10-3:30

WATER SPE INSTRCTR  EX SP 118X  2 CR.
SATISFACTORY-FAIL ONLY.
PREREQ: 102 AND/OR 114. STUDENTS MUST PASS SWIM TEST (ENDURANCE & DEEP WATER) AND WRITTEN PRE-TEST.
LAB WILL MEET 6 TIMES DURING THE SEMESTER
6177005  1 MW 3:10-5:00
S 9:00-10:50

BADMINTON  EX SP 122  1 CR.
SATISFACTORY-FAIL ONLY.
MATERIALS FEE $8.00
5671005  1 MW 9:00-10:20
SECT 1:JAN 10-MARCH 4
5671010  2 MW 10:00-11:20
SECT 2:JAN 10-MARCH 4

POCKET BILLIARDS  EX SP 126  1 CR.
SATISFACTORY-FAIL ONLY.
EQUIPMENT USE FEE $20.00
5673005  1 MW 9:00-9:50
5673010  2 MW 10:00-10:50

BOWLING  EX SP 129  1 CR.
SATISFACTORY-FAIL ONLY.
EQUIPMENT USE FEE $20.00
5675005  1 MW 10:00-10:50
5675010  2 MW 11:00-11:50
5675015  3 TR 12:40-1:30
5675020  4 TR 11:00-11:50
5675025  5 MW 9:00-9:50
5675030  6 TR 9:30-10:20

EXERCISE AND SPORT SCIENCE

SWIMMING I  EX SP 101  1 CR.
SATISFACTORY-FAIL ONLY.
EQUIPMENT USE FEE $3.00
5660005  1 TR 8:00-9:20
EXERCISE AND SPORT SCIENCE

GOLF I
EX SP 135 1 CR.
SATISFACTORY-FAIL ONLY.
MATERIALS AND EQUIPMENT USE FEE $30.00
5678005 1 MWF 10:00-11:20
  SECT 1: MARCH 7-MAY 6
5678010 2 MWF 11:00-12:20
  SECT 2: MARCH 7-MAY 6
5678015 3 MWF 1:10-2:30
  SECT 3: MARCH 7-MAY 6
5678020 4 MWF 9:00-10:20
  SECT 4: MARCH 7-MAY 6

RACQUETBALL
EX SP 144 1 CR.
SATISFACTORY-FAIL ONLY.
5683005 1 MWF 9:00-10:30
  SECT 1: JAN 10-APRIL 8
5683010 2 MWF 10:00-11:30
  SECT 2: JAN 10-APRIL 8

ICE SKATING
EX SP 153 1 CR.
SATISFACTORY-FAIL ONLY.
COURSE TAUGHT AT AMES/ISU ICE ARENA, SOUTHEAST OF THE TOWERS. MUST ALLOW EXTRA TIME BETWEEN THIS AND OTHER CLASSES FOR TRAVEL TO AND FROM AMES/ISU ICE ARENA. MUST PROVIDE OWN TRANSPORTATION.
EQUIPMENT USE FEE $36.50
5689005 1 TR 2:10-3:00

TENNIS I
EX SP 158 1 CR.
SATISFACTORY-FAIL ONLY.
MATERIALS FEE $10.00
5690005 1 MWF 10:00-11:20
  SECT 1: MARCH 7-MAY 6
5690010 2 MWF 11:00-12:20
  SECT 2: MARCH 7-MAY 6
5690015 3 MWF 12:10-1:30
  SECT 3: MARCH 7-MAY 6
5690020 4 MWF 1:10-2:30
  SECT 4: MARCH 7-MAY 6

TRIATHLON TRAINING
EX SP 162 1 CR.
SATISFACTORY-FAIL ONLY.
PREREQ: 102 OR EQUIVALENT SKILL
EQUIPMENT USE FEE $15.00
5713005 1 TR 2:10-3:30
  SECT 1: MARCH 7-MAY 6

WALKING FOR FITNESS
EX SP 164 1 CR.
SATISFACTORY-FAIL ONLY.
EQUIPMENT USE FEE $7.00
8867005 1 TR 11:00-12:10
8867010 2 MW 10:00-11:10
8867015 3 TR 12:10-1:20
8867020 4 MW 11:00-12:10

WEIGHT TRAINING
EX SP 166 1 CR.
SATISFACTORY-FAIL ONLY.
CREDIT IN ATH 101 MAY NOT BE APPLIED TOWARD GRADUATION IF CREDIT IS RECEIVED FOR SKILL TECHNIQUE COURSE IN THE SAME SPORT OR EX SP/P H 166 OR 167
EQUIPMENT USE FEE $5.00
5696005 1 MWF 1:10-2:00
5696010 2 MWF 2:10-3:00
5696015 3 MWF 9:00-9:50
5696020 4 MWF 10:00-10:50

EXERCISE AND SPORT SCIENCE

TAEKWONDO/KARATE I
EX SP 170 1 CR.
SATISFACTORY-FAIL ONLY.
MATERIALS FEE $10.00
5700005 1 MW 9:00-9:50
5700010 2 MW 10:00-10:50

TAEKWONDO/KARATE II
EX SP 171 1 CR.
SATISFACTORY-FAIL ONLY.
PREREQ: 170
MATERIALS FEE $15.00
5701005 1 TR 10:00-10:50

HAPKIDO/MARTL DPNSE
EX SP 173 1 CR.
SATISFACTORY-FAIL ONLY.
5702005 1 TR 11:00-11:50

VOLLEYBALL
EX SP 182 1 CR.
SATISFACTORY-FAIL ONLY.
5710005 1 TR 8:00-8:50
5710010 2 TR 9:00-9:50
5710015 3 TR 10:00-10:50
5710020 4 TR 11:00-11:50

BASIC ATHLETIC TRAIN
EX SP 220 2 CR.
PREREQ: ZOOL 155
MATERIALS FEE $45.00
INSTRUCTOR PERMISSION REQUIRED 1ST WEEK, PROCESS APPROVED ADD SLIP IN 10 ALUMNI HALL
5729005 1 TR 8:00-9:30

ATHL TRAINING PRACT
EX SP 221 1 CR.
SATISFACTORY-FAIL ONLY.
PREREQ: CREDIT OR ENROLLMENT IN 222, PERMISSION OF PROGRAM DIRECTOR
MATERIALS FEE $60.00
6654005 1 T 11:00-11:50
  ARRANGED
6654010 2 R 11:00-11:50
  ARRANGED

BASIC ATHLETIC TRNG
EX SP 222 3 CR.
PREREQ: ZOOL 255, 255L
7917005 1 TR 9:30-10:50

EVAL ATHLE INJUR II
EX SP 226 3 CR.
PREREQ: 224, PERMISSION OF PROGRAM DIRECTOR
6673005 1 TR 10:30-12:20
  ARRANGED

ATHL TRAINING PRACT
EX SP 227 1 CR.
SATISFACTORY-FAIL ONLY.
PREREQ: CR OR ENROLLMENT IN 226 AND PERMISSION OF PROGRAM DIRECTOR
6674005 1 ARRANGED

FUND OF AQUATICS
EX SP 230 1 CR.
PREREQ: 101 OR EQUIVALENT. ELIGIBILITY FOR ADMISSION TO HHP TEACHER EDUCATION PROGRAM COURSE RESTRICTED TO EX SP, HHP MAJORS ONLY
EQUIPMENT USE FEE $10.00
INSTRUCTOR PERMISSION REQUIRED 1ST WEEK, PROCESS APPROVED ADD SLIP IN 10 ALUMNI HALL
9614005 1 MW 12:40-2:00
### EXERCISE AND SPORT SCIENCE

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
<th>Prerequisites</th>
</tr>
</thead>
<tbody>
<tr>
<td>EX SP 232</td>
<td>Fund Indoor Team Sports</td>
<td>1 CR</td>
<td>PreReq: HHP Teacher Educ Program Admissible. Instructor Permission Required 1st Week, Process. Approved Add Slip in 10 Alumni Hall</td>
</tr>
<tr>
<td>EX SP 236</td>
<td>Fund Individual Sports</td>
<td>1 CR</td>
<td>PreReq: HHP Teacher Educ Program Admissible. Instructor Permission Required 1st Week, Process. Approved Add Slip in 10 Alumni Hall</td>
</tr>
<tr>
<td>EX SP 237</td>
<td>Fund Self-Defense</td>
<td>1 CR</td>
<td>PreReq: HHP Teacher Educ Program Admissible. Instructor Permission Required 1st Week, Process. Approved Add Slip in 10 Alumni Hall</td>
</tr>
<tr>
<td>EX SP 240</td>
<td>Int Strength, Equipment</td>
<td>1 CR</td>
<td>PreReq: 221, 222, Permission of Program Director. 2583005 1 TR 9:30-10:20</td>
</tr>
<tr>
<td>EX SP 245</td>
<td>Professional Support &amp; Equipment</td>
<td>3 CR</td>
<td>PreReq: Concurrent Enrollment in EX SP 280. Credit for Either EX SP 275 or EX SP 284, But Not Both, May Be Applied Toward Graduation. Materials and Equipment Use Fee $25.00. Instructor Permission Required 1st Week, Process. Approved Add Slip in 10 Alumni Hall</td>
</tr>
<tr>
<td>EX SP 250</td>
<td>Phys Fitness &amp; Cond</td>
<td>2 CR</td>
<td>PreReq: HHP Majors Only. Credit for Either EX SP 163 or EX SP 258, But Not Both, May Be Applied Toward Graduation. Professional Support and Equipment Use Fee $10.00. Available for Nonmajor Graduate Credit.</td>
</tr>
<tr>
<td>EX SP 255</td>
<td>Leadership Tech Fitness</td>
<td>2 CR</td>
<td>PreReq: 258. Course Restricted to EX SP, CHE, HHP Majors</td>
</tr>
<tr>
<td>EX SP 256</td>
<td>Athletic Training Mgmt</td>
<td>3 CR</td>
<td>PreReq: 3 Credits in Human Devol &amp; Family Studies. Credit for Either EX SP 275 or EX SP 284, But Not Both, May Be Applied Toward Graduation.</td>
</tr>
<tr>
<td>EX SP 257</td>
<td>Athletic Train Pract</td>
<td>1 CR</td>
<td>PreReq: CR or Enrollment in 326 &amp; Permission of Program Director. Available for Nonmajor Graduate Credit.</td>
</tr>
<tr>
<td>EX SP 258</td>
<td>Youth Sports</td>
<td>3 CR</td>
<td>PreReq: 255, 258, H S 110, Phys 106 or 111. Restricted to EX SP, HHP Juniors &amp; Seniors Only. Materials and Equipment Use Fee $10.00. Available for Nonmajor Graduate Credit.</td>
</tr>
<tr>
<td>EX SP 270</td>
<td>Program Coord</td>
<td>3 CR</td>
<td>PreReq: Psych 101, SP CM 212, SOC 134. Course Restricted to EX SP, HHP Majors Only. 5751005 1 W 9:00-9:50</td>
</tr>
</tbody>
</table>
EXERCISE AND SPORT SCIENCE

PHYSIOLOGY EXERCISE  EX SP 358     3 CR.
PREREQ: 255,258, H S 110, ZOOL 255,255L,256,256L
COURSE RESTRICTED TO EX SP, C H E, HHP JUNIORS & SENIORS AND HHP GRAD STUDENTS ONLY
MATERIALS AND EQUIPMENT USE FEE $35.00
AVAILABLE FOR NONMAJOR GRADUATE CREDIT.
5766005  1 MW 12:10-1:00
          T 8:00-9:40
5766010  2 MW 12:10-1:00
          T 10:00-11:40
5766015  3 MW 12:10-1:00
          T 12:10-1:50
5766020  4 MW 12:10-1:00
          T 2:10-3:50

SOC SPORT & EXERCISE  EX SP 360     3 CR.
PREREQ: 255,258, H S 110, SOC 134 AND ONE OF
STAT 101, 104 OR 226; OR EX SP 470
COURSE RESTRICTED TO EX SP JRS & SRS & HHP MAJORS
INSTRUCTOR PERMISSION REQUIRED 1ST WEEK, PROCESS
APPROVED ADD SLIP IN 10 ALUMNI HALL
5753005  1 MWF 10:00-10:50
5753010  2 MWF 11:00-11:50

SPORT PSYCHOLOGY  EX SP 365     3 CR.
PREREQ: 255,258, H S 110, PSYCH 101 OR 230
COURSE RESTRICTED TO EX SP JRS & SRS & HHP MAJORS
INSTRUCTOR PERMISSION REQUIRED 1ST WEEK, PROCESS
APPROVED ADD SLIP IN 10 ALUMNI HALL
5754005  1 TR 12:40-2:00

EXERCISE PSYCHOLOGY  EX SP 366     3 CR.
PREREQ: 255,258, H S 110, PSYCH 101 OR 230
COURSE RESTRICTED TO EX SP & C H E JRS & SRS & HHP MAJORS ONLY
5756005  1 TR 2:10-3:30

MOTOR CNTRL LIFESP  EX SP 372     3 CR.
PREREQ: 255,258, H S 110, PSYCH 101 OR 230, ZOOL 255
COURSE RESTRICTED TO EX SP JRS & SRS & HHP MAJORS.
MATERIALS AND EQUIPMENT USE FEE $10.00
9623015  A MW 1:10-2:00
9623020  B MW 1:10-2:00
9623025  C MW 2:10-3:00
9623030  D MW 2:10-3:00
R 2:10-3:50

TEACHNG PHYSICAL ED  EX SP 375     3 CR.
PREREQ: 275, A MINIMUM OF 5 FUNDAMENTALS
CLASSES, ADMISSION TO UNIVERSITY TEACHER EDUC
PROGRAM ONE OR MORE SEMESTERS PRIOR TO ENROLLMENT
5756005  1 MW 9:00-9:50
          R 8:00-10:50
5756010  2 MW 9:00-9:50
          F 8:00-10:50

EXERCISE AND SPORT SCIENCE

SEARCH STRAT EMPLOY  EX SP 385     R CR.
SATISFACTORY-FAIL ONLY.
PREREQ: JUNIOR CLASSIFICATION; TO BE TAKEN
MINIMUM OF 2 SEMESTERS PRIOR TO EX SP 485
COURSE RESTRICTED TO EX SP, HHP JUNIORS AND ABOVE
5761005  1 R 2:10-3:00
5761010  2 F 1:10-2:00

SUPR TCHG-SECONDARY  EX SP 417     8-12 CR.
PREREQ: 355,358,375,395,470,475, FULLY ADMITTED
TO TEACHER ED, MUST APPLY FOR APPROVAL TO ENROLL AT
BEGINNING OF THE SEMESTER PRIOR TO REGISTERING
PROFESSIONAL SUPPORT FEE $100.00-$200.00
9623015  A MW 1:10-2:00
R 8:00-9:40
9623020  B MW 1:10-2:00
R 10:00-11:40
9623025  C MW 2:10-3:00
R 12:10-1:50
9623030  D MW 2:10-3:00
R 2:10-3:50

ADMIN ATHLET TRAING  EX SP 425     4 CR.
PREREQ: 269, SENIOR CLASSIFICATION
1154005  1 MWF 8:00-8:50

SPORT BUSI & FINANCE  EX SP 435     3 CR.
PREREQ: 350, 352, 358, 375, 395, 470, 475
PROFESSIONAL SUPPORT FEE $100.00-$200.00
8559005  1 MWF 10:00-10:50

LEGAL ASPS OF SPORT  EX SP 445     3 CR.
PREREQ: 360
COURSE RESTRICTED TO EX SP JRS AND SRS & HHP MAJORS
8560005  1 TR 9:30-10:50

PRIN FITNESS ASSESS  EX SP 458     4 CR.
PREREQ: 358
COURSE RESTRICTED TO EX SP, C H E JRS & SRS & HHP MAJORS ONLY
INSTRUCTOR PERMISSION REQUIRED 1ST WEEK, PROCESS
APPROVED ADD SLIP IN 10 ALUMNI HALL
5767005  1 MWF 1:10-2:00
T 1:10-3:00
5767010  2 MWF 1:10-2:00
T 3:10-5:00
5767015  3 MWF 1:10-2:00
R 1:10-3:00
5767020  4 MWF 1:10-2:00
R 3:10-5:00

INTERN EXER LEADRSH  EX SP 459     1 CR.
PREREQ: C- OR BETTER IN 259, CPR CERTIFICATION, CONCURRENT ENROLLMENT IN 458
CONCURRENT ENROLLMENT IN 458 IS REQUIRED.
RESTRICTED TO EX SP, C H E JRS & SRS & HHP MAJORS ONLY.
3473005  1 ARRANGED
EXERCISE AND SPORT SCIENCE

MEDIC ASPECTS EXERC   EX SP 462   3 CR.
PREREQ: 358
COURSE RESTRICTED TO EX SP JRS & SRS & HHP MAJORS ONLY
5763005   TR 11:00-12:20

EVALUATION IN P E   EX SP 470   3 CR.
PREREQ: A MINIMUM OF FIVE FUNDAMENTALS CLASSES & ADMISSION TO UNIVERSITY TEACHER EDUCATION PROGRAM
5770005   1 TR 8:00-9:15

NEURAL BASIS HM MVT   EX SP 472X   3 CR.
PREREQ: 372 OR PSYCH 310
AVAILABLE FOR NONMAJOR GRADUATE CREDIT.
7322005   MW 3:10-4:30

FUNCTIONAL ANATOMY   EX SP 480X   3 CR.
PREREQ: ZOOL 155, 156 OR ZOOL 255
AVAILABLE FOR NONMAJOR GRADUATE CREDIT.
6175005   1 TR 11:00-12:20

INTERNSHIP EXER SCI   EX SP 485A   1-16 CR.
SATISFACTORY-FAIL ONLY.
PREREQ: C- OR BETTER IN 458 AND 459, HHP MAJORS ONLY, CUMULATIVE GPA 2.0, SENIOR CLASSIFICATION AND ADVANCE REGISTRATION
5772005   ARRANGED
DEPARTMENT PERMISSION REQUIRED, PROCESS APPROVED ADD SLIP IN 10 ALUMNI HALL

INTERNSHIP SPORTS & ACT   EX SP 485B   1-16 CR.
SATISFACTORY-FAIL ONLY.
PREREQ: HHP MAJORS ONLY, CUM GPA 2.0, SENIOR CLASSIFICATION, ADVANCE REGISTRATION
5773005   ARRANGED
DEPARTMENT PERMISSION REQUIRED, PROCESS APPROVED ADD SLIP IN 10 ALUMNI HALL

INTERNSHIP SPORT MGT   EX SP 485C   1-16 CR.
SATISFACTORY-FAIL ONLY.
PREREQ: SENIOR CLASSIFICATION, ADVANCE RESERVATION, 350, 352, 435, 445, CUMULATIVE GPA 2.0
9624005   ARRANGED
DEPARTMENT PERMISSION REQUIRED, PROCESS APPROVED ADD SLIP IN 10 ALUMNI HALL

SUPR COACH INTSCHOOL   EX SP 486   1- 3 CR.
SATISFACTORY-FAIL ONLY.
PREREQ: 220, 315, 355, 358, 365; PSYCH 230; SENIOR CLASSIFICATION, ADMISSION TO TEACHER ED PROGRAM, AND PERM OF INSTR; ADVANCE REGISTRATION REQUIRED
5774005   ARRANGED
DEPARTMENT PERMISSION REQUIRED, PROCESS APPROVED ADD SLIP IN 10 ALUMNI HALL

TRAINING PRACTICUM   EX SP 488   1- 2 CR.
SATISFACTORY-FAIL ONLY.
PREREQ: PERMISSION OF PROGRAM DIRECTOR
5775005   ARRANGED
DEPARTMENT PERMISSION REQUIRED, PROCESS APPROVED ADD SLIP IN 10 ALUMNI HALL

EXERCISE AND SPORT SCIENCE

IND STUDY EXER & SPRT   EX SP 490A   1- 3 CR.
PREREQ: 6 CR IN HHP AND PERMISSION OF COORDINATOR
INSTRUCTOR PERMISSION REQUIRED 1ST WEEK, PROCESS APPROVED ADD SLIP IN 10 ALUMNI HALL
*******   SEE DEPT FOR REFERENCE NUMBERS

IND STUDY COACHING   EX SP 490B   1- 3 CR.
PREREQ: 6 CR IN HHP AND PERMISSION OF COORDINATOR
INSTRUCTOR PERMISSION REQUIRED 1ST WEEK, PROCESS APPROVED ADD SLIP IN 10 ALUMNI HALL
*******   SEE DEPT FOR REFERENCE NUMBERS

INDEP STUDY HONORS   EX SP 490H   1- 3 CR.
PREREQ: 6 CR IN HHP AND PERMISSION OF COORDINATOR
MEMBERSHIP IN UNIV HONORS PROGRAM
INSTRUCTOR PERMISSION REQUIRED 1ST WEEK, PROCESS APPROVED ADD SLIP IN 10 ALUMNI HALL
*******   SEE DEPT FOR REFERENCE NUMBERS

ADV MEDIC ASPCT EXE   EX SP 510   2 CR.
PREREQ: 358
5782005   1 W 6:00-8:00PM

YOUTH SPORTS   EX SP 531X   3 CR.
AVAILABLE FOR NONMAJOR GRADUATE CREDIT.
5155005   1 TR 3:40-5:00

ADV PHYSIOL EXER II   EX SP 551   3 CR.
PREREQ: 505
5792005   1 M 4:10-6:00PM
W 4:10-6:00PM

ADV VERTEB PHYSL II   EX SP 552   3 CR.
PREREQ: ZOOL 355; CR OR ENRLMT IN BBMB 420 OR 404
2348005   1 MWF 2:10-3:00

NEURAL BASIS HM MVT   EX SP 572X   3 CR.
PREREQ: 372 OR PSYCH 310
7327005   MW 3:10-4:30

SPECIAL TOPICS P E   EX SP 590A   1- 3 CR.
INSTRUCTOR PERMISSION REQUIRED 1ST WEEK, PROCESS APPROVED ADD SLIP IN 10 ALUMNI HALL
*******   SEE DEPT FOR REFERENCE NUMBERS

SPL TP HEALTH PROMO   EX SP 590B   1- 3 CR.
INSTRUCTOR PERMISSION REQUIRED 1ST WEEK, PROCESS APPROVED ADD SLIP IN 10 ALUMNI HALL
*******   SEE DEPT FOR REFERENCE NUMBERS

SPL TOPCS SPORT MGT   EX SP 590C   1- 3 CR.
INSTRUCTOR PERMISSION REQUIRED 1ST WEEK, PROCESS APPROVED ADD SLIP IN 10 ALUMNI HALL
*******   SEE DEPT FOR REFERENCE NUMBERS

SPL TOP EXERC PHYSL   EX SP 590D   1- 3 CR.
INSTRUCTOR PERMISSION REQUIRED 1ST WEEK, PROCESS APPROVED ADD SLIP IN 10 ALUMNI HALL
*******   SEE DEPT FOR REFERENCE NUMBERS
EXERCISE AND SPORT SCIENCE

SPL TOP SPORT SOCIO  EX SP 590E  1- 3 CR.
INSTRUCTOR PERMISSION REQUIRED 1ST WEEK, PROCESS
APPROVED ADD SLIP IN 10 ALUMNI HALL
*******  SEE DEPT FOR REFERENCE NUMBERS

SPL TOP SPORT PSYCH  EX SP 590F  1- 3 CR.
INSTRUCTOR PERMISSION REQUIRED 1ST WEEK, PROCESS
APPROVED ADD SLIP IN 10 ALUMNI HALL
*******  SEE DEPT FOR REFERENCE NUMBERS

SPL TOP MOTOR LEARN  EX SP 590G  1- 3 CR.
INSTRUCTOR PERMISSION REQUIRED 1ST WEEK, PROCESS
APPROVED ADD SLIP IN 10 ALUMNI HALL
*******  SEE DEPT FOR REFERENCE NUMBERS

SPL TOP BIOMECHANCS  EX SP 590H  1- 3 CR.
INSTRUCTOR PERMISSION REQUIRED 1ST WEEK, PROCESS
APPROVED ADD SLIP IN 10 ALUMNI HALL
*******  SEE DEPT FOR REFERENCE NUMBERS

SUPV FIELD EXP P E  EX SP 591A  1- 6 CR.
PREREQ: 10 GRAD CR IN EX SP AND/OR RELATED AREAS
INSTRUCTOR PERMISSION REQUIRED 1ST WEEK, PROCESS
APPROVED ADD SLIP IN 10 ALUMNI HALL
*******  SEE DEPT FOR REFERENCE NUMBERS

SUP FL D EXP SPT MGT  EX SP 591C  1- 6 CR.
PREREQ: 10 GRAD CR IN EX SP AND/OR RELATED AREAS
INSTRUCTOR PERMISSION REQUIRED 1ST WEEK, PROCESS
APPROVED ADD SLIP IN 10 ALUMNI HALL
*******  SEE DEPT FOR REFERENCE NUMBERS

SUP FL D EXP EX PHYS  EX SP 591D  1- 6 CR.
PREREQ: 10 GRAD CR IN EX SP AND/OR RELATED AREA
INSTRUCTOR PERMISSION REQUIRED 1ST WEEK, PROCESS
APPROVED ADD SLIP IN 10 ALUMNI HALL
*******  SEE DEPT FOR REFERENCE NUMBERS

CREATIVE COMPONENT  EX SP 599  1- 3 CR.
INSTRUCTOR PERMISSION REQUIRED 1ST WEEK, PROCESS
APPROVED ADD SLIP IN 10 ALUMNI HALL
*******  SEE DEPT FOR REFERENCE NUMBERS

SEMINAR  EX SP 615  1- 3 CR.
INSTRUCTOR PERMISSION REQUIRED 1ST WEEK, PROCESS
APPROVED ADD SLIP IN 10 ALUMNI HALL
5812005  ARRANGED

RESEARCH  EX SP 699  1- 6 CR.
INSTRUCTOR PERMISSION REQUIRED 1ST WEEK, PROCESS
APPROVED ADD SLIP IN 10 ALUMNI HALL
*******  SEE DEPT FOR REFERENCE NUMBERS

FAMILY & CONSUMER SCIENCES ED & STUDIES

STUDNT ASSESSMT VOC  FCEDS 403  3 CR.
PREREQ: ENROLLMENT IN 413
8418005  TR 3:10-4:50, ARRANGED

CURRIC PLAN FAM&VOC  FCEDS 413  3 CR.
PREREQ: 306
MATERIALS AND PROFESSIONAL SUPPORT FEE $0.00-$15.00
3985005  TR 1:10-2:50, ARRANGED

PROG PLAN FAMILY SCI  FCEDS 415  3 CR.
PREREQ: 15 CR IN FAMILY AND CONSUMER SCIENCES
SUBJECT MATTER
AVAILABLE FOR NONMAJOR GRADUATE CREDIT.
3986005  TR 2:10-3:30

SUPR TCHG VOC FAMILY  FCEDS 417A  8 CR.
PREREQ: 413, 24 CREDITS IN FAMILY & CONSUMER SCI
SUBJECT MATTER, 2.50 CUM GPA, FULL ADMISSION TO
TEACHER EDUCATION. ADVANCE RESERVATION REQUIRED
PROFESSIONAL SUPPORT FEE $100.00
3987005  1 ARRANGED

SUPV TCHG FAMILY SCI  FCEDS 417B  3- 8 CR.
PREREQ: 413, 24 CREDITS IN FAMILY & CONSUMER SCI
SUBJECT MATTER, 2.50 CUM GPA, FULL ADMISSION TO
TEACHER EDUCATION. ADVANCE RESERVATION REQUIRED
PROFESSIONAL SUPPORT FEE $37.50-$100.00
3988005  1 ARRANGED

SUPV EXP ED SERVICE  FCEDS 418A  3- 8 CR.
PREREQ: 415, 24 CREDITS IN FAMILY & CONSUMER SCI
2313005  1 ARRANGED

SUPV EXP FCS STUDIE  FCEDS 418B  3- 8 CR.
PREREQ: 421, 24 CREDITS IN FAMILY & CONSUMER SCI
2359005  1 ARRANGED

INT'L PERSPC FAMILY  FCEDS 421  3 CR.
PREREQ: 6 CREDITS IN FAMILY AND CONSUMER SCIENCES
MEETS INTERNATIONAL PERSPECTIVES REQMT.
3991005  1 MWF 1:10-2:00

INTEGRTV FAMILY SCI  FCEDS 460  1 CR.
PREREQ: 160, SR CLASSIFICATION IN FCSED
COURSE RESTRICTED FCEDS, FCSED MAJORS ONLY
8415005  1 W 2:10-3:00
MEETING TIME VARIES BY WEEK, CHECK
SYLLABUS

INDEP STUDY GENERAL  FCEDS 490G VAR. CR.
PREREQ: DEPARTMENTAL APPROVAL
*******  SEE DEPT FOR REFERENCE NUMBERS

INDEP STUDY HONORS  FCEDS 490H VAR. CR.
PREREQ: DEPARTMENTAL APPROVAL, HONORS PROG MEMBER
*******  SEE DEPT FOR REFERENCE NUMBERS

SPL TOPICS ADMINIST  FCEDS 590B VAR. CR.
PREREQ: 6 CREDITS IN FCS OR EDUCATION
*******  SEE DEPT FOR REFERENCE NUMBERS

FCS ORIENTATION  FCEDS 110  .5- 1 CR.
SATISFACTORY-FAIL ONLY.
7813005  1 MW 12:10-1:00
SECT 1: JAN 10-MARCH 4
SECTION 1 RESTRICTED TO FRESHMEN & SPECIALS
7813010  2 S 8:00-3:00
SECT 2: JAN 29
SECTION 2 FOR TRANSFER STUDENTS ONLY
FAMILY & CONSUMER SCIENCES ED & STUDIES

SPCL TOP CURRICULUM  FCEDS 590C VAR. CR.
PREREQ: 6 CREDITS IN FCS OR EDUCATION
******* SEE DEPT FOR REFERENCE NUMBERS

SPCL TOP EVALUATION  FCEDS 590D VAR. CR.
PREREQ: 6 CREDITS IN FCS OR EDUCATION
******* SEE DEPT FOR REFERENCE NUMBERS

SPCL TOP TEACHER ED  FCEDS 590E VAR. CR.
PREREQ: 6 CREDITS IN FCS OR EDUCATION
******* SEE DEPT FOR REFERENCE NUMBERS

SPCL TOPICS GENERAL  FCEDS 590G VAR. CR.
PREREQ: 6 CREDITS IN FCS OR EDUCATION
******* SEE DEPT FOR REFERENCE NUMBERS

SPL TOP HUMAN RELAT  FCEDS 590K VAR. CR.
PREREQ: 6 CREDITS IN FCS OR EDUCATION
******* SEE DEPT FOR REFERENCE NUMBERS

SPL TOP CONSUMER ED  FCEDS 590R VAR. CR.
PREREQ: 6 CREDITS IN FCS OR EDUCATION
******* SEE DEPT FOR REFERENCE NUMBERS

PROPOSAL WRTNG/PROF  FCEDS 595X 1 CR.
SATISFACTORY-FAIL ONLY.
PREREQ: ENROLLMENT IN FCEDS GRADUATE PROGRAM, THE
MPCS PROGRAM, OR THE DIETETICS CERTIFICATE PROGRAM
INSTRUCTOR PERMISSION REQUIRED, PROCESS
APPROVED ADD SLIP IN 10 ALUMNI HALL
8135005 ARRANGED
COURSE DELIVERY IS WWW
CREATIVE COMPONENT  FCEDS 599 VAR. CR.
******* SEE DEPT FOR REFERENCE NUMBERS

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

FINANCE

PRINCIPL OF FINANCE  FIN 301 3 CR.
NIGHT EXAMINATIONS SCHEDULED.
PREREQ: ACCT 284, ECON 101, STAT 226
SECTIONS A1,B1 RESTRICTED TO BUSINESS COLLEGE
UNDERGRAD MAJORS ONLY. SECTIONS A2,B2 FOR ALL
OTHER COLLEGES. NOT OPEN TO P BUS MAJORS.
PERMISSION OF COLLEGE REQUIRED TO ADD DURING
1ST WEEK; GO TO 1200 GERDIN
3689005 A1 MWF 11:00-11:50
3689010 A2 MWF 11:00-11:50
3689015 B1 TR 5:30-6:45PM
3689020 B2 TR 5:30-6:45PM

CORPORATE FINANCE  FIN 310 3 CR.
PREREQ: 301
SECTS A1,B1,C1 RESTRICTED TO FINANCE MAJORS.
SECTS A2,B2,C2 FOR BUSINESS MAJORS ONLY. NOT OPEN
TO P BUS MAJORS OR GRADUATE STUDENTS.
PERMISSION OF COLLEGE REQUIRED TO ADD DURING
1ST WEEK; GO TO 1200 GERDIN
3691005 A1 TR 12:40-2:00
3691010 A2 TR 12:40-2:00
3691015 B1 TR 3:40-5:00
3691020 B2 TR 3:40-5:00

INVESTMENTS  FIN 320 3 CR.
PREREQ: 301
SEC A1,B1,C1 RESTRICTED TO FIN MAJORS ONLY.
SEC A2,B2,C2 FOR ACCT, BUS S, BUS U, I BUS, MGMT,
MIS, MKT, FC, TRLOG MAJORS ONLY.
PERMISSION OF COLLEGE REQUIRED TO ADD DURING
1ST WEEK; GO TO 1200 GERDIN
3692005 A1 TR 12:40-2:00
3692010 A2 TR 12:40-2:00
3692015 B1 TR 3:40-5:00
3692020 B2 TR 3:40-5:00

FINAN MKTS&INSTITUT  PIN 330 3 CR.
PREREQ: 301
COURSE RESTRICTED TO FIN MAJORS ONLY
PERMISSION OF COLLEGE REQUIRED TO ADD DURING
1ST WEEK; GO TO 1200 GERDIN
6829005 A MWF 11:00-11:50
6829010 B MWF 12:10-1:00

PERSONL RISK MGT&INS  FIN 361 3 CR.
PREREQ: ECON 101
PERMISSION OF COLLEGE REQUIRED TO ADD DURING
1ST WEEK; GO TO 1200 GERDIN
3693005 A1 MWF 10:00-10:50
SECTION A1 FOR FIN MAJORS ONLY
3693010 A2 MWF 10:00-10:50
SECTION A2 FOR MAJORS OTHER THAN FIN, P
BUS

REAL ESTATE PRINCIP  FIN 371 3 CR.
PREREQ: ECON 101
PERMISSION OF COLLEGE REQUIRED TO ADD DURING
1ST WEEK; GO TO 1200 GERDIN
3690005 A W 5:10-7:40PM

FIN FUTURES&OPTIONS  FIN 424 3 CR.
PREREQ: 320, STAT 326
COURSE RESTRICTED TO FIN MAJORS ONLY
AVAILABLE FOR NONMAJOR GRADUATE CREDIT.
PERMISSION OF COLLEGE REQUIRED TO ADD DURING
1ST WEEK; GO TO 1200 GERDIN
3697005 A TR 9:30-10:50

SECUR ANALY&PORTFOL  FIN 425 3 CR.
PREREQ: 320, STAT 326, PERMISSION OF INSTRUCTOR
7201005 A TR 2:10-3:30
COLLEGE PERMISSION REQUIRED TO ADD
DURING 1ST WEEK; GO TO 1200 GERDIN

BANK MGT DECISIONS  FIN 445 3 CR.
PREREQ: STAT 326 AND FIN 330 OR ECON 353
COURSE RESTRICTED TO FIN AND AG B MAJORS ONLY
AVAILABLE FOR NONMAJOR GRADUATE CREDIT.
PERMISSION OF COLLEGE REQUIRED TO ADD DURING
1ST WEEK; GO TO 1200 GERDIN
3696005 A MWF 9:00-9:50
FINANCE

CORPOR RISK MGT&INS  FIN 462  3 CR.
PREREQ: 301, STAT 326
COURSE FOR GRADUATE STUDENTS ONLY
AVAILABLE FOR NONMAJOR GRADUATE CREDIT.
PERMISSION OF COLLEGE REQUIRED TO ADD DURING
1ST WEEK; GO TO 1200 GERDIN
9268005  A MWF 9:00-9:50

INDEPENDENT STUDY  FIN 490  1- 3 CR.
PREREQ: 301, STAT 326, PERMISSION OF INSTRUCTOR
COURSE RESTRICTED TO FIN MAJORS ONLY
DEPARTMENT PERMISSION REQUIRED, PROCESS
APPROVED ADD SLIP IN 10 ALUMNI HALL
*******  SEE DEPT FOR REFERENCE NUMBERS

BANKING INTERNSHIP  FIN 499A  1- 3 CR.
SATISFACTORY-FAIL ONLY.
PREREQ: 330,445; STAT 326; GPA 2.5; PERMISSION OF
INTERNSHIP COORDINATOR
9403005  ARRANGED
COLLEGE PERMISSION REQUIRED TO ADD DURING
1ST WEEK; GO TO 1200 GERDIN

INSURANCE INTERNSHIP  FIN 499B  1- 3 CR.
SATISFACTORY-FAIL ONLY.
PREREQ: 361; STAT 326; GPA 2.5; PERMISSION OF
INTERNSHIP COORDINATOR
9555005  ARRANGED
COLLEGE PERMISSION REQUIRED TO ADD DURING
1ST WEEK; GO TO 1200 GERDIN

INTERNS REAL ESTATE  FIN 499C  1- 3 CR.
SATISFACTORY-FAIL ONLY.
PREREQ: 472; STAT 326; GPA 2.5; PERMISSION OF
INTERNSHIP COORDINATOR
3098005  ARRANGED
COLLEGE PERMISSION REQUIRED TO ADD DURING
1ST WEEK; GO TO 1200 GERDIN

FIN VALU&CORP DECIS  FIN 505  2 CR.
PREREQ: GRADUATE CLASSIFICATION
COURSE RESTRICTED TO BUSAD GRADUATE MAJORS
9124005  R M 8:30-11:50
F 1:10-4:30
SECT R:JAN 21-MARCH 7
MEETS MONDAYS JAN 24-MARCH 7 AND FRIDAY
JAN 21
9124010  S S 8:30-11:50
S 1:10-4:30
SECT S:JAN 15-MARCH 5
MEETS AFTERNOONS ONLY JAN 15-FEB 5.
MEETS
MORNINGS ONLY FEB 11-MARCH 5.

CASE STD FIN DECISN  FIN 515  3 CR.
PREREQ: 505
RESTRICTED TO BUSINESS COLLEGE GRADUATE STUDENTS
7163005  A W 6:00-9:30PM
SECT A:JAN 19-APRIL 13

INVESTMENTS  FIN 520  3 CR.
PREREQ: 505
RESTRICTED TO BUSINESS COLLEGE GRADUATE STUDENTS
3704010  S S 1:10-4:30

FINANCE

SPECIAL TOPICS  FIN 590  1- 3 CR.
PREREQ: PERMISSION OF INSTRUCTOR
RESTRICTED TO BUSINESS COLLEGE GRADUATE STUDENTS
*******  SEE DEPT FOR REFERENCE NUMBERS

FOOD SCIENCE & HUMAN NUTRITION

FOOD & THE CONSUMER  FS HN 101  3 CR.
PREREQ: HIGH SCHOOL BIOLOGY AND CHEMISTRY OR
3 CREDITS EACH OF BIOLOGY AND CHEMISTRY
3659005  MWF 11:00-11:50

FUND OF FOOD PREPAR  FS HN 111  3 CR.
PREREQ: 101 OR 167; H.S. CHEMISTRY OR CHEM 160
MATERIALS FEE $30.00
3602005  1 MW 1:10-2:00
3602010  2 MW 1:10-2:00
3602015  3 MW 1:10-2:00
F 1:10-4:00

INTRO HUMAN NUTRITN  FS HN 167  3 CR.
PREREQ: HIGH SCHOOL BIOLOGY OR 3 CR OF BIOLOGY
3600005  1 MWF 8:00-8:50
3600010  2 MWF 8:00-8:50
SECTION 2 RESTRICTED TO C H E, EX SP,
HHP MAJORS
3600015  3 MWF 8:00-8:50
SECTION 3 RESTRICTED TO FS A, FS P, NS
A, NS F,

ISSU FOOD SCI&NUTRI  FS HN 203  1 CR.
8685005  1 M 12:10-1:00
8685010  2 W 12:10-1:00
8685015  3 F 10:00-10:50

SCIENTIF STUDY FOOD  FS HN 214  5 CR.
PREREQ: 167 OR 261; CHEM 231 OR 331
MATERIALS FEE $35.00
3603005  1 MWF 1:10-2:00
3603010  2 MWF 1:10-2:00
TR 9:00-11:50
3603015  3 MWF 1:10-2:00
TR 1:10-4:00

FUND HUMAN NUTRITN  FS HN 261  2 CR.
PREREQ: CREDIT OR ENROLLMT IN BBMB 301 OR BIOL 302
5573005  1 WF 3:10-4:00

NUTRI ACTIV LIFSTYL  FS HN 265X  3 CR.
PREREQ: CREDIT OR ENROLLMT IN BBMB 301
6232005  1 MW 9:00-10:50

COOPERATV EDUCATION  FS HN 298  R CR.
PREREQ: PERMSN OF DEPT CHAIR; SOPH CLASSIFICATION
3551005  ARRANGED

WORLD FOOD ISSUES  FS HN 342  3 CR.
MEETS INTERNATIONAL PERSPECTIVES REQMT.
AVAIL FOR NONMAJOR GRADUATE CREDIT.
1923005  1 TR 11:00-12:20
1923010  2 MF 11:00-11:50
FOOD SCIENCE & HUMAN NUTRITION

UNIT OP FOOD PROCES FS HN 351 3 CR.
PREREQ: A COURSE IN CALCULUS, PHYS 106
AVAILABLE FOR NONMAJOR GRADUATE CREDIT.
7085005 1 MWF 9:00-9:50

HUMAN NUTRITION LAB FS HN 361 2 CR.
PREREQ: CR OR ENROLLMT IN 360; 3 CREDITS IN STAT
MATERIALS FEE $35.00
AVAILABLE FOR NONMAJOR GRADUATE CREDIT.
3608005 T 1:10-2:00
3608010 T 1:10-2:00
R 1:10-4:00

NUTRIT GROWTH & DEV FS HN 362 3 CR.
PREREQ: 360; CR OR ENROLLMT IN A PHYSIOLOGY COURSE
AVAILABLE FOR NONMAJOR GRADUATE CREDIT.
7271005 MWF 2:10-3:00

COOPERATV EDUCATION FS HN 398 R CR.
PREREQ: PERMSN OF DEPT CHAIR; JUNIOR CLASSIFICATN
3596005 1 ARRANGED

FOOD LAWS&REGL PROC FS HN 403 2 CR.
PREREQ: 3 CREDITS IN FOOD SCIENCE COURSEWORK AT
200 LEVEL OR ABOVE
AVAILABLE FOR NONMAJOR GRADUATE CREDIT.
3679005 TR 8:00-8:50

FOOD QUAL ASSURANCE FS HN 405 3 CR.
PREREQ: 214 OR 272 OR 471; STAT 101 OR 104
MATERIALS AND FIELD TRIPS & TRAVEL FEE $25.00
AVAILABLE FOR NONMAJOR GRADUATE CREDIT.
3667005 MF 1:10-2:00
W 1:10-3:00

SAFETY FOOD FROM ANIMAL FS HN 407 3 CR.
1882005 A TR 9:30-10:50

FOOD ANALYSIS FS HN 410 3 CR.
PREREQ: 203, 214 OR 311 OR BBMB 311 OR CHEM 211
MATERIALS FEE $35.00
AVAILABLE FOR NONMAJOR GRADUATE CREDIT.
3668005 1 MW 10:00-10:50
3668010 2 MW 10:00-10:50
R 9:00-11:50

FOOD PRODUCT DEVELOP FS HN 412 4 CR.
PREREQ: 311 OR 411, 471
MATERIALS FEE $40.00
AVAILABLE FOR NONMAJOR GRADUATE CREDIT.
3618005 1 TR 1:10-2:00
TR 2:10-5:00

DIETETICS MANAGEMENT FS HN 441 5 CR.
SATISFACTORY-FAIL ONLY.
PREREQ: FOR STUDENTS ENROLLED IN THE DIETETIC
INTERNSHIP PROGRAM
4314005 ARRANGED

FOOD SCIENCE & HUMAN NUTRITION

EXPER COMMUNITY DIET FS HN 445 5 CR.
SATISFACTORY-FAIL ONLY.
PREREQ: FOR STUDENTS ENROLLED IN THE DIETETIC
INTERNSHIP PROGRAM
4331005 ARRANGED

EXPERIENCE DIETETIC FS HN 446 2 CR.
SATISFACTORY-FAIL ONLY.
PREREQ: FOR STUDENTS ENROLLED IN DIETETICS
INTERNSHIP
663005 ARRANGED

COMMUNITY NUTRITION FS HN 463 3 CR.
PREREQ: 203, 362; CREDIT OR ENROLLMENT IN 466
MEETS U.S. DIVERSITY & INTL PERSPECTIVES REQMT.
AVAILABLE FOR NONMAJOR GRADUATE CREDIT.
3614005 TR 11:00-12:20

DISEASE&NUTR THER II FS HN 464 3 CR.
PREREQ: 461
4599005 A TR 9:30-10:50

NUTRIMENT COUNS&ED METH FS HN 466 3 CR.
PREREQ: 203, 362; SP CM 212
THIS IS A WORLD WIDE WEB COURSE. SCHEDULED HOURS
ARE FOR EXAMS AND PROJECT CONFERENCE.
3616005 1 MW 9:00-10:50
ARRANGED

COOPERATIVE EXPER DIETETIC FS HN 468 2 CR.
SATISFACTORY-FAIL ONLY.
PREREQ: FOR STUDENTS ENROLLED IN DIETETICS
INTERNSHIP
6885005 1 ARRANGED

SEM FOOD SCI & NUTR FS HN 480 1 CR.
PREREQ: SENIOR CLASSIFICATION IN THE DEPARTMENT
3611005 1 MW 12:10-1:00
SECT 1: JAN 10-MARCH 4
3611010 2 MW 12:10-1:00
SECT 2: JAN 10-MARCH 4
3611015 3 MW 3:10-4:00
SECT 3: JAN 10-MARCH 4

ISSUES FOOD SAFETY FS HN 489 1 CR.
PREREQ: 419 OR 420; 403; CREDIT OR ENROLLMENT
IN 101 OR 272 OR HRI 233
8347005 MW 3:10-4:00
MARCH 7-MAY 6

IND STUDY DIETETICS FS HN 490A VAR. CR.
PREREQ: PERMISSION OF INSTRUCTOR
NO MORE THAN 6 CREDITS OF FS HN 490 MAY BE
APPLIED TOWARD GRADUATION
******* SEE DEPT FOR REFERENCE NUMBERS

INDEPENDENT STUDY FOOD SCI FS HN 490B VAR. CR.
PREREQ: PERMISSION OF INSTRUCTOR
NO MORE THAN 6 CREDITS OF FS HN 490 MAY BE
APPLIED TOWARD GRADUATION
******* SEE DEPT FOR REFERENCE NUMBERS
FOOD SCIENCE & HUMAN NUTRITION

IND STUDY NUTRITION  FS HN 490C VAR. CR.
PREREQ: PERMISSION OF INSTRUCTOR
NO MORE THAN 6 CREDITS OF FS HN 490 MAY BE APPLIED TOWARD GRADUATION
******  SEE DEPT FOR REFERENCE NUMBERS

INDEPENDENT STUDY HONORS  FS HN 490H VAR. CR.
PREREQ: PERMISSION OF INSTRUCTOR, MEMBERSHIP IN UNIVERSITY HONORS PROGRAM
NO MORE THAN 6 CREDITS OF FS HN 490 MAY BE APPLIED TOWARD GRADUATION
******  SEE DEPT FOR REFERENCE NUMBERS

SUPR WORK DIETETICS  FS HN 491A VAR. CR.
SATISFACTORY-FAIL ONLY.
PREREQ: ADVANCE APPROVAL OF INSTRUCTOR, ADVISER AND DEPARTMENT CHAIR
COURSE ONLY OFFERED FOR 1-3 CREDITS SPRING 2005.
A MAXIMUM OF 3 CREDITS IN FS HN 491A,B,C MAY BE APPLIED TOWARD GRADUATION.
******  SEE DEPT FOR REFERENCE NUMBERS

SUPR WORK FOOD SCI  FS HN 491B VAR. CR.
SATISFACTORY-FAIL ONLY.
PREREQ: ADVANCE APPROVAL OF INSTRUCTOR, ADVISER AND DEPARTMENT CHAIR
COURSE ONLY OFFERED FOR 1-3 CREDITS SPRING 2005.
A MAXIMUM OF 3 CREDITS IN FS HN 491A,B,C MAY BE APPLIED TOWARD GRADUATION.
******  SEE DEPT FOR REFERENCE NUMBERS

SUPR WORK NUTRITION  FS HN 491C VAR. CR.
SATISFACTORY-FAIL ONLY.
PREREQ: ADVANCE APPROVAL OF INSTRUCTOR, ADVISER AND DEPARTMENT CHAIR
COURSE ONLY OFFERED FOR 1-3 CREDITS SPRING 2005.
A MAXIMUM OF 3 CREDITS IN FS HN 491A,B,C MAY BE APPLIED TOWARD GRADUATION.
******  SEE DEPT FOR REFERENCE NUMBERS

COOPERATIVE EDUCATION  FS HN 498 R CR.
PREREQ: PERMISSION OF DEPT CHAIR; SENIOR CLASSIFICATION
3601005  1 ARRANGED

UNDERGRAD RESEARCH  FS HN 499 VAR. CR.
PREREQ: PERMISSION OF STAFF MEMBER WITH WHOM STUDENT PROPOSES TO WORK
A MAXIMUM OF 6 CREDITS OF FS HN 499 MAY BE APPLIED TOWARD GRADUATION
******  SEE DEPT FOR REFERENCE NUMBERS

ADVANCED FOOD SCI-CHEM  FS HN 502  1 CR.
PREREQ: 3 CREDITS IN ORGANIC CHEMISTRY
3606005  1 TR 2:10-3:30
SECT 1: JAN 10-FEB 11

ADVANCED FOOD SCI-PROCES  FS HN 503  1 CR.
PREREQ: 3 CREDITS EACH IN PHYSICS AND MATH
3625005  1 TR 2:10-3:30
SECT 1: APRIL 4-MAY 6

FOOD SCIENCE & HUMAN NUTRITION
ADVANCED FOOD SCI-MICROB  FS HN 504  1 CR.
PREREQ: 3 EACH MICROBIOLOGICAL & ORGANIC CHEMISTRY
3632005  1 TR 2:10-3:30
SECT 1: FEB 15-MARCH 24

SAFETY FROM ANIMAL  FS HN 507  3 CR.
2196005  A TR 9:30-10:50

FOOD PRODUCT DEVELOPMENT  FS HN 512  4 CR.
PREREQ: 311 OR 411, 471
MATERIALS FEE $40.00
5580005  1 TR 1:10-2:00
TR 2:10-5:00

INTRO DNA TECHNOLOGY  FS HN 542A  1 CR.
SATISFACTORY-FAIL ONLY.
7123005  TR 1:10-2:00
TR 2:10-4:00
JAN 11-FEB 10

ADVANCED FOOD SCI-MICROB  FS HN 542B  1 CR.
SATISFACTORY-FAIL ONLY.
7124005  TR 1:10-2:00
TR 2:10-4:00
FEB 15-MARCH 24

INTRO CELL TECHNOLOGY  FS HN 542C  1 CR.
SATISFACTORY-FAIL ONLY.
7130005  TR 1:10-2:00
TR 2:10-4:00
MARCH 29-APRIL 28

INTRO PLANT TRANSFORMATION  FS HN 542D  1 CR.
SATISFACTORY-FAIL ONLY.
7131005  ARRANGED
FEB 9-APRIL 10

PROF DEVEL ASSESSMENT  FS HN 548  1 CR.
SATISFACTORY-FAIL ONLY.
PREREQ: CONCURRENT ENROLLMENT IN DIETETIC INTERNSHIP OR MFCS DIETETIC OPTION
6980005  ARRANGED
FEB 9-APRIL 10

BIOCHEMISTRY & MACRONUTRITION  FS HN 553  3 CR.
PREREQ: BBMB 420, OR BBMB 404 AND CREDIT OR ENROLLMENT IN BBMB 405
7794005  TR 3:40-5:00

ASSESSMENT NUTRITION STATUS  FS HN 562  3 CR.
PREREQ: 461/561 OR 553
5596005  T 5:30-8:30PM

DIETETIC NUTRITION THERAPY II  FS HN 564  3 CR.
PREREQ: 561
5598005  A TR 9:30-10:50

NUTRITION COUNSELING AND THERAPY  FS HN 566  3 CR.
PREREQ: GRADUATE STUDENT STATUS
THIS IS A WORLD WIDE WEB COURSE. SCHEDULED HOURS ARE FOR EXAMS AND PROJECT CONFERENCE.
2223005  1 MW 9:00-10:50
ARRANGED
COURSE DELIVERY IS WWW
FOOD SCIENCE & HUMAN NUTRITION

SEMINAR  
FS HN 581  1 CR.  
SATISFACTORY-FAIL ONLY.  
7974005  T 11:00-11:50

SPCL TOPICS NUTRITN  
FS HN 590A VAR.  CR.  
PREREQ: INSTRUCTOR PERMISSION  
*******  SEE DEPT FOR REFERENCE NUMBERS

SPL TOPICS FOOD SCI  
FS HN 590B VAR.  CR.  
PREREQ: INSTRUCTOR PERMISSION  
*******  SEE DEPT FOR REFERENCE NUMBERS

SPL TOPICS TEACHING  
FS HN 590C VAR.  CR.  
PREREQ: PERMISSION OF INSTRUCTOR  
COURSE ONLY OFFERED FOR 1 CREDIT SPRING 2005  
*******  SEE DEPT FOR REFERENCE NUMBERS

WORKSHOP  
FS HN 593 VAR. CR.  
PREREQ: PERMISSION OF INSTRUCTOR  
3646005 ARRANGED  
WORKSHOP FEE APPLIES

PROPOSAL WRTNG/PROF  
FS HN 595X 1 CR.  
SATISFACTORY-FAIL ONLY.  
PREREQ: ENROLLMENT IN FCDS GRADUATE PROGRAM, THE MFCS PROGRAM, OR THE DIETETICS CERTIFICATE PROGRAM  
INSTRUCTOR PERMISSION REQUIRED, PROCESS APPROVED ADD SLIP IN 10 ALUMNI HALL  
8122005 COURSE DELIVERY IS WWW

CREATIVE COMPONENT  
FS HN 599 VAR. CR.  
3213005 ARRANGED

INSTRU MEAS FD QUAL  
FS HN 606 3 CR.  
PREREQ: 311 OR 411 OR 502 OR BBMB 404  
MATERIALS FEE $30.00  
3649005 1 TR 9:00-9:50  
R 10:00-12:50

FOOD CARBOHYDRATES  
FS HN 614 3 CR.  
PREREQ: 311 OR 411 OR 502 OR BBMB 404  
3684005  MWF 1:10-2:00

NATURAL TOXINS  
FS HN 643 3 CR.  
PREREQ: COURSES IN BIOCHEMISTRY AND PHYSIOLOGY  
8173005 ARRANGED

MODERN VIEWS NUTR  
FS HN 680  R CR.  
3656005  W 4:10-5:00

SEMINAR  
FS HN 681  1 CR.  
3648005  W 4:10-5:00

RESEARCH NUTRITION  
FS HN 699A VAR. CR.  
SATISFACTORY-FAIL ONLY.  
*******  SEE DEPT FOR REFERENCE NUMBERS

RESEARCH FOOD SCI  
FS HN 699B VAR. CR.  
SATISFACTORY-FAIL ONLY.  
*******  SEE DEPT FOR REFERENCE NUMBERS

FOREIGN LANGUAGES & LITERATURES

STUDNT TCH FRN LANG  
P LNG 417G VAR. CR.  
PROMOTIONAL SUPPORT FEE $100.00-$200.00  
8139005 1 ARRANGED  
SECT 1: JAN 10-APRIL 8  
SECTION 1 OFFERED FOR 12 CREDITS

8139010 2 ARRANGED  
SECT 2: FEB 7-MAY 6  
SECTION 2 OFFERED FOR 12 CREDITS

8139015 3 ARRANGED  
SECT 3 OFFERED FOR 8 CREDITS.  
INSTRUCTOR PERMISSION REQUIRED, PROCESS APPROVED ADD SLIP IN 10 ALUMNI HALL

FORESTRY

WOOD ANAT &PROPERTI  
FOR 280 4 CR.  
1420005 A TR 9:30-10:50  
T 12:10-3:00

PESTICIDE APPL CERT  
FOR 283 2 CR.  
5219005 MW 2:10-3:00

SILVICULTURE  
FOR 301 3 CR.  
PREREQ: 201  
FIELD TRIPS & TRAVEL FEE $10.00  
AVAILABLE FOR NONMAJOR GRADUATE CREDIT.  
3718005 A MF 2:10-3:00  
W 2:10-5:00

FOREST PEST MGT  
FOR 416 4 CR.  
PREREQ: 8 CR IN BIOL SCI, INCLUDING BIOL 201  
FIELD TRIPS & TRAVEL FEE $10.00  
AVAILABLE FOR NONMAJOR GRADUATE CREDIT.  
3729005 1 TR 11:00-12:20  
T 12:10-3:00

FOREST RESOUR ECON  
FOR 451 4 CR.  
PREREQ: 203, ECON 101, MATH 150  
AVAILABLE FOR NONMAJOR GRADUATE CREDIT.  
3731005 A MW 10:00-10:50  
R 3:10-6:00PM

RESOURCE POLICY&ADM  
FOR 453 3 CR.  
PREREQ: 451  
AVAILABLE FOR NONMAJOR GRADUATE CREDIT.  
3733005 A MW 1:10-2:00

FORESTRY PRACTICUM  
FOR 454 3 CR.  
PREREQ: 20 CREDITS IN STUDENT’S MAJOR AT 300-LEVEL OR ABOVE  
MATERIALS FEE $10.00  
AVAILABLE FOR NONMAJOR GRADUATE CREDIT.  
INSTRUCTOR PERMISSION REQUIRED 1ST WEEK, PROCESS APPROVED ADD SLIP IN 10 ALUMNI HALL  
3734005 A F 9:00-9:50  
MW 8:00-9:50

URBN FOR PLAN&POLCY  
FOR 476 2 CR.  
PREREQ: 475, SENIOR CLASSIFICATION  
AVAILABLE FOR NONMAJOR GRADUATE CREDIT.  
5628005 A TR 8:00-8:50
FORESTRY

RESOURCE ALLOCATION FOR 570 3 CR.
PREREQ: 451 OR TWO COURSES IN ECONOMICS
3757005 A WF 3:10-4:00
M 3:10-6:00PM

CR COMP FOR BIOLOGY FOR 599A 1-8 CR.
INSTRUCTOR PERMISSION REQUIRED 1ST WEEK, PROCESS
APPROVED ADD SLIP IN 10 ALUMNI HALL
******* SEE DEPT FOR REFERENCE NUMBERS

CR COMP FOR BIOMTRY FOR 599B 1-8 CR.
INSTRUCTOR PERMISSION REQUIRED 1ST WEEK, PROCESS
APPROVED ADD SLIP IN 10 ALUMNI HALL
******* SEE DEPT FOR REFERENCE NUMBERS

CR COMP FOR BIOECON FOR 599C 1-8 CR.
INSTRUCTOR PERMISSION REQUIRED 1ST WEEK, PROCESS
APPROVED ADD SLIP IN 10 ALUMNI HALL
******* SEE DEPT FOR REFERENCE NUMBERS

CR COMP FOR MGT&ADM FOR 599D 1-8 CR.
INSTRUCTOR PERMISSION REQUIRED 1ST WEEK, PROCESS
APPROVED ADD SLIP IN 10 ALUMNI HALL
******* SEE DEPT FOR REFERENCE NUMBERS

CRTV COMPO WOOD SCI FOR 599E 1-8 CR.
INSTRUCTOR PERMISSION REQUIRED 1ST WEEK, PROCESS
APPROVED ADD SLIP IN 10 ALUMNI HALL
******* SEE DEPT FOR REFERENCE NUMBERS

TREE GROWTH & DEVEL FOR 603 4 CR.
PREREQ: 301 OR A COURSE IN PLANT PHYSIOLOGY
3779005 ARRANGED

SEM PLT PHYSL,MOLEC FOR 696 1 CR.
7760005 W 4:10-5:00

FOREST BIOLOGY RSRCH FOR 699A 1-9 CR.
INSTRUCTOR PERMISSION REQUIRED 1ST WEEK, PROCESS
APPROVED ADD SLIP IN 10 ALUMNI HALL
******* SEE DEPT FOR REFERENCE NUMBERS

FOR BIOMETRY RSRCH FOR 699B 1-9 CR.
INSTRUCTOR PERMISSION REQUIRED 1ST WEEK, PROCESS
APPROVED ADD SLIP IN 10 ALUMNI HALL
******* SEE DEPT FOR REFERENCE NUMBERS

FOR ECONOMICS RSRCH FOR 699C 1-9 CR.
INSTRUCTOR PERMISSION REQUIRED 1ST WEEK, PROCESS
APPROVED ADD SLIP IN 10 ALUMNI HALL
******* SEE DEPT FOR REFERENCE NUMBERS

FOR MGT&ADMIN RSRCH FOR 699D 1-9 CR.
INSTRUCTOR PERMISSION REQUIRED 1ST WEEK, PROCESS
APPROVED ADD SLIP IN 10 ALUMNI HALL
******* SEE DEPT FOR REFERENCE NUMBERS

WOOD SCIENCE RSRCH FOR 699E 1-9 CR.
INSTRUCTOR PERMISSION REQUIRED 1ST WEEK, PROCESS
APPROVED ADD SLIP IN 10 ALUMNI HALL
******* SEE DEPT FOR REFERENCE NUMBERS

FOREST PLANT PHYSIOLOGY FOR 699F 1-9 CR.
INSTRUCTOR PERMISSION REQUIRED 1ST WEEK, PROCESS
APPROVED ADD SLIP IN 10 ALUMNI HALL
******* SEE DEPT FOR REFERENCE NUMBERS

FRENCH

ELEMENTRY FRENCH II FRNCH 102 4 CR.
PREREQ: 101 OR 97
STUDENTS WHO HAVE COMPLETED 3 OR MORE YRS OF HIGH
SCHOOL FRENCH MAY NOT ENROLL IN 102. CREDIT FOR ONLY
ONE OF FRNCH 110, FRNCH 160, OR THE FRNCH 101-102
SEQUENCE MAY BE APPLIED TOWARD GRADUATION.
MATERIALS AND EQUIPMENT USE FEE $20.00
MEETS INTERNATIONAL PERSPECTIVES REQMT.
3804005 1 MTWRF 9:00-9:50
3804015 2 MTWRF 10:00-10:50
3804020 3 MTWRF 11:00-11:50
3804025 4 MTWRF 1:10-2:00

INTERMED FRENCH II FRNCH 202 4 CR.
PREREQ: 201
MATERIALS AND EQUIPMENT USE FEE $20.00
MEETS INTERNATIONAL PERSPECTIVES REQMT.
3809005 1 MTWRF 10:00-10:50
3809010 2 MTWRF 1:10-2:00

BUSINESS FRENCH FRNCH 304 3 CR.
PREREQ: 301
MATERIALS AND EQUIPMENT USE FEE $20.00
MEETS INTERNATIONAL PERSPECTIVES REQMT.
5887005 TR 9:30-10:50

PRONUNCIAT&PHONETCS FRNCH 310 1 CR.
PREREQ: CREDIT OR CONCURRENT ENROLLMENT IN 301
MATERIALS AND EQUIPMENT USE FEE $20.00
6201005 M 2:10-3:00

TEXTUAL ANALYSIS FRNCH 314 3 CR.
PREREQ: 301
6179005 1 TR 12:40-2:00
6179010 2 TR 2:10-3:30

FRNCH LIT TRADITION FRNCH 334 3 CR.
MEETS INTERNATIONAL PERSPECTIVES REQMT.
3815005 MWF 1:10-2:00

MODERN FRANCE&CIVILZ FRNCH 472 3-4 CR.
PREREQ: FOR FOURTH CREDIT: 314
MEETS INTERNATIONAL PERSPECTIVES REQMT.
3815005 MWF 1:10-2:00

INDEPENDENT STUDY FRNCH 490 1-6 CR.
PREREQ: PERMISSION OF FRENCH STAFF AND DEPT CHAIR
NO MORE THAN 9 CREDITS IN FRNCH 490 MAY BE
APPLIED TOWARD GRADUATION
PERMISSION OF DEPARTMENT CHAIR REQUIRED,
PROCESS APPROVED ADD SLIP IN 10 ALUMNI HALL
******* SEE DEPT FOR REFERENCE NUMBERS
FRENCH

FRENCH INTERNSHIP  FRNCH 499  1- 3 CR.
SATISFACTORY-FAIL ONLY.
PREREQ: 9 CREDITS OF FRENCH AT THE 300 LEVEL;
PERMISSION OF ADVISOR AND FOREIGN LANGUAGE AND
LITERATURE INTERNSHIP COORDINATOR
DEPARTMENT PERMISSION REQUIRED, PROCESS
APPROVED ADD SLIP IN 10 ALUMNI HALL

GENETICS

ISSUES IN GENETICS  GEN 121X  3 CR.
7580005  W 4:10-7:00PM

COOPERATIVE EDUCATION  GEN 298  R CR.
PREREQ: PERMISSION OF DEPT COOPERATIVE EDUCATION
COORDINATOR; SOPHOMORE CLASSIFICATION
4225005  ARRANGED

PRINCIP OF GENETICS  GEN 301  3 CR.
PREREQ: BIOL 201L AND 202L, CREDIT OR ENROLLMENT
IN ORGANIC CHEMISTRY
CREDIT FOR ONLY ONE OF THE FOLLOWING MAY BE
APPLIED TOWARD GRADUATION: GEN 260, GEN/Biol 301 AND
301L, GEN/AGRON 320
9559005  1 MWF 1:10-2:00

GENETICS LABORATORY  GEN 301L  1 CR.
PREREQ: CREDIT OR ENROLLMENT IN 301
CREDIT FOR ONLY ONE OF THE FOLLOWING MAY BE
APPLIED TOWARD GRADUATION: GEN 260, GEN/Biol 301 AND
301L, GEN/AGRON 320
MATERIALS FEE $40.00
9560005  1 T 9:00-9:50
9560010  2 T 1:10-2:00
9560015  3 T 6:00-6:50PM
T 7:00-8:50PM
9560020  4 R 9:00-9:50
9560025  5 R 1:10-2:00
9560030  6 R 6:00-6:50PM
R 7:00-8:50PM

BIOTEC AG,FOOD,HLTH  GEN 308  3 CR.
PREREQ: BIOL 201 AND 202
5280005  ARRANGED
COURSE DELIVERY IS WWW
SECTION INFO:
http://project.bio.iastate.edu/

MOLECULAR GENETICS  GEN 411  3 CR.
PREREQ: BIOL 302
AVAILABLE FOR NONMAJOR GRADUATE CREDIT.
3832005  A MWF 9:00-9:50

EVOLUTIONARY GENETICS  GEN 462  3 CR.
PREREQ: BIOL 303
AVAILABLE FOR NONMAJOR GRADUATE CREDIT.
3835005  TR 9:30-10:50

GENETICS RESEARCH  GEN 490R  1- 5 CR.
PREREQ: 301, JR/SR CLASSIFICATION, INSTR PERMSN
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.

SEMESTER ATTENDANCE  GEN 490S  1 CR.
SATISFACTORY-FAIL ONLY.
PREREQ: 301, JR/SR CLASSIFICATION, INSTR PERMSN
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.

LAB TECH EXPERIENCE  GEN 490U  1- 2 CR.
SATISFACTORY-FAIL ONLY.
PREREQ: 301, JR/SR CLASSIFICATION, INSTR PERMSN
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.

COOPERATIVE EDUCATION  GEN 498  R CR.
PREREQ: PERMISSION OF DEPT COOPERATIVE EDUCATION
COORDINATOR; SENIOR CLASSIFICATION
4281005  ARRANGED

MOLECULAR GENETICS  GEN 511  3 CR.
PREREQ: BIOL 301 AND BBMB 405
7342005  A MWF 9:00-9:50

PLANT GROWTH&DEVELP  GEN 512  2 CR.
PREREQ: BOT 320 OR A COURSE IN DEVELOPMENT BIOL;
545 OR BBMB 404, 405 OR GEN 520
3513005  MW 10:00-10:50

STAT MOLECULAR GENET  GEN 537  3 CR.
PREREQ: 536
3845005  TR 3:40-5:00


GENETICS

COMP GENOMICS & EVOL GEN 556 3 CR.
   PREREQ: BIOL 301
   6761005   TR 3:40-5:00

EVOLUTNARY GENETICS GEN 562 3 CR.
   PREREQ: BIOL 303
   3847005   TR 9:30-10:50

PRO PRACTC RESEARCH GEN 565A .5 CR.
   PREREQ: GRADUATE LEVEL STANDING OR PERMISSION OF INSTRUCTOR
   7873005   1 T 12:10-1:00
   7873010   2 ARRANGED

PRO PRAC INTEL PROP GEN 565B .5 CR.
   PREREQ: GRADUATE LEVEL STANDING OR PERMISSION OF INSTRUCTOR
   7875005   ARRANGED

PRO LIFE SCIETHICS GEN 565C .5 CR.
   PREREQ: GRADUATE CLASSIFICATION
   1915005   ARRANGED

PRO PLNT BREED ETHC GEN 565D .5 CR.
   7388005   R 1:10-3:00

SPECIAL TOPICS GEN 590 1-3 CR.
   PREREQ: 301 OR 320
   ******** SEE DEPT FOR REFERENCE NUMBERS

COMPUTNL MOLEC BIOL GEN 594 3 CR.
   PREREQ: BCB 484, BCB 495, STAT 432 OR EQUIVALENT
            COURSES AND PROGRAMMING EXPERIENCE (C, C++, OR PERL)
   5658005   TR 9:30-10:50

SEM PLT PHYSL, MOLEC GEN 696 1 CR.
   8062005   W 4:10-5:00

SEMINAR IN MCDB GEN 698 1-2 CR.
   COURSE OFFERED FOR 1 CREDIT ONLY SPRING 2005
   3856005   M 3:10-5:00

RESEARCH GEN 699 VAR. CR.
   ******** SEE DEPT FOR REFERENCE NUMBERS

GENETICS - INTERDISCIPLINARY

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

WORKSHP IN GENETICS GENET 591 1 CR.
   PREREQ: PERMISSION OF INSTRUCTOR
   9313005   W 3:10-4:00

GRAD RESEARCH ROTAT GENET 697 VAR. CR.
   9316005   SR ARRANGED

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

GEOLOGY

THE EARTH GEOL 100 3 CR.
   3870005   A MWF 11:00-11:50
   3870010   B MWF 1:10-2:00

THE EARTH: LAB GEOL 100L 1 CR.
   PREREQ: CREDIT OR ENROLLMENT IN 100
   MATERIALS AND FIELD TRIPS & TRAVEL FEE $15.00
   7595005   1 T 10:00-11:50
   7595010   2 T 1:10-3:00
   7595015   3 R 1:10-3:00
   7595020   4 R 10:00-11:50

ENVIRONMNTL GEOLOGY GEOL 101 3 CR.
   7596005   A MWF 10:00-10:50

HISTORY OF EARTH GEOL 102 3 CR.
   PREREQ: 100 OR 201
   3874005   A MWF 10:00-10:50

HIST OF EARTH: LAB GEOL 102L 1 CR.
   PREREQ: CREDIT OR ENROLLMENT IN 102
   MATERIALS FEE $0.00
   7597005   R 3:10-5:00

INDEPENDENT STUDY GEOL 290 2-4 CR.
   PREREQ: PERMISSION OF INSTRUCTOR
   ******** SEE DEPT FOR REFERENCE NUMBERS

COOPERATIVE EDUC GEOL 298 R CR.
   PREREQ: 100 OR 201, 201, 202, 202L, PERMISSION OF DEPT COOP EDUC COORDINATOR; SOPH CLASSIFICATION
   4828005   ARRANGED

ENERGY & THE ENVIRON GEOL 324 3 CR.
   MTEOR/GEOL/ENV S 324 DOES NOT APPLY TOWARD CREDITS REQUIRED IN THE MTEOR MAJOR
   FIELD TRIPS & TRAVEL FEE $0.00-$50.00
   3045005   1 MWF 11:00-11:50

STRUCTURAL GEOLOGY GEOL 356 5 CR.
   PREREQ: 100 OR 201, MATH 165 OR 181, PHYS 111 OR 221 (PREFERRED)
   MATERIALS AND FIELD TRIPS & TRAVEL FEE $0.00-$95.00
   AVAILABLE FOR NONMAJOR GRADUATE CREDIT.
   3882005   A MWF 9:00-9:50
             TR 9:00-11:50

PETROLOGY GEOL 365 5 CR.
   PREREQ: 311
   FIELD TRIPS & TRAVEL FEE $0.00-$99.00
   AVAILABLE FOR NONMAJOR GRADUATE CREDIT.
   3883005   1 MWF 3:10-4:00
             TR 2:10-5:00

COOPERATIVE EDUC GEOL 398 R CR.
   PREREQ: 100 OR 201, 100L, 102, 102L, PERMISSION OF DEPT COOP EDUC COORDINATOR; JUNIOR CLASSIFICATION
   4829005   ARRANGED

ENVIRONM BIOGEOCHEM GEOL 403 4 CR.
   PREREQ: ENSCI 330 OR PERMISSION OF INSTRUCTOR
   AVAILABLE FOR NONMAJOR GRADUATE CREDIT.
   4727005   MWF 1:10-2:00
             W 2:10-4:00
# GEOLOGY

## PALEOCLIMATOLOGY

**Course:** GEOL 415X  
**Credit:** 3 CR.  
**Prerequisite:** Four courses in the physical or biological sciences at the 200 level or above  
**Meeting Times:** MWF 11:00-11:50

## CONTAMIN HYDROGEOLOG

**Course:** GEOL 434  
**Credit:** 3 CR.  
**Prerequisite:** 411 or equivalent  
**Materials Fee:** $15.00  
**Availability:** Nonmajor Graduate Credit  
**Meeting Times:** TR 11:00-12:20

## APPL&ENVIR GEOPHYS

**Course:** GEOL 451  
**Credit:** 3 CR.  
**Prerequisite:** 100 or 201; MATH 165 or equivalent experience  
**Availability:** Nonmajor Graduate Credit  
**Meeting Times:** MW 10:00-10:50, F 8:00-9:50

## GLACIAL &QUATERNARY

**Course:** GEOL 474  
**Credit:** 3 CR.  
**Prerequisite:** 100 or 201 or equivalent experience  
**Field Trips & Travel Fee:** $0.00-$70.00  
**Availability:** Nonmajor Graduate Credit  
**Meeting Times:** TR 9:30-10:20, R 12:40-2:40

## UNDERGRAD SEMINAR

**Course:** GEOL 495X  
**Credit:** 1 CR.  
**Prerequisite:** Junior or senior classification in geology or permission of instructor  
**Meeting Times:** F 4:10-6:00PM

## COOPERATIVE EDUCATN

**Course:** GEOL 498  
**Credit:** R CR.  
**Prerequisite:** GEOL 100 or 201, 100L, 102, 102L, permission of Dept Coop Educ Coordinator, senior classification  
**Meeting Times:** Arranged

## PALEOCLIMATOLOGY

**Course:** GEOL 515X  
**Credit:** 3 CR.  
**Prerequisite:** Four courses in the physical or biological sciences at the 200 level or above  
**Meeting Times:** MWF 11:00-11:50

## CONTAMIN HYDROGEOLOG

**Course:** GEOL 534  
**Credit:** 3 CR.  
**Prerequisite:** 511 or equivalent  
**Materials Fee:** $15.00  
**Meeting Times:** TR 11:00-12:20

## APPL&ENVIR GEOPHYS

**Course:** GEOL 551  
**Credit:** 3 CR.  
**Prerequisite:** 100 or 201; MATH 165 or equivalent experience  
**Meeting Times:** MW 10:00-10:50, F 8:00-9:50

## GLACIAL &QUATERNARY

**Course:** GEOL 574  
**Credit:** 3 CR.  
**Prerequisite:** 100 or 201  
**Field Trips & Travel Fee:** $0.00-$70.00  
**Meeting Times:** TR 9:30-10:20, R 12:40-2:40

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**SPL TOP SURFIC PROC** GEOL 590A  
**Credit:** 1-3 CR.  
**Prerequisite:** Permission of Instructor  
**Meeting Times:** See Dept for Reference Numbers

**SPL TOP STRATIGRAPH** GEOL 590B  
**Credit:** 1-3 CR.  
**Prerequisite:** Permission of Instructor  
**Meeting Times:** See Dept for Reference Numbers

**SPL TOP SEDIMENTATN** GEOL 590C  
**Credit:** 1-3 CR.  
**Prerequisite:** Permission of Instructor  
**Meeting Times:** See Dept for Reference Numbers

**SPL TOP PALEонтOLGY** GEOL 590D  
**Credit:** 1-3 CR.  
**Prerequisite:** Permission of Instructor  
**Meeting Times:** See Dept for Reference Numbers

**SPL TOPCS PETROLOGY** GEOL 590E  
**Credit:** 1-3 CR.  
**Prerequisite:** Permission of Instructor  
**Meeting Times:** See Dept for Reference Numbers

**SPCL TOP STRUCTURAL** GEOL 590F  
**Credit:** 1-3 CR.  
**Prerequisite:** Permission of Instructor  
**Meeting Times:** See Dept for Reference Numbers

**SPCL TOPICS GEOCHEM** GEOL 590G  
**Credit:** 1-3 CR.  
**Prerequisite:** Permission of Instructor  
**Meeting Times:** See Dept for Reference Numbers

**SPL TOPCS HYDROGEOLOG** GEOL 590H  
**Credit:** 1-3 CR.  
**Prerequisite:** Permission of Instructor  
**Meeting Times:** See Dept for Reference Numbers

**SPL TOPCS EARTH SCI** GEOL 590I  
**Credit:** 1-3 CR.  
**Prerequisite:** Permission of Instructor  
**Meeting Times:** See Dept for Reference Numbers

**SPL TOP MIN RESOURC** GEOL 590J  
**Credit:** 1-3 CR.  
**Prerequisite:** Permission of Instructor  
**Meeting Times:** See Dept for Reference Numbers

**SPCL TOP GEOPHYSICS** GEOL 590K  
**Credit:** 1-3 CR.  
**Prerequisite:** Permission of Instructor  
**Meeting Times:** See Dept for Reference Numbers

**SPCL TOP MINERALOGY** GEOL 590L  
**Credit:** 1-3 CR.  
**Prerequisite:** Permission of Instructor  
**Meeting Times:** See Dept for Reference Numbers

**SPL TOPCS TECTONICS** GEOL 590M  
**Credit:** 1-3 CR.  
**Prerequisite:** Permission of Instructor  
**Meeting Times:** See Dept for Reference Numbers

**SP TOP PALEOECO&CLI** GEOL 590N  
**Credit:** 1-3 CR.  
**Prerequisite:** Permission of Instructor  
**Meeting Times:** See Dept for Reference Numbers

**SPL TOP ISOTP GCHEM** GEOL 590O  
**Credit:** 1-3 CR.  
**Prerequisite:** Permission of Instructor  
**Meeting Times:** See Dept for Reference Numbers

**SPL TOP COMPUTA&GIS** GEOL 590P  
**Credit:** 1-3 CR.  
**Prerequisite:** Permission of Instructor  
**Meeting Times:** See Dept for Reference Numbers
GEOLOGY

GRADUATE SEMINAR GEOL 595A 1 CR.
SATISFACTORY-FAIL ONLY.
8219005 F 4:10-6:00PM
GRADUATE SEMINAR GEOL 595B R CR.
SATISFACTORY-FAIL ONLY.
8220005 F 4:10-6:00PM
CREATIVE COMPONENT GEOL 599 VAR. CR.
******* SEE DEPT FOR REFERENCE NUMBERS
ADV SEM EARTH MTRLS GEOL 610A 1-3 CR.
PREREQ: GRADUATE STANDING & INSTRUCTOR PERMISSION
7605005 ARRANGED
ADV SEM ECONOM GEOL GEOL 610B 1-3 CR.
PREREQ: GRADUATE STANDING & INSTRUCTOR PERMISSION
7609005 ARRANGED
ADV SEM GEOTECTONIC GEOL 610E 1-3 CR.
PREREQ: GRADUATE STANDING & INSTRUCTOR PERMISSION
7606005 ARRANGED
ADV SEM HYDROGEOLOGY GEOL 610F 1-3 CR.
PREREQ: GRADUATE STANDING & INSTRUCTOR PERMISSION
7604005 ARRANGED
ADV SEM SURFIC PROC GEOL 610G 1-3 CR.
PREREQ: GRADUATE STANDING & INSTRUCTOR PERMISSION
7608005 ARRANGED
ADV SEM SED&STRATIG GEOL 610H 1-3 CR.
PREREQ: GRADUATE STANDING & INSTRUCTOR PERMISSION
7607005 ARRANGED
ADV SEM PALEOEC&CLI GEOL 610I 1-3 CR.
PREREQ: GRADUATE STANDING & INSTRUCTOR PERMISSION
6710005 ARRANGED
RES SURFICIAL PROC GEOL 699A VAR. CR.
******* SEE DEPT FOR REFERENCE NUMBERS
RESRCH STRATIGRAPHY GEOL 699B VAR. CR.
******* SEE DEPT FOR REFERENCE NUMBERS
RESRCH SEDIMENTATION GEOL 699C VAR. CR.
******* SEE DEPT FOR REFERENCE NUMBERS
RESRCH PALEONTOLOGY GEOL 699D VAR. CR.
******* SEE DEPT FOR REFERENCE NUMBERS
RESEARCH PETROLOGY GEOL 699E VAR. CR.
******* SEE DEPT FOR REFERENCE NUMBERS
RES STRUCTURAL GEOL GEOL 699F VAR. CR.
******* SEE DEPT FOR REFERENCE NUMBERS
RESRCH GEOCHEMISTRY GEOL 699G VAR. CR.
******* SEE DEPT FOR REFERENCE NUMBERS

GERMAN

ELEMENTRY GERMAN II GER 102 4 CR.
PREREQ: 97 OR 101
STUDENTS WHO HAVE COMPLETED 3 OR MORE YRS OF HIGH
SCHOOL GERMAN MAY NOT ENROLL IN 102. CREDIT FOR ONLY
ONE OF GER 110, GER 160, OR THE GER 101-102 SEQUENCE
MAY BE APPLIED TOWARD GRADUATION.
MATERIALS AND EQUIPMENT USE FEE $20.00
MEETS INTERNATIONAL PERSPECTIVES REQMT.
3950005 1 MTWRF 10:00-10:50
3950010 2 MTWRF 11:00-11:50
3950015 3 MTWRF 1:10-2:00
INTERMED GERMAN II GER 202 4 CR.
PREREQ: 201
TESTOUT NOT AVAILABLE IF ALSO REGISTERED
BUSINESS EMPHASIS
MATERIALS AND EQUIPMENT USE FEE $20.00
MEETS INTERNATIONAL PERSPECTIVES REQMT.
3954005 1 MTWRF 9:00-9:50
3954010 2 MTWRF 10:00-10:50
SECT 2: BUSINESS EMPHASIS
COMPOSITION GER 302 3 CR.
PREREQ: 301
MATERIALS AND EQUIPMENT USE FEE $20.00
3956005 1 TR 11:00-12:20
ADV CONVERS&COMPREH GER 305 3 CR.
PREREQ: 202, CONCURRENT ENRLMT IN 302 RECOMMENDED
MATERIALS AND EQUIPMENT USE FEE $20.00
MEETS INTERNATIONAL PERSPECTIVES REQMT.
8405005 1 MWF 11:00-11:50
GERMANY TODAY GER 320 3 CR.
PREREQ: 301 OR 304
3792005 1 MW 3:10-4:30
GERMAN

GERMN STUDI IN ENGL GER 370 3 CR.
TOPIC: WEIMAR AND NATIONAL SOCIALISM
MEETS INTERNATIONAL PERSPECTIVES REQMT.
8367005 1 TR 12:40-2:00

TOPCS GER CULTUR ST GER 472 3-4 CR.
PREREQ: FOR FOURTH CREDIT: SIX CREDITS IN GERMAN AT THE 300 LEVEL
AVAILABLE FOR NONMAJOR GRADUATE CREDIT.
3958005 1 TR 2:10-3:30, ARRANGED

INDEPENDENT STUDY GER 490 1-6 CR.
PREREQ: 6 CR IN GERMAN; PERMISSION OF DEPT CHAIR
NO MORE THAN 9 CREDITS IN GERMAN 490 MAY BE
APPLIED TOWARDS GRADUATION
PERMISSION OF DEPARTMENT CHAIR REQUIRED,
PROCESS APPROVED ADD SLIP IN 10 ALUMNI HALL
******* SEE DEPT FOR REFERENCE NUMBERS

INTERNSHIP IN GERMAN GER 499 1-3 CR.
SATISFACTORY-FAIL ONLY.
PREREQ: 9 CREDITS OF GERMAN AT THE 300 LEVEL;
PERMISSION OF ADVISER AND FOREIGN LANGUAGE AND
LITERATURE INTERNSHIP COORDINATOR
DEPARTMENT PERMISSION REQUIRED, PROCESS
APPROVED ADD SLIP IN 10 ALUMNI HALL
******* SEE DEPT FOR REFERENCE NUMBERS

GERONTONTOLOGY

HOUSING THE AGING GERON 463 3 CR.
PREREQ: 360 OR 3 CR IN HOUSING, ARCH,
INTERIOR DESIGN, REHABILITATION, PSYCH OR HD FS
FIELD TRIPS & TRAVEL FEE $10.00
MEETS U.S. DIVERSITY REQMT.
9003005 TR 11:00-12:20

GERONTL PREPRAC SEM GERON 466 1 CR.
PREREQ: 9 CR IN CORE COURSES FOR THE GERON MINOR & APPROVAL OF GERON UNDERGRAD COORDINATOR
7869005 ARRANGED

GERONTOL PRACTICUM GERON 467 3-6 CR.
SATISFACTORY-FAIL ONLY.
PREREQ: 466, ADVANCE RESERVATION
7870005 ARRANGED

INDEPENDENT STUDY GERON 490 VAR. CR.
3052005 ARRANGED

SURV OF GERONTOLOGY GERON 510 1-3 CR.
3053005 ARRANGED

HOUSING THE AGING GERON 563 3 CR.
MEETS U.S. DIVERSITY REQMT.
3807005 TR 11:00-12:20

SPECIAL TOPICS GERON 590 VAR. CR.
3059005 ARRANGED

GRADUATE STUDIES

PREP FUTR FACLT SEM GR ST 585 1 CR.
SATISFACTORY-FAIL ONLY.
PREREQ: ONE YEAR OF GRADUATE COURSE WORK;
ADMISSION INTO PFF PROGRAM
8114005 ARRANGED

PREP FUTR FAC SM II GR ST 586 1-3 CR.
PREREQ: ADMISSION INTO PFF PROGRAM; COMPLETION
OF GR ST 585 OR PERMISSION OF INSTRUCTOR
7033005 ARRANGED

PREP FAC TCHG PRACT GR ST 587X 1-3 CR.
PREREQ: PFF ADMISSION; COMPLETION OF GR ST 585X
OR INSTRUCTOR PERMISSION; CREDIT FOR OR CONCURRENT
WITH 586X
7679005 ARRANGED

PREP FTR FAC SPL TP GR ST 588X 1-3 CR.
PREREQ: PFF ADMISSION; COMPLETION OF 585X OR
INSTRUCTOR PERMISSION; CREDIT OR ENROLLMENT IN 586X
8341005 ARRANGED

EXAMINATION ONLY GR ST 600 R CR.
3972005 ARRANGED

REQUIRED ENROLLMENT GR ST 601 R CR.
4482005 ARRANGED

CONTINUOUS REGISTRA GR ST 680 R CR.
7349005 ARRANGED

GREEK

ELEM CLASS GREEK II GREEK 102 4 CR.
PREREQ: 101
TESTOUT NOT AVAILABLE IF ALSO REGISTERED
MEETS INTERNATIONAL PERSPECTIVES REQMT.
2374005 1 MTWRF 9:00-9:50

INDEPENDENT STUDY GREEK 490 1-6 CR.
PREREQ: 6 CR IN GREEK; PERMISSION OF DEPT CHAIR
NO MORE THAN 9 CREDITS IN GREEK 490 MAY BE
APPLIED TOWARDS GRADUATION
PERMISSION OF DEPARTMENT CHAIR REQUIRED,
PROCESS APPROVED ADD SLIP IN 10 ALUMNI HALL
******* SEE DEPT FOR REFERENCE NUMBERS

HEALTH STUDIES

1ST AID &EMERG CARE HS 105 2 CR.
MATERIALS AND EQUIPMENT USE FEE $14.00
4081005 A1 MWF 10:00-10:50
SECTAl RESTRICTED TO C H E, EX SP, HHP MAJORS ONLY
4081010 A2 MWF 10:00-10:50
SEC A2 FOR MAJORS OTHER THAN C H E, EX SP, HHP MAJORS
4081015 B1 MWF 11:00-11:50
SEC B1 RESTRICTED TO C H E, EX SP,
HHP MAJORS ONLY
4081020 B2 MWF 11:00-11:50
SEC B2 FOR MAJORS OTHER THAN C H E, EX SP, HHP MAJORS
4081025 C3 MWF 1:10-2:00
4081035 D1 TR 11:00-12:20
SEC D1 RESTRICTED TO C H E, EX SP, HHP MAJORS ONLY
# HEALTH STUDIES

## 1ST AID & EMERG CARE

**Course Code:** HS 105  
**Credit:** 2 CR.  
**Meeting:** 4081040 D2 TR 11:00-12:20  
Section D2 restricted to majors other than C HE, EX SP, HHP majors  
4081050 E3 TR 12:40-2:00

## PERS & CONSUMER HLTH

**Course Code:** HS 110  
**Credit:** 3 CR.  
Sections A1, B1, C1 restricted to EX SP, C HE, HHP majors. Sections A2, B2, C2 restricted to majors other than C HE, EX SP, HHP  
4081050 A1 MWF 11:00-11:50  
4081050 A2 MWF 11:00-11:50  
4081050 B1 TR 9:00-11:50  
4081050 B2 TR 9:00-11:50

## DRUG EDUCATION

**Course Code:** HS 215  
**Credit:** 3 CR.  
Prerequisite: PSYCH 101 or 230  
Sections A1, B1 restricted to EX SP, C HE, HHP majors. Sections A2, B2 restricted to majors other than C HE, EX SP, HHP  
4081050 A1 MWF 11:00-11:50  
4081050 A2 MWF 11:00-11:50  
4081050 B1 MW 9:00-10:50  
4081050 B2 MW 9:00-10:50

## HEALTH ED ELEM SCHL

**Course Code:** HS 275  
**Credit:** 3 CR.  
Prerequisite: HD FS 102 or 226  
Credit for either HS 275 or HS 375, but not both, may be applied toward graduation. Secondary licensure students should enroll in 375.  
Instructor permission required 1st week, process approved add slip in 10 Alumni Hall  
4081050 A1 TR 8:00-9:20  
4081050 B1 MW 9:00-10:50  
4081050 C1 MW 4:10-5:30  
4081050 C2 MW 4:10-5:30

## INSTR’S 1ST AID & CPR

**Course Code:** HS 305  
**Credit:** 2 CR.  
Prerequisite: 105, current standard first aid and community CPR certification  
Materials and equipment use fee $14.00  
4081050 A1 TR 8:00-9:20

## COMMUN & PUBLC HEALTH

**Course Code:** HS 310  
**Credit:** 3 CR.  
Prerequisite: 110  
Course restricted to EX SP, C HE, HHP juniors and seniors  
4081050 A1 M 6:00-9:00 PM

## HUMAN DISEASES

**Course Code:** HS 350  
**Credit:** 3 CR.  
Prerequisite: 110  
Sections A1, B1 restricted to EX SP, C HE, HHP jr & srs only. Sections A2, B2 restricted to majors other than EX SP, C HE, HHP jr & srs.  
4081050 A1 TR 12:40-2:00  
4081050 A2 TR 12:40-2:00  
4081050 B1 TR 2:10-3:30  
4081050 B2 TR 2:10-3:30

## TEACH-LEARN HLTH ED

**Course Code:** HS 375  
**Credit:** 3 CR.  
Prerequisite: 105, 110, 215  
Elementary licensure students should enroll in 275. Credit for either HS 275 or HS 375, but not both, may be applied toward graduation.  
Instructor permission required 1st week, process approved add slip in 10 Alumni Hall

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## HIGHER EDUCATION

## HIGHER EDUC IN U.S.

**Course Code:** HG ED 504  
**Credit:** 3 CR.  
Prerequisite: Graduate classification for HG ed students only - others by instructor permission only  
4111005 1 R 6:00-9:00 PM

## LEARN, LDRSHP, COMMUN

**Course Code:** HG ED 541X  
**Credit:** 2 CR.  
Prerequisite: Permission of instructor  
8409005 T 5:30-8:30 PM Wiersema J

## TEAMS IN ACTION

**Course Code:** HG ED 543X  
**Credit:** 2 CR.  
Prerequisite: Permission of instructor  
7709005 T 5:30-8:30 PM Licklider B
HIGHER EDUCATION

COLLEGE TEACHING   HG ED 561   3 CR.
PREREQ: 6 GRADUATE CREDITS
4112005 T 2:10-5:00 MOORE E

INTERNATIONAL INSTITUTIONS   HG ED 569X   2 CR.
PREREQ: GRADUATE CLASSIFICATION
COURSE ONLY OFFERED FOR 3 CREDITS SPRING 2005
3270005 T 2:10-5:00 ROBINSON D

ST AFFSTD DIVERSITY   HG ED 570H   1- 3 CR.
PREREQ: GRADUATE CLASSIFICATION
COURSE ONLY OFFERED FOR 3 CREDITS SPRING 2005
4117005 W 6:00-9:00PM BENJAMIN M
4117010 T 6:00-9:00PM SAUNDERS K

ORG & ADM STUD AFFAIR   HG ED 575   3 CR.
PREREQ: ADMISSION TO HIGHER EDUCATION PROGRAM
FOR HG ED STUDENTS - OTHERS BY INSTRUCTOR
PERMISSION ONLY
4117005 W 6:00-9:00PM BENJAMIN M
4117010 T 6:00-9:00PM SAUNDERS K

SPL TOP STD SERVICE   HG ED 590A   1- 4 CR.
PREREQ: 9 CREDITS IN EDUCATION
******* SEE DEPT FOR REFERENCE NUMBERS

SPL TOP COMMUN COLLEGE   HG ED 590B   1- 4 CR.
PREREQ: 9 CREDITS IN EDUCATION
******* SEE DEPT FOR REFERENCE NUMBERS

SPL TOP CURRENT ISSUES   HG ED 590C   1- 4 CR.
PREREQ: 9 CREDITS IN EDUCATION
******* SEE DEPT FOR REFERENCE NUMBERS

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

SPL TOP FED & STAT AFFAIR   HG ED 590E   1- 4 CR.
PREREQ: 9 CREDITS IN EDUCATION
******* SEE DEPT FOR REFERENCE NUMBERS

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

SP TOP INSTITUTIONAL RESOURCES   HG ED 590G   1- 4 CR.
PREREQ: 9 CREDITS IN EDUCATION
******* SEE DEPT FOR REFERENCE NUMBERS

SUPV FIELD EXPERIENCE   HG ED 591   1- 4 CR.
PREREQ: 9 CREDITS IN EDUCATION
******* SEE DEPT FOR REFERENCE NUMBERS

PROGRAM ASSESS & EVALUATION   HG ED 597   3 CR.
PREREQ: RESEV 550
FOR HG ED STUDENTS - OTHERS BY INSTRUCTOR
PERMISSION ONLY
6276005 1 T 5:30-8:30PM HUBA M
6276010 2 M 6:00-9:00PM CYCHOSZ C

HIGHER EDUCATION

CAPSTONE SEMINAR   HG ED 598   3 CR.
PREREQ: COMPLETION OF 30 CREDITS IN EL PS
FOR HG ED STUDENTS - OTHERS BY INSTRUCTOR
PERMISSION ONLY
6275005 W 2:10-5:00 EVANS N

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

FINANCING HIGHER EDUCATION   HG ED 665   3 CR.
PREREQ: 504
FOR HG ED STUDENTS - OTHERS BY INSTRUCTOR
PERMISSION ONLY
7319005 W 5:10-8:00PM MOORE E

STUDENT DEVELOPMENT THEORY II   HG ED 676   3 CR.
PREREQ: 576
FOR HG ED STUDENTS - OTHERS BY INSTRUCTOR
PERMISSION ONLY
5633005 1 R 2:10-5:00 KILGORE D
5633010 2 T 2:10-5:00 EVANS N

ADVANCED SPECIAL TOPICS   HG ED 690   1- 4 CR.
PREREQ: 9 CREDITS IN EDUCATION
******* SEE DEPT FOR REFERENCE NUMBERS

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

HISTORICAL, PHILOSOPHICAL & COMPARATIVE EDUCATION

CLASSICS EDUCATION PHILOSOPHY   H P C 584   3 CR.
PREREQ: GRADUATE CLASSIFICATION
4062005 M 6:00-9:00PM

HISTORICAL AMERICAN EDUCATION   H P C 588   3 CR.
PREREQ: GRADUATE CLASSIFICATION
4065005 T 6:00-9:00PM

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

SPCL TOP PHILOSOPHY OF ED   H P C 590B   1- 5 CR.
PREREQ: 9 CREDITS IN EDUCATION
******* SEE DEPT FOR REFERENCE NUMBERS

SPCL TOP COMPARATIVE EDUCATION   H P C 590C   1- 5 CR.
PREREQ: 9 CREDITS IN EDUCATION
******* SEE DEPT FOR REFERENCE NUMBERS

SUPV FIELD EXPERIENCE   H P C 591   1- 6 CR.
PREREQ: 6 GRADUATE CREDITS IN SPECIAL AREA
4069005 ARANGED
HISTORICAL, PHILOSOPHICAL & COMP ED

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

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

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

HISTORY

INTR WESTERN CIV II HIST 202 3 CR.
MEETS INTERNATIONAL PERSPECTIVES REQMT.
4151005 1 TR 9:00-9:50
R 8:00-8:50
4151010 2 TR 9:00-9:50
R 10:00-10:50
4151015 3 TR 9:00-9:50
W 12:10-1:00
4151020 4 TR 9:00-9:50
F 8:00-8:50
4151025 5 TR 9:00-9:50
R 12:10-1:00
4151030 6 TR 9:00-9:50
F 10:00-10:50
4151035 7 TR 9:00-9:50
R 12:10-1:00
4151040 8 TR 9:00-9:50
F 11:00-11:50
4151045 9 TR 9:00-9:50
R 8:00-8:50
4151050 10 TR 9:00-9:50
R 12:10-1:00
4151055 11 TR 9:00-9:50
F 8:00-8:50
4151060 12 TR 9:00-9:50
R 11:00-11:50
4151065 13 TR 9:00-9:50
F 9:00-9:50
4151070 14 TR 9:00-9:50
F 12:10-1:00
4151075 15 TR 9:00-9:50
F 12:10-1:00
4151080 16 TR 9:00-9:50
R 12:10-1:00

SURVEY U.S. HIST I HIST 221 3 CR.
4155005 1 MWF 9:00-9:50

SURVEY U.S. HIST II HIST 222 3 CR.
4156005 1 TR 12:10-1:00
R 8:00-8:50
4156010 2 TR 12:10-1:00
R 8:00-8:50
4156015 3 TR 12:10-1:00
R 8:00-8:50
4156020 4 TR 12:10-1:00
W 12:10-1:00
4156025 5 TR 12:10-1:00
R 10:00-10:50
4156030 6 TR 12:10-1:00
R 10:00-10:50
4156035 7 TR 12:10-1:00
F 10:00-10:50
4156040 8 TR 12:10-1:00
T 11:00-11:50

HISTORY

SURVEY U.S. HIST II HIST 222 3 CR.
4156045 9 TR 8:00-8:50
W 8:00-8:50
4156050 10 TR 8:00-8:50
W 11:00-11:50
4156055 11 TR 8:00-8:50
F 9:00-9:50
4156060 12 TR 8:00-8:50
F 11:00-11:50
4156065 13 TR 8:00-8:50
R 12:10-1:00
4156070 14 TR 8:00-8:50
R 12:10-1:00
4156075 15 TR 8:00-8:50
F 8:00-8:50
4156080 16 TR 8:00-8:50
F 10:00-10:50

INTR HIST OF SCI II HIST 281 3 CR.
MEETS INTERNATIONAL PERSPECTIVES REQMT.
4162005 1 MW 10:00-10:50
F 8:00-8:50
4162010 2 MW 10:00-10:50
R 8:00-8:50
4162015 3 MW 10:00-10:50
F 10:00-10:50
4162020 4 MW 10:00-10:50
F 12:10-1:00

INTR HIST T&ENGR II HIST 285 3 CR.
4164005 1 MW 12:10-1:00
R 12:10-1:00
4164010 2 MW 12:10-1:00
R 11:00-11:50
4164015 3 MW 12:10-1:00
F 8:00-8:50
4164020 4 MW 12:10-1:00
F 10:00-10:50

MOD CULTURAL HERITG HIST 305 3 CR.
PREREQ: SOPHOMORE CLASSIFICATION
4167005 1 TR 9:30-10:50

HIS CHINA 1644-1912 HIST 336 3 CR.
PREREQ: SOPHOMORE CLASSIFICATION
MEETS INTERNATIONAL PERSPECTIVES REQMT.
4171005 1 MW 11:00-12:20

U.S. IMMIGRATION HIST 345 3 CR.
PREREQ: SOPHOMORE CLASSIFICATION
MEETS U.S. DIVERSITY REQMT.
7429005 1 TR 11:00-12:20

US SOC&CULTUR 1900- HIST 352 3 CR.
PREREQ: SOPHOMORE CLASSIFICATION
COURSE RESTRICTED TO SOPHOMORES AND ABOVE
INSTRUCTOR PERMISSION REQUIRED 1ST WEEK, PROCESS
APPROVED ADD SLIP IN 10 ALUMNI HALL
4177005 1 TR 10:00-10:50
R 12:10-1:00
4177010 2 TR 10:00-10:50
F 9:00-9:50
4177015 3 TR 10:00-10:50
F 10:00-10:50
4177025 4 TR 10:00-10:50
F 12:10-1:00
**HISTORY**

**HIST AFRICN AMER II**  HIST 354  3 CR.
- PREREQ: SOPHOMORE CLASSIFICATION
- MEETS U.S. DIVERSITY REQMT.
  - 8746005  TR 9:30-10:50

**WOMN ANCIENT MEDITERR HIST** 374  3 CR.
- MEETS INTERNATIONAL PERSPECTIVES REQMT.
  - 4040005  MWF 11:00-11:50

**HIST WOMEN SCI,TECH** 380  3 CR.
- PREREQ: SOPHOMORE CLASSIFICATION
- MEETS U.S. DIVERSITY REQMT.
  - 4178005  1 TR 11:00-11:50
  - R 8:00-8:50
  - 4178010  2 TR 11:00-11:50
  - R 10:00-10:50
  - 4178015  3 TR 11:00-11:50
  - F 8:00-8:50
  - 4178020  4 TR 11:00-11:50
  - F 10:00-10:50

**HIST ASTRONOMY&PHYSICS**  HIST 388  3 CR.
- PREREQ: SOPHOMORE CLASSIFICATION
  - 4234005  1 TR 11:00-12:20

**MOD MILITARY HISTORY II**  HIST 390  3 CR.
- PREREQ: SOPHOMORE CLASSIFICATION
- MEETS INTERNATIONAL PERSPECTIVES REQMT.
  - 4190005  MWF 10:00-10:50

**ANCIENT ROME II**  HIST 404  3 CR.
- PREREQ: SOPHOMORE CLASSIFICATION
- AVAILABLE FOR NONMAJOR GRADUATE CREDIT.
  - 1948005  1 MWF 11:00-11:50

**W EUROPE: 1050-1500**  HIST 406  3 CR.
- PREREQ: SOPHOMORE CLASSIFICATION
- AVAILABLE FOR NONMAJOR GRADUATE CREDIT.
  - 4195005  MWF 11:00-11:50

**ENGLAND SINCE 1850**  HIST 431  3 CR.
- PREREQ: SOPHOMORE CLASSIFICATION
- COURSE RESTRICTED TO SOPHOMORES AND ABOVE.
- AVAILABLE FOR NONMAJOR GRADUATE CREDIT.
  - 4213005  1 TR 2:10-3:30

**REVOLUTIONS LATIN AME** 442X  3 CR.
- PREREQ: SOPHOMORE CLASSIFICATION
- AVAILABLE FOR NONMAJOR GRADUATE CREDIT.
  - 7034005  1 TR 9:30-10:50

**AMERICAN REVOLUTION**  HIST 451  3 CR.
- PREREQ: SOPHOMORE CLASSIFICATION
- INSTRUCTOR PERMISSION REQUIRED 1ST WEEK, PROCESS
- AVAILABLE FOR NONMAJOR GRADUATE CREDIT.
  - 4214005  1 TR 11:00-11:50

**CIVIL WAR&RECONSTRUCTION**  HIST 455  3 CR.
- PREREQ: SOPHOMORE CLASSIFICATION
- AVAILABLE FOR NONMAJOR GRADUATE CREDIT.
  - 4217005  MWF 10:00-10:50

**AMERICAN FAMILY**  HIST 456X  3 CR.
- PREREQ: SOPHOMORE CLASSIFICATION
- AVAILABLE FOR NONMAJOR GRADUATE CREDIT.
  - 2763005  1 TR 2:10-3:30

**THE AMERICAN WEST**  HIST 465  3 CR.
- PREREQ: SOPHOMORE CLASSIFICATION
- AVAILABLE FOR NONMAJOR GRADUATE CREDIT.
  - 4224005  1 MWF 12:10-1:00

**CONTEMPORARY AMERICA**  HIST 469  3 CR.
- PREREQ: SOPHOMORE CLASSIFICATION
- AVAILABLE FOR NONMAJOR GRADUATE CREDIT.
  - 5740005  TR 9:30-10:50

**US&COLD WAR 1950-91**  HIST 471  3 CR.
- PREREQ: SOPHOMORE CLASSIFICATION
- COURSE FOR SOPHOMORE AND ABOVE
- AVAILABLE FOR NONMAJOR GRADUATE CREDIT.
  - 4229005  1 TR 11:00-11:50

**INDEPENDENT STUDY**  HIST 490  1-3 CR.
- PREREQ: 9 CREDITS IN HISTORY; PERMISSION OF DEPARTMENT CHAIR
- SOPHOMORE AND ABOVE CLASSIFICATION.
- AVAILABLE FOR NONMAJOR GRADUATE CREDIT.
  - 4238005  ARRANGED
  - 4238128  LS ARRANGED
  - 4238130  MB ARRANGED
  - 4238133  MS ARRANGED
  - 4238168  SG ARRANGED

**UNDERGRAD SEMINAR**  HIST 497X  3 CR.
- PREREQ: JUNIOR CLASSIFICATION
- AVAILABLE FOR NONMAJOR GRADUATE CREDIT.
  - 6262005  1 M 2:10-5:00

**PROSEM AMERI 1800'S**  HIST 511B  3 CR.
- PREREQ: PERMISSION OF INSTRUCTOR
- INSTRUCTOR PERMISSION REQUIRED 1ST WEEK, PROCESS
- AVAILABLE FOR NONMAJOR GRADUATE CREDIT.
  - 4241005  1 M 2:10-5:00

**PROSEM AMERI 1900'S**  HIST 511C  3 CR.
- PREREQ: PERMISSION OF INSTRUCTOR
- INSTRUCTOR PERMISSION REQUIRED 1ST WEEK, PROCESS
- AVAILABLE FOR NONMAJOR GRADUATE CREDIT.
  - 4242005  1 ARRANGED

**PROSEM MOD EUR HISTORY**  HIST 512C  3 CR.
- PREREQ: PERMISSION OF INSTRUCTOR
- INSTRUCTOR PERMISSION REQUIRED 1ST WEEK, PROCESS
- AVAILABLE FOR NONMAJOR GRADUATE CREDIT.
  - 4245005  1 ARRANGED
HISTORY

PROSEM LATIN AMER     HIST  513      3 CR.
  PREREQ: PERMISSION OF INSTRUCTOR
  INSTRUCTOR PERMISSION REQUIRED 1ST WEEK, PROCESS
  APPROVED ADD SLIP IN 10 ALUMNI HALL
  4246005   1 T 1:10-4:00

SEM HIST OF SCI II     HIST  571      3 CR.
  PREREQ: PERMISSION OF INSTRUCTOR
  4287005   1 W 2:10-5:00

PRSEM HIS FMNST THY     HIST  586      3 CR.
  PREREQ: PERMISSION OF INSTRUCTOR
  2170005   1 W 1:10-4:00

SPECIAL TOPICS         HIST  590   1- 3 CR.
  PREREQ: PERMISSION OF INSTRUCTOR
  SOPHOMORE AND ABOVE CLASSIFICATION
  INSTRUCTOR PERMISSION REQUIRED 1ST WEEK, PROCESS
  APPROVED ADD SLIP IN 10 ALUMNI HALL
  4258005   1 R 1:10-4:00

RESEARCH               HIST  699   VAR.  CR.
  INSTRUCTOR PERMISSION REQUIRED 1ST WEEK, PROCESS
  APPROVED ADD SLIP IN 10 ALUMNI HALL
  2130005   1 W 2:10-5:00

HONORS

SPECIAL PROB HONORS    HON   290H VAR.  CR.
  SATISFACTORY-FAIL ONLY.
  PREREQ: PERMISSION OF THE VICE PROVOST FOR UG PROGS
  4246005   1 R 1:10-4:00

UNIV HONORS SEMINAR    HON   322   1- 2 CR.
  SATISFACTORY-FAIL ONLY.
  PREREQ: MEMBERSHIP IN THE HONORS PROGRAM
  CONTACT 2130 JISCHKE BLDG FOR REFERENCE NUMBERS
  4296005   1 T 1:10-4:00

UNIV HONORS SEMINAR    HON   324   1- 2 CR.
  SATISFACTORY-FAIL ONLY.
  PREREQ: MEMBERSHIP IN UNIVERSITY HONORS PROGRAM
  CONTACT 2130 JISCHKE BLDG FOR REFERENCE NUMBERS
  4258005   1 R 1:10-4:00

INDEP STUDY HONORS     HON   490   VAR.  CR.
  PREREQ: MEMBERSHIP IN THE HONORS PROGRAM AND
  PERMISSION OF THE VICE PROVOST FOR UNDERGRAD
  PROGRAMS
  DEPARTMENT PERMISSION REQUIRED, PROCESS
  APPROVED ADD SLIP IN 10 ALUMNI HALL
  4246005   1 T 1:10-4:00

HORTICULTURE

HOME HORTICULTURE      HORT  121   2 CR.
  4292005   MW 3:10-4:00   DILLEY C

PRINCIP OF HORTICUL    HORT  221   3 CR.
  PREREQ: BIOL 201
  MATERIALS AND FIELD TRIPS & TRAVEL FEE $15.00
  4296005   A TR 11:00-11:50   NONNECKE G
  T 2:10-4:00   OSBORN B
  4296010   B TR 11:00-11:50   NONNECKE G
  R 2:10-4:00   OSBORN B
  4296015   C TR 11:00-1:00    NONNECKE G
  R 12:10-2:00

EDU YOUTH THRU HORT     HORT  282   3 CR.
  FIELD TRIPS & TRAVEL FEE $15.00
  7419005   MW 1:10-2:00   HAYNES C
  M 2:10-5:00

PESTICIDE APPL CERT     HORT  283   2 CR.
  5221005   MW 2:10-3:00

HORTI PLANT NUTRITION   HORT  320   2 CR.
  PREREQ: 221 OR AGRON 114 OR BIOL 201 AND
  AGRON 154 OR 155
  AVAILABLE FOR NONMAJOR GRADUATE CREDIT.
  9576005   TR 8:00-8:50   CHAPLIN M

HORT PLANT NUTR LAB     HORT  320L  1 CR.
  MATERIALS FEE $15.00
  AVAILABLE FOR NONMAJOR GRADUATE CREDIT.
  3074005   A T 12:10-1:00   CHAPLIN M
  T 1:10-2:00   CHAPLIN M
  3074010   B T 12:10-1:00   CHAPLIN M
  T 1:10-2:00   CHAPLIN M
  3074015   C T 12:10-1:00   CHAPLIN M
  T 1:10-2:00   CHAPLIN M
  3074020   D T 12:10-1:00   CHAPLIN M
  T 1:10-2:00   CHAPLIN M

PLANT PROPAGATION      HORT  322   3 CR.
  PREREQ: 221 OR BIOL 202
  COURSE RESTRICTED TO HORT, FL HP MAJORS ONLY
  MATERIALS FEE $20.00
  4304005   A TR 9:30-10:20   STEPHENS L
  W 9:00-10:50   STEPHENS L
  4304010   B TR 9:30-10:20   STEPHENS L
  W 1:10-3:00   STEPHENS L
  4304015   C TR 9:30-10:20   STEPHENS L
  W 3:10-5:00   STEPHENS L

GREENHOUSE OPER&MGT     HORT  332  4 CR.
  PREREQ: 221
  MATERIALS AND FIELD TRIPS & TRAVEL FEE $25.00
  4306005   A MWF 1:10-2:00   GLADON R
  M 2:10-5:00   GLADON R
  4306010   B MWF 1:10-2:00   GLADON R
  W 2:10-5:00   GLADON R
  4306015   C MWF 1:10-2:00   GLADON R
  F 2:10-5:00   GLADON R
HORTICULTURE

SEED SCIENCE & TECHNOLOGY HORT 338 3 CR.
PREREQ: AGRON 114 OR HORT 221, BIOL 109 OR 110
T262005 MW 9:00-9:50 KNAPP A
R 3:10-5:00 KNAPP A

PRINCIPAL GARDEN COMPOSITION HORT 380X 2 CR.
PREREQ: 222
T262005 TR 9:30-10:20 VANDERZANDEN A

BEGINNING GARDEN COMPOSITION HORT 381X 2 CR.
PREREQ: 222, 330, 340, CONCURRENT ENROLLMENT IN 380X
COURSE RESTRICTED TO HORT MAJORS ONLY.
T234005 A MW 9:00-10:50 VANDERZANDEN A
T234010 B MW 1:10-3:00 VANDERZANDEN A

HORTiculture MANAGEMENT EXPERIENCE HORT 391 1 CR.
PREREQ: 221, PERMISSION OF INSTRUCTOR
A MAXIMUM OF 2 CREDITS OF HORT 391 MAY BE APPLIED
TOWARD THE HORTICULTURAL SCIENCES COURSE
REQUIREMENTS
A MAXIMUM OF 4 CREDITS OF HORT 391 MAY BE APPLIED
TOWARD THE 128 CREDITS REQUIRED FOR GRADUATION
******* SEE DEPT FOR REFERENCE NUMBERS

COORDINATE EDUCATION HORT 398X R CR.
SATISFACTORY-FAIL ONLY.
3652005 ARRANGED

TROPICAL PLANTS & INTERSCAPING HORT 433 3 CR.
PREREQ: 221, 332
MATERIALS AND FIELD TRIPS & TRAVEL FEES $20.00
AVAILABLE FOR NONMAJOR GRADUATE CREDIT.
5745005 A TR 11:00-11:50 GLADON R
T 12:10-3:00 GLADON R
5745010 B TR 11:00-11:50 GLADON R
R 12:10-3:00 GLADON R

PROF TURFGRASS MANAGEMENT HORT 451 2 CR.
PREREQ: 351
AVAILABLE FOR NONMAJOR GRADUATE CREDIT.
4319005 T 2:10-5:00 CHRISTIANS N

FRUIT & NUT PRODUCTN HORT 461 3 CR.
PREREQ: 221
MATERIALS AND FIELD TRIPS & TRAVEL FEES $25.00
AVAILABLE FOR NONMAJOR GRADUATE CREDIT.
4320005 MW 11:00-11:50 NONNECKE G
M 2:10-4:00 NONNECKE G

INDIVIDUAL STUDY TURFGRASS HORT 490C VAR. CR.
PREREQ: SENIOR CLASSIFICATION IN HORT, PERMISSION OF INSTRUCTOR
NO MORE THAN 4 CREDITS OF HORT 490 MAY BE APPLIED
TOWARD THE TOTAL OF 128 CREDITS REQUIRED FOR GRADUATION
******* SEE DEPT FOR REFERENCE NUMBERS

INDIVIDUAL STUDY FRUIT CROPS HORT 490D VAR. CR.
PREREQ: SENIOR CLASSIFICATION IN HORT, PERMISSION OF INSTRUCTOR
NO MORE THAN 4 CREDITS OF HORT 490 MAY BE APPLIED
TOWARD THE TOTAL OF 128 CREDITS REQUIRED FOR GRADUATION
******* SEE DEPT FOR REFERENCE NUMBERS

INDIVIDUAL STUDY VEG CROPS HORT 490E VAR. CR.
PREREQ: SENIOR CLASSIFICATION IN HORT, PERMISSION OF INSTRUCTOR
NO MORE THAN 4 CREDITS OF HORT 490 MAY BE APPLIED
TOWARD THE TOTAL OF 128 CREDITS REQUIRED FOR GRADUATION
******* SEE DEPT FOR REFERENCE NUMBERS

INDIVIDUAL STUDY CROSS-COMMERO HORT 490F VAR. CR.
PREREQ: SENIOR CLASSIFICATION IN HORT, PERMISSION OF INSTRUCTOR
NO MORE THAN 4 CREDITS OF HORT 490 MAY BE APPLIED
TOWARD THE TOTAL OF 128 CREDITS REQUIRED FOR GRADUATION
******* SEE DEPT FOR REFERENCE NUMBERS

INDIVIDUAL STUDY LANDSCAPE HORT 490G VAR. CR.
PREREQ: SENIOR CLASSIFICATION IN HORT, PERMISSION OF INSTRUCTOR
NO MORE THAN 4 CREDITS OF HORT 490 MAY BE APPLIED
TOWARD THE TOTAL OF 128 CREDITS REQUIRED FOR GRADUATION
******* SEE DEPT FOR REFERENCE NUMBERS

INDEPENDENT STUDY HONORS HORT 490H VAR. CR.
PREREQ: SENIOR CLASSIFICATION IN HORT, PERMISSION OF INSTRUCTOR.
A MAXIMUM OF 4 CR OF 490 MAY BE USED
TOWARD THE TOTAL OF 128 CR REQUIRED FOR GRADUATION.
MEMBERSHIP IN UNIV HONORS PROGRAM
NO MORE THAN 4 CREDITS OF HORT 490 MAY BE APPLIED
TOWARD THE TOTAL OF 128 CREDITS REQUIRED FOR GRADUATION
******* SEE DEPT FOR REFERENCE NUMBERS

SEED SCIENCE INTERNSHIP HORT 491 1-2 CR.
PREREQ: 338, ADVANCE APPROVAL AND PARTICIPATION
OF EMPLOYER AND INSTRUCTOR
INSTRUCTOR PERMISSION REQUIRED 1ST WEEK, PROCESS
APPROVING ADD SLIP IN 10 ALUMNI HALL
1734005 1 ARRANGED CAMPBELL A
1734010 2 ARRANGED GIBSON L
1734015 3 ARRANGED KNAPP A
1734020 4 ARRANGED MULLEN R
<table>
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<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
<th>Instructor(s)</th>
<th>Schedule</th>
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<tr>
<td>HORT 493A</td>
<td>TURF&amp;LANDSCP IRRIGATION</td>
<td>2 CR.</td>
<td>MINNER D</td>
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<td>HORT 495</td>
<td>AG TRAVEL CRSE PREP</td>
<td>R CR.</td>
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<td>HORT 497X</td>
<td>PRO DEVELOPMENT SEM</td>
<td>1 CR.</td>
<td>CHAPLIN M</td>
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<td>HORT 511</td>
<td>INTG MGT TROP CROP</td>
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<td>HORT 529</td>
<td>PBLSH PLANT SC JRNL</td>
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<td>HORT 537</td>
<td>ENVIR STRES PHYSIOL</td>
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<td>HORT 542A</td>
<td>INTRO DNA TECHNIQS</td>
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<td>HORT 542B</td>
<td>INTR PROTEIN TECHNIQ</td>
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<td>HORT 542C</td>
<td>INTR CELL TECHNIQ</td>
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<td>HORT 542D</td>
<td>INTR PLANT TRANSFRM</td>
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<td>HORT 565A</td>
<td>PRO PRACTC RESEARCH</td>
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<td>HORT 565B</td>
<td>PRO PRAC INTEL PROP</td>
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<td>HORT 565C</td>
<td>PRO LIFE SCIETHICS</td>
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<td>HORT 565D</td>
<td>PRO PLNT BREED ETHC</td>
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<td>HORT 565E</td>
<td>PRO PLANT TRANSMFRM</td>
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<td>SPECIAL TOPICS</td>
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<td>WKSHP GREENHS CROPS</td>
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<td>WORKSHOP FRUIT CROPS</td>
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**Note:** Schedule details include days and times. Instructors are listed where applicable.
HORTICULTURE

RESEARCH VEG CROPS HORT 699E VAR. CR.
****** SEE DEPT FOR REFERENCE NUMBERS

RSRCH CROSS-COMMODT HORT 699F VAR. CR.
****** SEE DEPT FOR REFERENCE NUMBERS

RSRCH LANDSCAP HORT HORT 699G VAR. CR.
****** SEE DEPT FOR REFERENCE NUMBERS

HOTEL RESTAURANT & INSTITUTION MGMT

HOSP SANITAT&SAFETY HRI 233 3 CR.
MATERIALS FEE $0.00-$90.00
4350005 1 MWF 10:00-10:50
4435010 2 MWF 10:00-10:50
SECT 2 RESTRICTED TO HRI MAJORS ONLY.
SECT 2 FOR MAJORS OTHER THAN HRI.

GLOBAL TOURISM MGT HRI 260 3 CR.
MEETS INTERNATIONAL PERSPECTIVES REQMT.
6738005 T 6:00-9:00PM

PRIN HOSPITLITY MGT HRI 287 3 CR.
SECTIONS 1A,2A RESTRICTED TO HRI MAJORS ONLY.
SECTIONS 1B,2B RESTRICTED TO MAJORS OTHER THAN HRI.
MATERIALS AND PROFESSIONAL SUPPORT FEE $9.00
4356005 1A MF 11:00-11:50
4356010 1B MF 11:00-11:50
4356015 2A MF 11:00-11:50
4356020 2B MF 11:00-11:50

PRIVATE CLUB OPRTNS HRI 289 2 CR.
PREREQ: 101
FIELD TRIPS & TRAVEL FEE $20.00
9247005 M 2:10-4:00

QUANT FOOD PROD MGT HRI 380 3 CR.
PREREQ: 233 OR 2 CR MICRO; FS HN 111 OR 214;
JUNIOR CLASSIFICATION; ENROLLMENT IN HRI 380L
INSTRUCTOR PERMISSION REQUIRED 1ST WEEK, PROCESS
APPROVED ADD SLIP IN 10 ALUMNI HALL
4358005 1 TR 8:00-9:20
DEPARTMENT PERMISSION REQUIRED, PROCESS
APPROVED ADD SLIP IN 10 ALUMNI HALL

QUANT FOOD PROD&MGT HRI 380L 2 CR.
PREREQ: 233 OR 2 CR. MICRO; FS HN 111 OR 214;
JUNIOR CLASSIFICATION; ENROLLMENT IN 380;
RESERVATION WITH PROGRAM REQUIRED
MATERIALS FEE $34.00-$90.00
DEPARTMENT PERMISSION REQUIRED, PROCESS
APPROVED ADD SLIP IN 10 ALUMNI HALL
4359005 1 WF 10:00-1:00
4359010 2 TR 10:00-1:00

INTRO TO BEVERAGES HRI 383 2 CR.
PREREQ: MUST BE AT LEAST 21 YEARS OLD AND
PERMISSION OF THE INSTRUCTOR
MATERIALS FEE $55.00
4108005 R 2:10-3:50
INSTRUCTOR PERMISSION REQUIRED, PROCESS
APPROVED ADD SLIP IN 10 ALUMNI HALL

HOTEL RESTAURANT & INSTITUTION MGMT

FOODSERVICE MGT II HRI 392 3 CR.
PREREQ: 391
HRI 392 NOT ACCEPTED FOR CREDIT TOWARD A MAJOR
IN HRIM
7619005 MW 1:10-2:00

HOSPITALITY WORK EXPER HRI 393 1 CR.
SATISFACTORY-FAIL ONLY.
PREREQ: ADVISOR APPROVAL
INSTRUCTOR PERMISSION REQUIRED 1ST WEEK, PROCESS
APPROVED ADD SLIP IN 10 ALUMNI HALL
****** SEE DEPT FOR REFERENCE NUMBERS

HOSP MANAG ACCOUNTG HRI 433 3 CR.
PREREQ: 333; ACCT 284; ECON 101; CREDIT OR
ENROLLMENT IN STAT 101
9349005 A MWF 8:00-8:50

HUMAN RESO MGT HOSP HRI 438 3 CR.
PREREQ: 287, WORK EXPERIENCE, JR CLASSIFICATION
4365005 A MWF 9:00-9:50

LODGING OPER MGT II HRI 452 3 CR.
PREREQ: 352 AND COM S 103
MATERIALS FEE $30.00
AVAILABLE FOR NONMAJOR GRADUATE CREDIT.
6696005 A 4:10-5:30

HOSPITALITY LAW HRI 460 3 CR.
PREREQ: ACCT 215
AVAILABLE FOR NONMAJOR GRADUATE CREDIT.
4369005 A 2:10-3:30

ENTREPRENEURSHIP FCS HRI 474 3 CR.
PREREQ: 6 CREDITS IN HRIM AT 300-LEVEL OR ABOVE
FIELD TRIPS & TRAVEL FEE $0.00-$10.00
8029005 R 6:00-8:30PM

ISSUES FOOD SAFETY HRI 489 1 CR.
PREREQ: CREDIT OR ENROLLMENT IN FS HN 101 OR 272
OR HRI 233; FS HN 419 OR 420; FS HN 403
8349005 A 3:10-4:00
MARCH 7-MAY 6

IND ST HOSPITLITY MGT HRI 490B VAR. CR.
PREREQ: PROGRAM APPROVAL
INSTRUCTOR PERMISSION REQUIRED 1ST WEEK, PROCESS
APPROVED ADD SLIP IN 10 ALUMNI HALL
****** SEE DEPT FOR REFERENCE NUMBERS

IND ST LODGING OPER HRI 490D VAR. CR.
PREREQ: PROGRAM APPROVAL
INSTRUCTOR PERMISSION REQUIRED 1ST WEEK, PROCESS
APPROVED ADD SLIP IN 10 ALUMNI HALL
****** SEE DEPT FOR REFERENCE NUMBERS

IND STD FOODSRVC OP HRI 490E VAR. CR.
PREREQ: PROGRAM APPROVAL
INSTRUCTOR PERMISSION REQUIRED 1ST WEEK, PROCESS
APPROVED ADD SLIP IN 10 ALUMNI HALL
****** SEE DEPT FOR REFERENCE NUMBERS
## HOTEL RESTAURANT & INSTITUTION MGMT

**INDEP STUDY HONORS**  
HRI 490H  Variation CR.  
PreReq: Program Approval, Full Membership in Honors Program  
Instructor Permission Required 1st Week, Process Approved Add Slip in 10 Alumni Hall  
******* See Dept for Reference Numbers

**INTERNSHIP FOODSERV**  
HRI 491A 2 CR.  
Satisfactory-Fail Only.  
PreReq: Advisor Approval  
Instructor Permission Required 1st Week, Process Approved Add Slip in 10 Alumni Hall  
******* See Dept for Reference Numbers

**INTERNSHIP LODGING**  
HRI 491B 2 CR.  
Satisfactory-Fail Only.  
PreReq: Advisor Approval  
Instructor Permission Required 1st Week, Process Approved Add Slip in 10 Alumni Hall  
******* See Dept for Reference Numbers

**PRO EXP HOSPITALITY**  
HRI 575 2-4 CR.  
PreReq: 9 Credits in HRI at 400 Level or Above, Permission of Instructor  
******* See Dept for Reference Numbers

**SP TOP HOSPITALITY MGT**  
HRI 590B 1-3 CR.  
PreReq: 9 CR in HRI at 400 Level or Above and Permission of Instructor  
Instructor Permission Required 1st Week, Process Approved Add Slip in 10 Alumni Hall  
******* See Dept for Reference Numbers

**SP TOP LODGING OPER**  
HRI 590D 1-3 CR.  
PreReq: 9 CR in HRI at 400 Level or Above and Permission of Instructor  
Instructor Permission Required 1st Week, Process Approved Add Slip in 10 Alumni Hall  
******* See Dept for Reference Numbers

**SPL TP FOOD SERV OP**  
HRI 590E 1-3 CR.  
PreReq: 9 CR in HRI at 400 Level or Above and Permission of Instructor  
Instructor Permission Required 1st Week, Process Approved Add Slip in 10 Alumni Hall  
******* See Dept for Reference Numbers

**CREATIVE COMPONENT**  
HRI 599  Variation CR.  
Instructor Permission Required 1st Week, Process Approved Add Slip in 10 Alumni Hall  
******* See Dept for Reference Numbers

**ADMINISTRATIVE PROBLEMS**  
HRI 608 1-4 CR.  
PreReq: 9 CR in HRI at 400 Level or Above and Permission of Instructor  
Instructor Permission Required 1st Week, Process Approved Add Slip in 10 Alumni Hall  
4399005 Arranged

**HRM TEACHING EXPERIENCE**  
HRI 675 2 CR.  
PreReq: 9 Credits in HRI at 400 Level or Above, Permission of Instructor  
******* See Dept for Reference Numbers

## HOTEL RESTAURANT & INSTITUTION MGMT

**RESEARCH**  
HRI 699  Variation CR.  
Instructor Permission Required 1st Week, Process Approved Add Slip in 10 Alumni Hall  
******* See Dept for Reference Numbers

## HUMAN DEVELOPMENT & FAMILY STUDIES

**INDV&FAM LIFE DEVELOPMENT**  
HD FS 102 3 CR.  
3491005 1A TR 11:00-12:20  
Sec 1A Restricted to College of FCS Majors Only  
3491010 1B TR 11:00-12:20  
Study Tour & Service Learning  
Satisfactory-Fail Only.  
PreReq: 102  
Course Restricted to CH FS, ECE F, F R M, H N E, HD FS, Majors Only  
Field Trips & Travel Fee $10.00  
2190005 W 2:10-4:00

**DEV&GUID: BIRTH-2YR**  
HD FS 220 3 CR.  
PreReq: 102  
Restricted to CH FS, ECE E, ECE F Sophomores, Juniors and Seniors Only. Lab Placement Locations Assigned at First Lecture Class.

### DEVEL&GUID: AGE 3-8

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Days</th>
<th>Times</th>
<th>Instructor</th>
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**DEVEL&GUID: AGE 3-8**  
HD FS 221 3 CR.  
PreReq: 102  
Restricted to CH FS, ECE E, ECE F Sophomores, Juniors and Seniors Only. Lab Placement Locations Assigned at First Lecture Class.

<table>
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<th>Course Code</th>
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<th>Instructor</th>
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### HUMAN DEVELOPMENT & FAMILY STUDIES

#### DEVEL&GUID: AGE 3-8 HD FS 221  3 CR.
- **4253015** 3 TR 12:10-1:00  W 9:00-11:50
- **4253020** 4 TR 12:10-1:00  R 9:00-11:50
- **4253025** 5 TR 12:10-1:00  F 9:00-11:50
- **4253030** 6 TR 12:10-1:00  M 2:30-5:30
- **4253035** 7 TR 12:10-1:00  T 2:30-5:30
- **4253040** 8 TR 12:10-1:00  W 2:30-5:30
- **4253045** 9 TR 12:10-1:00  R 2:30-5:30
- **4253050** 10 TR 12:10-1:00  F 2:30-5:30

#### DEV&GUID: M领导 3-8 HD FS 221  3 CR.

#### ADOLESCENT DEVELOPMENT HD FS 227  3 CR.
- **2193010** 1 TR 9:30-10:50  M 3:10-6:00PM
- **2193015** 2 TR 9:30-10:50  T 3:10-6:00PM
- **2193020** 3 TR 9:30-10:50  W 3:10-6:00PM
- **2193025** 4 TR 9:30-10:50  R 3:10-6:00PM
- **2193030** 5 TR 9:30-10:50  F 3:10-6:00PM

#### HOUSING & CONSUMER ISS HD FS 239  3 CR.
- **3494005** 1A MWF 2:10-3:00
  - **3494010** 1B MWF 2:10-3:00

#### LIT FOR CHILDREN HD FS 240  3 CR.
- **2194005** 1 TR 3:40-5:00

#### RSRCH IN HUM DV&PAM HD FS 269  3 CR.
- **2197005** 1 MF 10:00-10:50  W 9:00-9:50
- **2197010** 2 MF 10:00-10:50  W 10:00-10:50

#### HUMAN SEXUALITY HD FS 276  3 CR.
- **3496005** 1 TR 12:40-2:00

#### ASS'MT&CUR: BRTH-2YR HD FS 340  4 CR.
- **8686005** 1 TR 12:40-2:00  HUGHES K
- **8686010** 2 TR 12:40-2:00  HUGHES K
- **8686015** 3 TR 12:40-2:00  HUGHES K
- **8686020** 4 TR 12:40-2:00  HUGHES K
- **8686025** 5 TR 12:40-2:00  HUGHES K
- **8686030** 6 TR 12:40-2:00  HUGHES K
- **8686035** 7 TR 12:40-2:00  HUGHES K
- **8686040** 8 TR 12:40-2:00  HUGHES K

#### FAMILY FINANCIAL MGT HD FS 283  3 CR.
- **3499005** 1 TR 8:00-8:50  T 2:10-3:00

#### FLD EXP EARLY CHILD HD FS 317A  VAR. CR.
- **3496005** 1A TR 12:40-2:00
  - **3496010** 2A TR 12:40-2:00

#### FLD EXP FAMILY SERV HD FS 317B  VAR. CR.
- **2197005** 1 TR 8:00-8:50  M 8:00-11:50
- **2197010** 2 TR 8:00-8:50  W 8:00-11:50

#### FLD EXP EARLY SP ED HD FS 317C  VAR. CR.
- **8686005** 1 TR 12:40-2:00  HUGHES K
- **8686010** 2 TR 12:40-2:00  HUGHES K
- **8686015** 3 TR 12:40-2:00  HUGHES K
- **8686020** 4 TR 12:40-2:00  HUGHES K
- **8686025** 5 TR 12:40-2:00  HUGHES K
- **8686030** 6 TR 12:40-2:00  HUGHES K
- **8686035** 7 TR 12:40-2:00  HUGHES K
- **8686040** 8 TR 12:40-2:00  HUGHES K

#### FLD EXP FAMILY MGT HD FS 317D  VAR. CR.
- **3496005** 1 TR 12:40-2:00  HUGHES K
- **3496010** 2 TR 12:40-2:00  HUGHES K
- **3496015** 3 TR 12:40-2:00  HUGHES K
- **3496020** 4 TR 12:40-2:00  HUGHES K
- **3496025** 5 TR 12:40-2:00  HUGHES K
- **3496030** 6 TR 12:40-2:00  HUGHES K

#### FLD EXP INF/TODDLER HD FS 317E  VAR. CR.
- **3496005** 1 TR 12:40-2:00  HUGHES K
- **3496010** 2 TR 12:40-2:00  HUGHES K
- **3496015** 3 TR 12:40-2:00  HUGHES K
- **3496020** 4 TR 12:40-2:00  HUGHES K
- **3496025** 5 TR 12:40-2:00  HUGHES K
- **3496030** 6 TR 12:40-2:00  HUGHES K

#### FLD EXPRNC RESEARCH HD FS 317F  VAR. CR.
- **3496005** 1 TR 12:40-2:00  HUGHES K
- **3496010** 2 TR 12:40-2:00  HUGHES K
- **3496015** 3 TR 12:40-2:00  HUGHES K
- **3496020** 4 TR 12:40-2:00  HUGHES K
- **3496025** 5 TR 12:40-2:00  HUGHES K
- **3496030** 6 TR 12:40-2:00  HUGHES K

#### FLD EXP FAM RES MGT HD FS 317G  VAR. CR.
- **3496005** 1 TR 12:40-2:00  HUGHES K
- **3496010** 2 TR 12:40-2:00  HUGHES K
- **3496015** 3 TR 12:40-2:00  HUGHES K
- **3496020** 4 TR 12:40-2:00  HUGHES K
- **3496025** 5 TR 12:40-2:00  HUGHES K
- **3496030** 6 TR 12:40-2:00  HUGHES K

#### FLD EXP HOUS PROG HD FS 317K  VAR. CR.
- **3496005** 1 TR 12:40-2:00  HUGHES K
- **3496010** 2 TR 12:40-2:00  HUGHES K
- **3496015** 3 TR 12:40-2:00  HUGHES K
- **3496020** 4 TR 12:40-2:00  HUGHES K
- **3496025** 5 TR 12:40-2:00  HUGHES K
- **3496030** 6 TR 12:40-2:00  HUGHES K

#### FAMILY INCOME & FINANCE HD FS 233  3 CR.
- **3494005** 1A TR 2:10-3:00  M 8:00-11:50
- **3494010** 1B TR 2:10-3:00  W 8:00-11:50

#### FIELD EXP HUMAN DEVELOPMENT & FAMILY STUDIES

#### FAMILY INCOME & FINANCE HD FS 233  3 CR.
- **3494005** 1A TR 2:10-3:00  M 8:00-11:50
- **3494010** 1B TR 2:10-3:00  W 8:00-11:50

#### FIELD EXP HUMAN DEVELOPMENT & FAMILY STUDIES

#### FAMILY INCOME & FINANCE HD FS 233  3 CR.
- **3494005** 1A TR 2:10-3:00  M 8:00-11:50
- **3494010** 1B TR 2:10-3:00  W 8:00-11:50
HUMAN DEVELOPMENT & FAMILY STUDIES

ASS'MT&CUR: BRTH-2YR HD FS 340 4 CR.
PREREQ: 211; 240; 269 OR PSYCH 333
COURSE RESTRICTED TO CH FS, ECE E, ECE F JUNIORS
AND SENIORS ONLY. LAB PLACEMENT LOCATIONS ASSIGNED
AT FIRST LECTURE CLASS.
PROFESSIONAL SUPPORT FEE $25.00
8686045  9 TR 2:10-3:30           HUGHES K
R 8:00-11:50           HUGHES K
8686050 10 TR 2:10-3:30           HUGHES K
F 8:00-11:50           HUGHES K

ASS'MT&PROG: AGE 3-6 HD FS 343 4 CR.
PREREQ: 221; 240; 269 OR PSYCH 333
COURSE RESTRICTED TO CH FS, ECE E, ECE F JUNIORS
AND SENIORS ONLY. LAB PLACEMENT LOCATIONS ASSIGNED
AT FIRST LECTURE CLASS.
PROFESSIONAL SUPPORT FEE $25.00
2205005  1 TR 12:40-2:00            HUGHES K
M 8:00-11:50           HUGHES K
2205010  2 TR 12:40-2:00            HUGHES K
T 8:00-11:50           HUGHES K
2205015  3 TR 12:40-2:00            HUGHES K
W 8:00-11:50           HUGHES K
2205020  4 TR 12:40-2:00            HUGHES K
R 8:00-11:50           HUGHES K
2205025  5 TR 12:40-2:00            HUGHES K
F 8:00-11:50           HUGHES K

ADAPT PROG INCL SET HD FS 345 3 CR.
PREREQ: CR OR CONCURRENT ENRLMT IN 343; SP ED 250
COURSE RESTRICTED TO CH FS, ECE E, ECE F JUNIORS
AND SENIORS ONLY
4449005  TR 3:40-5:00

FAMILY DIVERSITY ISS HD FS 349 3 CR.
PREREQ: SOPHOMORE CLASSIFICATION
COURSE RESTRICTED TO CH FS, ECE E, ECE F, F R M,
H N E AND FCEDS MAJORS ONLY
MEETS U.S. DIVERSITY REQMT.
2207005  1 TR 9:30-10:50
2207010  2 TR 2:10-3:30

ABUSE IN FAMILIES HD FS 367 3 CR.
PREREQ: 9 CREDITS IN SOCIAL SCIENCES
COURSE RESTRICTED TO CH FS, ECE F, F R M
AND H N E MAJORS ONLY
9193005  TR 3:40-5:00

COMM HUM&FAMILY DEV HD FS 370 3 CR.
PREREQ: 3 CREDITS IN SOCIAL SCIENCES
COURSE RESTRICTED TO CH FS, ECE F, F R M,
H N E MAJORS ONLY
3503005  TR 9:30-10:50

DEATH PART OF LIVING HD FS 373 3 CR.
PREREQ: 102
FIELD TRIPS & TRAVEL FEE $10.00
3505005  1 TR 8:00-9:20

CHLD, FAM&PUB POLCY HD FS 395 3 CR.
PREREQ: 6 CREDITS IN SOCIAL SCIENCES
1155005  1 MWF 9:00-9:50

SUPR TCHG PRESCHOOL HD FS 417B 8 CR.
PREREQ: GPA 2.5; FULL ADMISSION TO TEACHER EDUC
PROGRAM, 455; 456
PROFESSIONAL SUPPORT FEE $100.00
2212005  ARRANGED

HUMAN DEVELOPMENT & FAMILY STUDIES

SUP TCH EARLY SP ED HD FS 417C 8 CR.
PREREQ: GPA 2.5; FULL ADMISSION TO TEACHER EDUCATION PROGRAM, 455; 456, ENROLLMENT IN C 1 417
PROFESSIONAL SUPPORT FEE $100.00
2213005  ARRANGED

ADMIN PROG FOR CHLD HD FS 445 3 CR.
PREREQ: 340 OR 343
2220005 W 6:00-9:00PM

LINK FAMLY&COMMUNITY HD FS 449 3 CR.
PREREQ: 269 OR PSYCH 333
RESTRICTED TO CH FS, ECE F, F R M & H N E JUNIORS
AND SENIORS
AVAILABLE FOR NONMAJOR GRADUATE CREDIT.
2221005  1 TR 12:40-2:00
2221010  2 M 6:00-8:50PM

CURR--AGES 3 THRU 6 HD FS 455 4 CR.
PREREQ: 343, 345
PROFESSIONAL SUPPORT FEE $25.00
AVAILABLE FOR NONMAJOR GRADUATE CREDIT.
2222005  1 TR 12:40-2:00
2222010  2 TR 12:40-2:00
2222015  3 TR 12:40-2:00
2222020  4 TR 12:40-2:00
2222025  5 TR 12:40-2:00
2222030  6 TR 12:40-2:00
2222035  7 TR 12:40-2:00

FAM-FOC INTRVN CHIL HD FS 456 3 CR.
PREREQ: 340, 345
AVAILABLE FOR NONMAJOR GRADUATE CREDIT.
7563005  TR 2:10-3:30

HOUSING THE AGING HD FS 463 3 CR.
PREREQ: 360 OR 3 CREDITS IN HOUSING, ARCH,
INTERIOR DESIGN, REHABILITATION, PSYCH OR HD FS
FIELD TRIPS & TRAVEL FEE $10.00
MEETS U.S. DIVERSITY REQMT.
3522005  TR 11:00-12:20

ENTREPRENEURSHIP FCS HD FS 474 3 CR.
PREREQ: 6 CREDITS IN HD FS AT 300-LEVEL OR ABOVE
FIELD TRIPS & TRAVEL FEE $0.00-$10.00
3597005  R 6:00-8:30PM

ADV FAM FINANCL MGT HD FS 483 3 CR.
PREREQ: 283
AVAILABLE FOR NONMAJOR GRADUATE CREDIT.
3525005  MWF 1:10-2:00

FAMILY IN ECONOMY HD FS 488 3 CR.
PREREQ: ECON 101
AVAILABLE FOR NONMAJOR GRADUATE CREDIT.
3526005  MWF 10:00-10:50
HUMAN DEVELOPMENT & FAMILY STUDIES

FAMILY FIN COUN LAB HD FS 489L 1-2 CR.
PREREQ: 489
8102005 1 ARRANGED

IND STD CHILD&FAMILY HD FS 490A VAR. CR.
PREREQ: 6 CREDITS IN HD FS
******* SEE DEPT FOR REFERENCE NUMBERS

INDEP STUDY HOUSING HD FS 490B VAR. CR.
PREREQ: 6 CREDITS IN HD FS
******* SEE DEPT FOR REFERENCE NUMBERS

IND STD RESOURC MGT HD FS 490C VAR. CR.
PREREQ: 6 CREDITS IN HD FS
******* SEE DEPT FOR REFERENCE NUMBERS

IND STDY EARLY EDUC HD FS 490F VAR. CR.
PREREQ: 6 CREDITS IN HD FS
******* SEE DEPT FOR REFERENCE NUMBERS

IND ST EARLY SPL ED HD FS 490G VAR. CR.
PREREQ: 6 CREDITS IN HD FS
******* SEE DEPT FOR REFERENCE NUMBERS

INDEP STUDY HONORS HD FS 490H VAR. CR.
PREREQ: 6 CR IN HD FS, MEMBERSHIP IN HONORS PROG
******* SEE DEPT FOR REFERENCE NUMBERS

IND ST HUM DEV&FMLY HD FS 490I VAR. CR.
PREREQ: 6 CREDITS IN HD FS
******* SEE DEPT FOR REFERENCE NUMBERS

PRACTICUM HD FS 491 4-8 CR.
SATISFACTORY-FAIL ONLY.
PREREQ: 449; INSTRUCTOR PERMISSION. RESERVATION
REQUIRED ONE SEMESTER BEFORE PLACEMENT.
******* SEE DEPT FOR REFERENCE NUMBERS

WORKSHOP HD FS 493 VAR. CR.
PREREQ: SENIOR CLASSIFICATION
8446005 ARRANGED

RESRCH MTHDS HDFS HD FS 503 4 CR.
PREREQ: STAT 401 OR RESERV 553
3544005 M 6:00-9:00PM
R 3:10-5:30

HOUS &SOCIAL ENVIRO HD FS 521 3 CR.
PREREQ: GRADUATE CLASSIFICATION; 511 OR 6 CREDITS
IN SOCIAL SCIENCES
3548005 TR 2:10-3:30

DEVEL DISABIL CHILD HD FS 538 3 CR.
PREREQ: 9 CREDITS IN HD FS OR PSYCH
2235005 T 6:00-9:00PM

HUMAN DEVELOPMENT & FAMILY STUDIES

HOUSING THE AGING HD FS 563 3 CR.
PREREQ: 360 OR 3 CREDITS IN HOUSING, ARCH,
INTERIOR DESIGN, REHABILITATION, PSYCH OR HD FS
MEETS U.S. DIVERSITY REQMT.
4474005 TR 11:00-12:20

PUB POLCY IMPCT FAM HD FS 566 3 CR.
PREREQ: 9 CREDITS IN SOCIAL SCIENCES
3553005 MWF 12:10-1:00

MARITL THERPY&ASESS HD FS 571 3 CR.
PREREQ: 9 CREDITS IN SOCIAL SCIENCES
7582005 T 9:00-12:00

ETHICS FAMLY THERAP HD FS 573 3 CR.
PREREQ: 571
8058005 W 1:10-4:00

FAMILY INTERACT DYN HD FS 579 3 CR.
PREREQ: 9 CREDITS IN SOCIAL SCIENCES
3559005 W 1:10-3:45

SPCL TOP FAMILY STD HD FS 590A VAR. CR.
PREREQ: PERMISSION OF INSTRUCTOR
******* SEE DEPT FOR REFERENCE NUMBERS

SPL TOPICS HOUSING HD FS 590B VAR. CR.
PREREQ: PERMISSION OF INSTRUCTOR
******* SEE DEPT FOR REFERENCE NUMBERS

SPL TOP RESOURC MGT HD FS 590C VAR. CR.
PREREQ: PERMISSION OF INSTRUCTOR
******* SEE DEPT FOR REFERENCE NUMBERS

SPL TOP HUMAN DEVEL HD FS 590D VAR. CR.
PREREQ: PERMISSION OF INSTRUCTOR
******* SEE DEPT FOR REFERENCE NUMBERS

SPL TOP CHILD DEVEL HD FS 590E VAR. CR.
PREREQ: PERMISSION OF INSTRUCTOR
******* SEE DEPT FOR REFERENCE NUMBERS

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

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

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

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

SPL TOP FAMLY POLCY HD FS 590N VAR. CR.
PREREQ: PERMISSION OF INSTRUCTOR
******* SEE DEPT FOR REFERENCE NUMBERS
**HUMAN DEVELOPMENT & FAMILY STUDIES**

**PRACTICUM FAM STUDI**  HD FS 591A VARIOUS CREDITS
- PREREQ: 10 GRAD CREDITS
- SEE DEPT FOR REFERENCE NUMBERS

**PRACTICUM HOUSING**  HD FS 591B VARIOUS CREDITS
- PREREQ: 10 GRAD CREDITS
- SEE DEPT FOR REFERENCE NUMBERS

**PRACTM RESOURCE MGT**  HD FS 591C VARIOUS CREDITS
- PREREQ: 10 GRAD CREDITS
- SEE DEPT FOR REFERENCE NUMBERS

**PRACTICUM HUM DEVELOP**  HD FS 591D VARIOUS CREDITS
- PREREQ: 10 GRAD CREDITS
- SEE DEPT FOR REFERENCE NUMBERS

**PRACTICUM CHILD DEVELOP**  HD FS 591E VARIOUS CREDITS
- PREREQ: 10 GRAD CREDITS
- SEE DEPT FOR REFERENCE NUMBERS

**PRACTICUM EARLY EDUC**  HD FS 591F VARIOUS CREDITS
- PREREQ: 10 GRAD CREDITS
- SEE DEPT FOR REFERENCE NUMBERS

**PRACTICUM EARLY SPL ED**  HD FS 591G VARIOUS CREDITS
- PREREQ: 10 GRAD CREDITS
- SEE DEPT FOR REFERENCE NUMBERS

**PRACT HUM DEV, FAMILY**  HD FS 591I VARIOUS CREDITS
- PREREQ: 10 GRAD CREDITS
- SEE DEPT FOR REFERENCE NUMBERS

**ADV TOPICS THERAPY**  HD FS 690M VARIOUS CREDITS
- PREREQ: INSTR PERMISSION, ENROLLMENT IN PH.D. PROG
- SEE DEPT FOR REFERENCE NUMBERS

**ADV TOP FAMILY STDS**  HD FS 690A VARIOUS CREDITS
- PREREQ: INSTR PERMISSION, ENROLLMENT IN PH.D. PROG
- SEE DEPT FOR REFERENCE NUMBERS

**ADV TOPICS HOUSING**  HD FS 690B VARIOUS CREDITS
- PREREQ: INSTR PERMISSION, ENROLLMENT IN PH.D. PROG
- SEE DEPT FOR REFERENCE NUMBERS

**ADV TOP RESOURC MGT**  HD FS 690C VARIOUS CREDITS
- PREREQ: INSTR PERMISSION, ENROLLMENT IN PH.D. PROG
- SEE DEPT FOR REFERENCE NUMBERS

**ADV TOP HUMAN DEVELOP**  HD FS 690D VARIOUS CREDITS
- PREREQ: INSTR PERMISSION, ENROLLMENT IN PH.D. PROG
- SEE DEPT FOR REFERENCE NUMBERS

**ADV TOP CHILD DEVELOP**  HD FS 690E VARIOUS CREDITS
- PREREQ: INSTR PERMISSION, ENROLLMENT IN PH.D. PROG
- SEE DEPT FOR REFERENCE NUMBERS

**ADV TOP EARLY EDUC**  HD FS 690F VARIOUS CREDITS
- PREREQ: INSTR PERMISSION, ENROLLMENT IN PH.D. PROG
- SEE DEPT FOR REFERENCE NUMBERS

**ADV TOP EARLY SP ED**  HD FS 690G VARIOUS CREDITS
- PREREQ: INSTR PERMISSION, ENROLLMENT IN PH.D. PROG
- SEE DEPT FOR REFERENCE NUMBERS

**ADV TOP HUMAN, FAMILY**  HD FS 690I VARIOUS CREDITS
- PREREQ: INSTR PERMISSION, ENROLLMENT IN PH.D. PROG
- SEE DEPT FOR REFERENCE NUMBERS

**ADV TOPICS THERAPY**  HD FS 690M VARIOUS CREDITS
- PREREQ: INSTR PERMISSION, ENROLLMENT IN PH.D. PROG
- SEE DEPT FOR REFERENCE NUMBERS

**COLLEG TCH INTERNSHP**  HD FS 691A VARIOUS CREDITS
- SATISFACTORY-FAIL ONLY.
- PREREQ: PERMISSION OF INSTRUCTOR
- SEE DEPT FOR REFERENCE NUMBERS

**RESEARCH INTERNSHIP**  HD FS 691B VARIOUS CREDITS
- SATISFACTORY-FAIL ONLY.
- PREREQ: PERMISSION OF INSTRUCTOR
- SEE DEPT FOR REFERENCE NUMBERS

**PAM THRPY INTERNSHP**  HD FS 691C VARIOUS CREDITS
- SATISFACTORY-FAIL ONLY.
- PREREQ: PERMISSION OF INSTRUCTOR
- SEE DEPT FOR REFERENCE NUMBERS

**RSRCH FAMILY STUDIES**  HD FS 699A VARIOUS CREDITS
- SATISFACTORY-FAIL ONLY.
- SEE DEPT FOR REFERENCE NUMBERS

**RSRCH HOUSING**  HD FS 699B VARIOUS CREDITS
- SATISFACTORY-FAIL ONLY.
- SEE DEPT FOR REFERENCE NUMBERS

**PROPOSAL WRITNG PRO**  HD FS 595X 1 CREDITS
- SATISFACTORY-FAIL ONLY.
- PREREQ: ENROLLMENT IN FCEDS GRADUATE PROGRAM, THE MPCS PROGRAM, OR THE DIETETICS CERTIFICATE PROGRAM
- INSTRUCTOR PERMISSION REQUIRED, PROCESS APPROVED ADD SLIP TO 10 ALUMNI HALL
- 8129005 ARRANGED
- COURSE DELIVERY IS WWW

**ADV QUANTITATV METH**  HD FS 603 3 CREDITS
- PREREQ: 503; STAT 402, 403, OR 404
- 2239005 MW 2:10-3:30

**PERSP OF PSYCHOPATHY**  HD FS 616P 1 CREDIT
- SYSTEMIC AND RELATIONAL PERSPECTIVES OF PSYCHOPATHOLOGY
- 8521005 W 11:00-12:30
SPRING 2005     Last Updated 09-17-2004

HUMAN DEVELOPMENT & FAMILY STUDIES

RES FAM RESOURC MGT   HD FS 699C VAR. CR.
SATISFACTORY-FAIL ONLY.
       **       SEE DEPT FOR REFERENCE NUMBERS

RESEARCH HUMAN DEV   HD FS 699D VAR. CR.
SATISFACTORY-FAIL ONLY.
       **       SEE DEPT FOR REFERENCE NUMBERS

RESEARCH CHILD DEV   HD FS 699E VAR. CR.
SATISFACTORY-FAIL ONLY.
       **       SEE DEPT FOR REFERENCE NUMBERS

RES EARLY CHLDHD ED   HD FS 699F VAR. CR.
SATISFACTORY-FAIL ONLY.
       **       SEE DEPT FOR REFERENCE NUMBERS

RES EARLY CH SPL ED   HD FS 699G VAR. CR.
SATISFACTORY-FAIL ONLY.
       **       SEE DEPT FOR REFERENCE NUMBERS

RES HUM DEV&FAM STD   HD FS 699I VAR. CR.
SATISFACTORY-FAIL ONLY.
       **       SEE DEPT FOR REFERENCE NUMBERS

RES MAR&FAM THERAPY   HD FS 699M VAR. CR.
SATISFACTORY-FAIL ONLY.
       **       SEE DEPT FOR REFERENCE NUMBERS

RSRCH FAMILY POLICY   HD FS 699N VAR. CR.
SATISFACTORY-FAIL ONLY.
       **       SEE DEPT FOR REFERENCE NUMBERS

IMMUNOBIOLOGY

SEMINAR IMMUNOBIOLOG IMBIO 604  1 CR.
5949005     ARRANGED

SPECIAL TOPICS IMBIO 690  VAR. CR.
5986005     ARRANGED

GRAD RSEARCH ROTATN IMBIO 697  VAR. CR.
5991005     ARRANGED

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

INDUSTRIAL ENGINEERING

ORIENTATION I E 101  R CR.
SATISFACTORY-FAIL ONLY.
4402005  W 2:10-3:00

INFO ENGINEERING I E 148  3 CR.
PREREQ: CREDIT OR ENROLLMENT IN MATH 142
5037005  A1 MW 3:10-4:00
5037010  A2 MW 3:10-4:00

APP ERGON& WORK DSN I E 271  3 CR.
PREREQ: PHYS 221
5169005  A1 TR 3:40-5:00
5169010  A2 TR 3:40-5:00

COOPERATIVE EDUCATN I E 398  R CR.
SATISFACTORY-FAIL ONLY.
PREREQ: PERMISSION OF DEPARTMENT
PERMISSION OF ADVISER & CAREER SERVICES REQUIRED, COLLEGE WILL REGISTER STUDENT
4424005  ARRANGED

ENGR ECONOMIC ANALY I E 305  3 CR.
PREREQ: MATH 166
AVAILABLE FOR NONMAJOR GRADUATE CREDIT.
4425005  A MWF 2:10-3:00
4425010  B MWF 2:10-3:00

ENGR INTERNSHIP I E 397  R CR.
SATISFACTORY-FAIL ONLY.
PREREQ: PERMISSION OF DEPARTMENT
PERMISSION OF ADVISER & CAREER SERVICES REQUIRED, COLLEGE WILL REGISTER STUDENT
8699005  ARRANGED

SOLIDIFICATN PROCES I E 348  3 CR.
PREREQ: 248
COURSE RESTRICTED TO I E MAJORS ONLY, OTHER MAJORS BY PERMISSION OF INSTRUCTOR. LECTURE MEETS 30 OF 45 PERIODS. SEE SYLLABUS.
MATERIALS FEE $20.00
AVAILABLE FOR NONMAJOR GRADUATE CREDIT.
5810005  A MF 9:00-9:50
5810010  B MF 9:00-9:50
5810015  C MF 9:00-9:50
5810020  D MF 9:00-9:50
5810025  E MF 9:00-9:50
5810030  F MF 9:00-9:50

STAT QUALITY ASSURN I E 361  3 CR.
PREREQ: STAT 231 OR 401
AVAILABLE FOR NONMAJOR GRADUATE CREDIT.
4416005  A MWF 1:10-2:00
4416010  B MWF 1:10-2:00

WMN& MEN ENGR WRKPLC I E 325X  3 CR.
PREREQ: ENGL 105
MEETS U.S. DIVERSITY REQMT.
8403005  A1 MW 11:00-11:50
8403010  A2 MW 11:00-11:50

ENGR ORIENTATION I E 298  R CR.
SATISFACTORY-FAIL ONLY.
PREREQ: PERMISSION OF DEPARTMENT
PERMISSION OF ADVISER & CAREER SERVICES REQUIRED, COLLEGE WILL REGISTER STUDENT
4407005  ARRANGED

COOPERATIVE EDUCATN I E 398  R CR.
SATISFACTORY-FAIL ONLY.
PREREQ: 298, PERMISSION OF DEPARTMENT
PERMISSION OF ADVISER & CAREER SERVICES REQUIRED, COLLEGE WILL REGISTER STUDENT
4442005  ARRANGED
INDUSTRIAL ENGINEERING

INTDISCIP PROB SOLV I E 408 3 CR.
PREREQ: JUNIOR OR SENIOR CLASSIFICATION
AVAILABLE FOR NONMAJOR GRADUATE CREDIT.
5899005 A MW 9:00-11:50
SECT A: JAN 10-MARCH 11
5899010 B MW 2:10-5:00
SECT B: JAN 10-MARCH 11

MANUF SYSTMS MODLNG I E 419 3 CR.
PREREQ: STAT 231
AVAILABLE FOR NONMAJOR GRADUATE CREDIT.
8120005 MWF 2:10-3:00

INDUSR ENGR DESIGN I E 441 3 CR.
PREREQ: 271, 305, 312, 348, 413
COURSE RESTRICTED TO I E, IMSE MAJORS ONLY
AVAILABLE FOR NONMAJOR GRADUATE CREDIT.
4432005 A T 12:40-2:00
TR 2:10-5:00
4432010 B T 12:40-2:00
TR 9:00-11:50

MULTIDISC ENGR DSGN I E 466 3 CR.
PREREQ: COURSE TO BE TAKEN WITHIN 2 SEMESTERS OF
GRADUATION, PERMISSION OF INSTRUCTOR
1902005 T 3:10-4:00
TR 4:10-6:00PM
DEPARTMENT PERMISSION REQUIRED, PROCESS
APPROVED ADD SLIP IN 10 ALUMNI HALL

IND STDY MANUFACTRG I E 490A 1-5 CR.
SATISFACTORY-FAIL ONLY.
PREREQ: SR CLASSIFICATION, PERMISSION OF INSTR
******* SEE DEPT FOR REFERENCE NUMBERS

IND STD HUMAN FACTR I E 490B 1-5 CR.
SATISFACTORY-FAIL ONLY.
PREREQ: SR CLASSIFICATION, PERMISSION OF INSTR
******* SEE DEPT FOR REFERENCE NUMBERS

IND STD OPER RESRCH I E 490C 1-5 CR.
SATISFACTORY-FAIL ONLY.
PREREQ: SR CLASSIFICATION, PERMISSION OF INSTR
******* SEE DEPT FOR REFERENCE NUMBERS

IND STD ENTRPSE CMP I E 490D 1-5 CR.
SATISFACTORY-FAIL ONLY.
PREREQ: SR CLASSIFICATION, PERMISSION OF INSTR
******* SEE DEPT FOR REFERENCE NUMBERS

INDEP STDY ENGR MGT I E 490E 1-5 CR.
SATISFACTORY-FAIL ONLY.
PREREQ: SR CLASSIFICATION, PERMISSION OF INSTR
******* SEE DEPT FOR REFERENCE NUMBERS

INDEP STUDY HONORS I E 490H 1-5 CR.
SATISFACTORY-FAIL ONLY.
PREREQ: SR CLASSIFICATION, PERMISSION OF INSTR
UNIV HONORS PROGRAM MEMBERSHIP
******* SEE DEPT FOR REFERENCE NUMBERS

INDUSTRIAL ENGINEERING

COOPERATIVE EDUCATN I E 498 R CR.
SATISFACTORY-FAIL ONLY.
PREREQ: 298, PERMISSION OF DEPARTMENT
PERMISSION OF ADVISER & CAREER SERVICES REQUIRED,
COLLEGE WILL REGISTER STUDENT
4442005 ARRANGED

ANALY STOCHASTC SYS I E 513 3 CR.
PREREQ: STAT 231
6974005 TR 3:40-5:00

SIMULATN MODEL&ANLY I E 519 3 CR.
PREREQ: COM S 311, STAT 401
4454005 MWF 9:00-9:50

QUAL CNTRL&ENG STAT I E 531 3 CR.
PREREQ: STAT 342 OR 447
4457005 TR 3:40-5:00

INVENTORY&PROD PLAN I E 541 3 CR.
PREREQ: 341
4463005 MWF 1:10-2:00

CMPTR GRPH&GEOM MOD I E 557 3 CR.
PREREQ: M E 421, PROGRAMMING EXPERIENCE IN C
7694005 TR 12:40-2:00

CON Qual IMPRV PROC I E 561 3 CR.
PREREQ: 361
7304005 MW 3:40-5:00

APPLIED SYSTEMS ENG I E 566 3 CR.
PREREQ: 565
5704005 TR 8:00-9:15

INTRACT METH TCHNOL I E 574X 3 CR.
PREREQ: COM S 227 AND 228 OR PROGRAMMING SKILLS
IN C++ AND JAVA OR PERMISSION OF INSTRUCTOR
AVAILABLE FOR NONMAJOR GRADUATE CREDIT.
7755005 TR 9:30-10:50

REQUIREMNTS ENGRING I E 585X 3 CR.
PREREQ: 148 AND GRADUATE CLASSIFICATION IN
ENGINEERING
8181005 TR 2:10-3:30

SPL TOP MANUFACTRG I E 590A 1-5 CR.
SATISFACTORY-FAIL ONLY.
******* SEE DEPT FOR REFERENCE NUMBERS

SPL TOP HUMAN FACTR I E 590B 1-5 CR.
SATISFACTORY-FAIL ONLY.
******* SEE DEPT FOR REFERENCE NUMBERS

SPL TOP OPER RESRCH I E 590C 1-5 CR.
SATISFACTORY-FAIL ONLY.
******* SEE DEPT FOR REFERENCE NUMBERS

SPL TOP ENTERP CMP I E 590D 1-5 CR.
SATISFACTORY-FAIL ONLY.
******* SEE DEPT FOR REFERENCE NUMBERS
INDUSTRIAL ENGINEERING

SPL TOPICS ENGR MGT  I E  590E  1- 5 CR.
SATISFACTORY-FAIL ONLY.
*******  SEE DEPT FOR REFERENCE NUMBERS

CREAT COMP IND ENGR  I E  599A VAR.  CR.
SATISFACTORY-FAIL ONLY.
*******  SEE DEPT FOR REFERENCE NUMBERS

CREAT COMP OPER RES  I E  599C VAR.  CR.
SATISFACTORY-FAIL ONLY.
*******  SEE DEPT FOR REFERENCE NUMBERS

ADVANCED TOPICS  I E  690  VAR.  CR.
SATISFACTORY-FAIL ONLY.
*******  SEE DEPT FOR REFERENCE NUMBERS

ENGINEER INTERNSHIP  I E  697  R CR.
SATISFACTORY-FAIL ONLY.
PREREQ: PERMISSION OF DEPARTMENT
7999005  ARRANGED

INDUS ENGR RESEARCH  I E  699A VAR.  CR.
SATISFACTORY-FAIL ONLY.
*******  SEE DEPT FOR REFERENCE NUMBERS

OPERATION RESEARCH  I E  699C VAR.  CR.
SATISFACTORY-FAIL ONLY.
*******  SEE DEPT FOR REFERENCE NUMBERS

INDUSTRIAL RELATIONS

INTERNSHIP  I R  598  1- 6 CR.
SATISFACTORY-FAIL ONLY.
PREREQ: GRAD ENROLLMENT IN INDUSTRIAL RELATNS
4492005  ARRANGED

CREATIVE COMPONENT  I R  599  3- 4 CR.
SATISFACTORY-FAIL ONLY.
*******  SEE DEPT FOR REFERENCE NUMBERS

RESEARCH  I R  699  1- 6 CR.
SATISFACTORY-FAIL ONLY.
*******  SEE DEPT FOR REFERENCE NUMBERS

INDUSTRIAL TECHNOLOGY

INTRO INDUS TECHNOL  I TEC 110  1 CR.
4495005  A T 2:10-3:00

INTR TO DESIGN ITEC  I TEC 120  3 CR.
MATERIALS FEE $15.00
4496005  A M 10:00-10:50
4497005  A M 12:10-1:00

NON-METAL MFG MTRLS  I TEC 130  3 CR.
MATERIALS FEE $50.00
4497005  A M 12:10-1:00

ELECTRICAL FUNDAMENTL  I TEC 140  3 CR.
PREREQ: MATH 160
MATERIALS FEE $25.00
4498005  A M 8:00-8:50

ADV TECH GRPHCS&CAD  I TEC 224  3 CR.
PREREQ: 120
MATERIALS FEE $20.00
4504005  A M 12:10-1:00
4505005  A M 2:10-3:00
TR 8:00-9:50

METALLIC MTRL&PROC  I TEC 231  3 CR.
MATERIALS FEE $100.00
4505005  A M 2:10-3:00
TR 8:00-9:50

ANALOG MFG APP.  I TEC 240  3 CR.
PREREQ: 140
MATERIALS FEE $25.00
4507005  A M 1:10-2:00

PRIN INJURY PREVENT  I TEC 270  3 CR.
5625005  A TR 11:00-12:20

INTRO OCCUP SAFETY  I TEC 272  2 CR.
5626005  A TR 10:00-10:50

AUTOMATED MFG PROC  I TEC 336  3 CR.
PREREQ: 224, 231
COURSE RESTRICTED TO I TEC MAJORS ONLY
MATERIALS FEE $20.00
4522005  A W 8:00-9:50
4522010  B W 8:00-9:50
M 9:00-9:50
F 8:00-8:50
4522015  C W 8:00-9:50
M 10:00-10:50
F 8:00-8:50
4522020  D W 8:00-9:50
M 11:00-11:50
F 8:00-8:50
4522025  E W 8:00-9:50
M 12:10-1:00
F 8:00-8:50
4522030  F W 8:00-9:50
M 1:10-2:00
F 8:00-8:50

DIGITAL MFG APP.  I TEC 340  2 CR.
PREREQ: 240
MATERIALS FEE $25.00
4509005  A T 10:00-10:50

TOTAL QUAL IMPROVMT  I TEC 360  3 CR.
PREREQ: STAT 101, JUNIOR CLASSIFICATION
MATERIALS FEE $3.00
9202005  A TR 2:10-3:30

LEGAL ASPCT.OCC SAF  I TEC 394  3 CR.
5879005  A M 6:00-9:00PM

SEMINAR INDISTRAL TEC  I TEC 395  1 CR.
PREREQ: JUNIOR CLASSIFICATION
MATERIALS FEE $5.00
4556005  A R 11:00-11:50
INDUSTRIAL TECHNOLOGY

INTDISCIP PROB SOLV   I TEC 408      3 CR.
PREREQ: JUNIOR OR SENIOR STANDING
AVAILABLE FOR NONMAJOR GRADUATE CREDIT.
5919005   A MW 9:00-11:50
SECT A: JAN 10-MARCH 11
5919010   B MW 2:10-5:00
SECT B: JAN 10-MARCH 11

MATERIALS STATCS&STRNG   I TEC 423      3 CR.
PREREQ: 224; PHYS 111
MATERIALS FEE $10.00
4533005   A M 2:10-3:00
WF 2:10-4:00

ELECTRIC OUTPUTS MFG   I TEC 440      2 CR.
PREREQ: 240
MATERIALS FEE $20.00
3538005   A T 4:30-6:00PM
R 8:00-9:50

AUTOMATION SYSTEMS   I TEC 446      3 CR.
PREREQ: 340
MATERIALS FEE $35.00
7973005   A M 4:10-6:00PM
W 4:10-6:00PM

IND HYG:BIOL HAZARD   I TEC 470      3 CR.
PREREQ: 272; CHEM 163, 163L
MATERIALS FEE $5.00
5639005   A MW 4:10-5:30

INDUS INTERNSHIP EXP   I TEC 481      2 CR.
SATISFACTORY-FAIL ONLY.
PREREQ: 395, PERMISSION OF INTERNSHIP COORDINATOR
******* SEE DEPT FOR REFERENCE NUMBERS

INDEP STUDY HONORS   I TEC 490H      1- 5 CR.
PREREQ: GPA OF 2.5 OR BETTER FOR 2 PRECEDING SEM
AND COMPLETION OF AN INDEPENDENT STUDY CONTRACT.
UNIVERSITY HONORS PROGRAM MEMBERSHIP
******* SEE DEPT FOR REFERENCE NUMBERS

IND STUDY MANUFACTG   I TEC 490M      1- 5 CR.
PREREQ: GPA OF 2.5 OR BETTER FOR 2 PRECEDING SEM
AND COMPLETION OF AN INDEPENDENT STUDY CONTRACT
******* SEE DEPT FOR REFERENCE NUMBERS

IND STD OCCUP SAFET   I TEC 490O      1- 5 CR.
PREREQ: GPA OF 2.5 OR BETTER FOR 2 PRECEDING SEM
AND COMPLETION OF AN INDEPENDENT STUDY CONTRACT
******* SEE DEPT FOR REFERENCE NUMBERS

ADV DESIGN&MANUFACT   I TEC 502      3 CR.
PREREQ: PERMISSION OF INSTRUCTOR
4557005   A T 4:30-6:00PM

INTERNSHIP INDUS TEC   I TEC 549      1- 4 CR.
PREREQ: 10 HOURS IN INDUSTRIAL TECHNOLOGY
4646005   ARRANGED

INDUSTRIAL TECHNOLOGY

SPL TOP MANUFACTURG   I TEC 590M      1- 4 CR.
PREREQ: GRADUATE CLASSIFICATION IN INDUSTRIAL TECHNOLOGY
******* SEE DEPT FOR REFERENCE NUMBERS

SPL TOP OCCUP SAFET   I TEC 590O      1- 4 CR.
PREREQ: GRAD CLASSIFICATION IN INDUSTRIAL TECHNOLOGY
******* SEE DEPT FOR REFERENCE NUMBERS

SPL TOP TRAIN&DEVEL   I TEC 590T      1- 4 CR.
PREREQ: GRAD CLASSIFICATION IN INDUSTRIAL TECHNOLOGY
******* SEE DEPT FOR REFERENCE NUMBERS

CREATIVE COMPONENT   I TEC 599      1- 3 CR.
******* SEE DEPT FOR REFERENCE NUMBERS

PROGRAM&LEARNER EVAL   I TEC 652      3 CR.
PREREQ: STAT 401 OR EQUIVALENT
4585005   A T 6:00-9:00PM

CURRIC DEVELOP I TEC   I TEC 657      3 CR.
PREREQ: PERMISSION OF INSTRUCTOR
4588005   A W 6:00-9:00PM

RESEARCH   I TEC 699      VAR. CR.
******* SEE DEPT FOR REFERENCE NUMBERS

INFORMATION ASSURANCE

INFORMATION WARFARE   INFAS 532      3 CR.
PREREQ: CPR E 531
RESTRICTED TO E CPE, COM S, INFAS, LOMIS,
GRAD STUDENTS ONLY
8092005   TR 8:00-9:20

CRYPTOGRAPHY   INFAS 533      3 CR.
PREREQ: MATH 301 OR CPR E 310 OR COM S 330
COURSE RESTRICTED TO GRADUATE STUDENTS ONLY
8098005   MWF 1:10-2:00

INFO ASSUR LEGAL&ET  INFAS 534      3 CR.
PREREQ: CPR E 531
RESTRICTED TO E CPE, COM S, INFAS, LOMIS,
GRAD STUDENTS ONLY
8095005   A TR 9:30-10:50

INTR DIGTL DTA HDNG   INFAS 535X     3 CR.
PREREQ: CPR E 531 OR E E 524 OR MATH 533 (CPR E
533, INFAS 533)
8509005   TR 2:10-3:30

SEMNR INFO ASSURANC   INFAS 592      1- 3 CR.
PREREQ: PERMISSION OF INSTRUCTOR
5025005   ARRANGED

INTERDISCIPLINARY GRADUATE STUDIES

CREATIVE COMPONENT   IGS 599      VAR. CR.
4480005   ARRANGED

THESIS RESEARCH   IGS 699      VAR. CR.
4481005   ARRANGED
### INTERNATIONAL STUDIES

- **SEMMR INT'L STUDIES**  INTST 430  3 CR.  MEETS INTERNATIONAL PERSPECTIVES REQMT.  
  9583005  W 3:10-5:40

### ITALIAN

- **ELEM ITALIAN II**  ITAL 102  4 CR.  
  PREREQ: 101  
  TESTOUT NOT AVAILABLE IF ALSO REGISTERED  
  MATERIALS AND EQUIPMENT USE FEE $20.00  
  MEETS INTERNATIONAL PERSPECTIVES REQMT.  
  4609005  MTWRF 10:00-10:50  BERNARD R

### JOURNALISM & MASS COMMUNICATION

- **MASS MEDIA &SOCIETY**  JL MC 101  3 CR.  
  4656005  1 TR 9:30-10:50

- **JOURNAL&COMM ORIENT**  JL MC 110  R CR.  
  4657005  1 T 12:40-2:00  
  SEC 1 FOR STUDENTS NEW TO ISU FALL 2004, SUMMER 2004 OR SPRING 2005  
  4657010  2 R 12:40-2:00

- **REPORT&WRT MASS MD**  JL MC 201  3 CR.  
  PREREQ: ENGL 105 (OR TESTOUT); A SCORE OF 26 OR HIGHER ON THE ACT ENGLISH EXAM, 590 OR HIGHER ON THE SAT VERBAL EXAM OR A PASSING SCORE ON THE GREENLEE SCHOOL’S ENGLISH USAGE TEST  
  USAGE TEST & DEPT PERMISSION REQUIRED. SEC 1A, 2A, ETC. FOR JL MC, ADVRT, P JMC, P ADV MAJORS. SEC 1B, 2B, ETC. FOR ALL OTHER MAJORS.  
  DEPARTMENT PERMISSION REQUIRED, PROCESS APPROVED ADD SLIP IN 10 ALUMNI HALL  
  4658005  1A MW 10:30-1:00  ARRANGED  
  4658010  1B MW 10:30-1:00  ARRANGED  
  4658020  2A MW 3:30-6:00PM  
  4658025  3A TR 2:10-4:40  
  4658030  3B TR 2:10-4:40

- **INT REPORT MASS MED**  JL MC 202  3 CR.  
  PREREQ: 201 WITH A C+ OR BETTER  
  4659005  1 TR 9:30-10:50  
  4659010  2 MW 8:00-9:20, ARRANGED  
  4659015  3 TR 8:00-9:20, ARRANGED

- **PUBLICITY METHODS**  JL MC 205  3 CR.  
  PREREQ: ENGL 105, NOT FOR JL MC OR ADVRT MAJORS  
  JL MC & ADVRT MAJORS ARE NOT TO ENROLL IN JL MC 205. CREDIT DOES NOT APPLY TOWARD A DEGREE IN JL MC OR ADVRT.  
  4660005  1 TR 12:40-2:00

- **ELECTRON MEDIA WRIT**  JL MC 206  3 CR.  
  PREREQ: 201 WITH A C+ OR BETTER  
  8511005  1A TR 11:00-1:30  
  SEC 1A FOR JL MC, ADVRT, P JMC, P ADV MAJORS.  
  8511010  1B TR 11:00-1:30  
  SEC 1B FOR MAJORS OTHER THAN JL MC, ADVRT, P JMC, P ADV

### JOURNALISM & MASS COMMUNICATION

- **PRIN PUBLIC RELATNS**  JL MC 220  3 CR.  
  PREREQ: SOPHOMORE CLASSIFICATION  
  4684005  1 TR 2:10-3:30

- **STRATEG PLAN AD &PR**  JL MC 301  3 CR.  
  PREREQ: 220 OR ADVRT 230; MAJORS AND MINORS MUST ALSO HAVE CR OR CONCURRENT ENROLLMENT IN JL MC 201  
  SEC 1A, 2A RESTRICTED TO JL MC, ADVRT, P JMC, P ADV  
  3838005  1A TR 9:30-10:50  
  3838010  1B TR 9:30-10:50  
  3838015  2A TR 12:40-2:00  
  3838020  2B TR 12:40-2:00

- **ELECTRON MEDIA PROD**  JL MC 306  3 CR.  
  PREREQ: C+ OR BETTER IN 201  
  SEC 1A FOR JL MC, ADVRT, P JMC, P ADV MAJORS  
  8513005  1A TR 9:00-10:50  
  8513010  1B TR 9:00-10:50  
  8513015  2A TR 9:00-10:50  
  8513020  2B TR 9:00-10:50

- **FUND PHOTOJOURNALSM**  JL MC 310  3 CR.  
  PREREQ: 201  
  COURSE RESTRICTED TO JL MC, ADVRT, P JMC, P ADV MAJORS.  
  8688005  1 F 9:00-11:50, ARRANGED

- **MULTIMEDIA PRODUCTN**  JL MC 315  3 CR.  
  PREREQ: 342L OR 343L OR EQUIV COMPUTER DESIGN PROFICIENCY  
  4663005  1A TR 11:00-12:20  
  4663010  1B TR 11:00-12:20  
  4663015  2A TR 11:00-12:20  
  4663020  2B TR 11:00-12:20  
  4663025  3A TR 11:00-12:20  
  4663030  3B TR 11:00-12:20

- **CONTEM MAGAZINE PUB**  JL MC 341  3 CR.  
  PREREQ: JUNIOR CLASSIFICATION  
  4672005  1 TR 11:00-12:20

- **VISUAL PRIN MASS CM**  JL MC 342  3 CR.  
  PREREQ: SOPHOMORE CLASSIFICATION  
  4673005  1 TR 3:40-5:00
JOURNALISM & MASS COMMUNICATION

LAB BAS VISUAL PRIN JL MC 342L 3 CR.
PREREQ: CREDIT OR ENROLLMENT IN 342
COURSE ONLY OFFERED FOR 2 CREDITS SPRING 2005.
SEC 1A,2A ETC. FOR JL MC, ADVRT, P JMC, P ADV MAJORS
ONLY. SEC 1B,2B ETC. FOR MAJORS OTHER THAN JL MC,
ADVRT, P JMC, P ADV.
5325005 1A F 10:00-11:50
5325010 1B F 10:00-11:50
5325015 2A F 8:00-9:50, ARRANGED
5325020 2B F 8:00-9:50, ARRANGED
5325025 3A F 12:10-2:00, ARRANGED
5325030 3B F 12:10-2:00, ARRANGED

LAB INTMED VIS PRIN JL MC 343L 3 CR.
PREREQ: 342L OR EQUIV CMFTR DESIGN PROFICIENCY
COURSE ONLY OFFERED FOR 2 CREDITS SPRING 2005
5330005 1A F 2:10-4:00, ARRANGED
5330010 1B F 2:10-4:00, ARRANGED

PUBL AFFAIRES REPORT JL MC 346 3 CR.
PREREQ: 202 OR 206
4675005 1 TR 12:40-2:00

SCIENCE COMMUNICATN JL MC 347 3 CR.
PREREQ: 202 OR 206 FOR JL MC MAJORS; ADVRT 301
FOR ADVRT MAJORS
4676005 MW 9:00-9:50

PRINT MEDIA EDITING JL MC 349 3 CR.
PREREQ: 202 OR 206
4677005 1 MW 12:10-3:00

ADV REPORTNG VISUAL JL MC 355 3 CR.
PREREQ: 206, 306, 308
8520005 1 MW 10:00-11:50
ARRANGED

MEDIA MANAGEMENT JL MC 406 3 CR.
PREREQ: JUNIOR CLASSIFICATION
COURSE RESTRICTED TO JUNIORS AND SENIORS ONLY
1812005 1 MW 12:10-1:30

PUBLIC REL CAMPAIGN JL MC 424 3 CR.
PREREQ: 220, 301, AND 321, JUNIOR CLASSIFICATION
COURSE RESTRICTED TO JUNIORS AND SENIORS ONLY
7625005 1 TR 11:00-12:20

ADV PRINT MED EDITG JL MC 449 3 CR.
PREREQ: 342,342L,349, JUNIOR CLASSIFICATION
COURSE RESTRICTED TO JUNIORS AND SENIORS ONLY
7202005 1 MW 10:00-11:30

ADV FIELD PRODUCTN JL MC 455 3 CR.
PREREQ: 206, 308
COURSE RESTRICTED TO JUNIORS AND SENIORS ONLY
9587005 1 MW 12:10-2:00

JOURNALISM & MASS COMMUNICATION

MASS COMMUNICAT LAW JL MC 460 3 CR.
PREREQ: 201, JUNIOR CLASSIFICATION
COURSE RESTRICTED TO JUNIORS AND SENIORS ONLY
AVAILABLE FOR NONMAJOR GRADUATE CREDIT.
4688005 1 MWF 8:00-8:50

HISTORY AMER JRNLSM JL MC 461 3 CR.
PREREQ: JUNIOR CLASSIFICATION
AVAILABLE FOR NONMAJOR GRADUATE CREDIT.
4689005 1 TR 9:30-10:50

WORLD COMMUNIC SYST JL MC 476 3 CR.
PREREQ: JUNIOR CLASSIFICATION
MEETS INTERNATIONAL PERSPECTIVES REQMT.
4693005 1A MW 3:40-5:00
4693010 1B MW 3:40-5:00
SEC 1A RESTRICTED TO JL MC JUNIORS
SEC 1B FOR JUNIORS OTHER THEN JL MC

IND STD BOOK PUBLSH JL MC 490A VAR. CR.
PREREQ: JUNIOR CLASSIFICATION
NO MORE THAN 6 CREDITS OF JL MC 490 MAY BE
APPLIED TOWARD A DEGREE IN JL MC OR ADVERTISING
******* SEE DEPT FOR REFERENCE NUMBERS

IND STY ELEC MEDIA JL MC 490B VAR. CR.
PREREQ: JUNIOR CLASSIFICATION
NO MORE THAN 6 CREDITS OF JL MC 490 MAY BE
APPLIED TOWARD A DEGREE IN JL MC OR ADVERTISING
******* SEE DEPT FOR REFERENCE NUMBERS

IND EP STY MAGAZINE JL MC 490C VAR. CR.
PREREQ: JUNIOR CLASSIFICATION
NO MORE THAN 6 CREDITS OF JL MC 490 MAY BE
APPLIED TOWARD A DEGREE IN JL MC OR ADVERTISING
******* SEE DEPT FOR REFERENCE NUMBERS

IND STY NEWSPAPER JL MC 490D VAR. CR.
PREREQ: JUNIOR CLASSIFICATION
NO MORE THAN 6 CREDITS OF JL MC 490 MAY BE
APPLIED TOWARD A DEGREE IN JL MC OR ADVERTISING
******* SEE DEPT FOR REFERENCE NUMBERS

IND STY ADVERTISING JL MC 490E VAR. CR.
PREREQ: JUNIOR CLASSIFICATION
NO MORE THAN 6 CREDITS OF JL MC 490 MAY BE
APPLIED TOWARD A DEGREE IN JL MC OR ADVERTISING
******* SEE DEPT FOR REFERENCE NUMBERS

IND STY COMM TECHNL JL MC 490F VAR. CR.
PREREQ: JUNIOR CLASSIFICATION
NO MORE THAN 6 CREDITS OF JL MC 490 MAY BE
APPLIED TOWARD A DEGREE IN JL MC OR ADVERTISING
******* SEE DEPT FOR REFERENCE NUMBERS

IND STY EDUCATION JL MC 490G VAR. CR.
PREREQ: JUNIOR CLASSIFICATION
NO MORE THAN 6 CREDITS OF JL MC 490 MAY BE
APPLIED TOWARD A DEGREE IN JL MC OR ADVERTISING
******* SEE DEPT FOR REFERENCE NUMBERS
JOURNALISM & MASS COMMUNICATION

INDEP STUDY HONORS   JL MC 490H VAR. CR.
PREREQ: JUNIOR CLASSIFICATION. MEMBERSHIP IN UNIVERSITY HONORS PROGRAM. NO MORE THAN 6 CREDITS OF JL MC 490 MAY BE APPLIED TOWARD A DEGREE IN JL MC OR ADVERTISING. SEE DEPT FOR REFERENCE NUMBERS

IND STUDY MEDIA MGT   JL MC 490I VAR. CR.
PREREQ: JUNIOR CLASSIFICATION. NO MORE THAN 6 CREDITS OF JL MC 490 MAY BE APPLIED TOWARD A DEGREE IN JL MC OR ADVERTISING. SEE DEPT FOR REFERENCE NUMBERS

IND STDY PUBLIC REL   JL MC 490K VAR. CR.
PREREQ: JUNIOR CLASSIFICATION. NO MORE THAN 6 CREDITS OF JL MC 490 MAY BE APPLIED TOWARD A DEGREE IN JL MC OR ADVERTISING. SEE DEPT FOR REFERENCE NUMBERS

IND STD VISUAL COMM   JL MC 490L VAR. CR.
PREREQ: JUNIOR CLASSIFICATION. NO MORE THAN 6 CREDITS OF JL MC 490 MAY BE APPLIED TOWARD A DEGREE IN JL MC OR ADVERTISING. SEE DEPT FOR REFERENCE NUMBERS

IND STD CONTEMP ISS   JL MC 490M VAR. CR.
PREREQ: JUNIOR CLASSIFICATION. NO MORE THAN 6 CREDITS OF JL MC 490 MAY BE APPLIED TOWARD A DEGREE IN JL MC OR ADVERTISING. SEE DEPT FOR REFERENCE NUMBERS

INDEP STUDY ETHICS   JL MC 490N VAR. CR.
PREREQ: JUNIOR CLASSIFICATION. NO MORE THAN 6 CREDITS OF JL MC 490 MAY BE APPLIED TOWARD A DEGREE IN JL MC OR ADVERTISING. SEE DEPT FOR REFERENCE NUMBERS

IND STD SPcial COMM   JL MC 490O VAR. CR.
PREREQ: JUNIOR CLASSIFICATION. NO MORE THAN 6 CREDITS OF JL MC 490 MAY BE APPLIED TOWARD A DEGREE IN JL MC OR ADVERTISING. SEE DEPT FOR REFERENCE NUMBERS

IND STDY INT'L COMM   JL MC 490P VAR. CR.
PREREQ: JUNIOR CLASSIFICATION. NO MORE THAN 6 CREDITS OF JL MC 490 MAY BE APPLIED TOWARD A DEGREE IN JL MC OR ADVERTISING. SEE DEPT FOR REFERENCE NUMBERS

INDEP STDY HIST&LIT   JL MC 490Q VAR. CR.
PREREQ: JUNIOR CLASSIFICATION. NO MORE THAN 6 CREDITS OF JL MC 490 MAY BE APPLIED TOWARD A DEGREE IN JL MC OR ADVERTISING. SEE DEPT FOR REFERENCE NUMBERS

INDEPENDT STUDY LAW   JL MC 490R VAR. CR.
PREREQ: JUNIOR CLASSIFICATION. NO MORE THAN 6 CREDITS OF JL MC 490 MAY BE APPLIED TOWARD A DEGREE IN JL MC OR ADVERTISING. SEE DEPT FOR REFERENCE NUMBERS

COMM RESEARCH METHD    JL MC 502      4 CR.
PREREQ: 501
4726005   1 MW 6:10-8:00PM

MEDIA MANAGEMENT      JL MC 506      3 CR.
PREREQ: 6 CREDITS IN SOCIAL SCI (ECON HIGHLY RECOMMENDED) OR ADMISSION TO THE GRAD PROGRAM
1813005   1 MW 12:10-1:30

PUBLIC REL CAMPAIGN    JL MC 524      3 CR.
PREREQ: 6 CR IN SOC SCI OR ADMISSION TO GRAD PROG
COURSE RESTRICTED TO JL MC, ADVRT MAJORS ONLY
7627005   1 TR 11:00-12:20
SPRING 2005  Last Updated 09-17-2004

JOURNALISM & MASS COMMUNICATION

SCIENCE COMMUNICATION JL MC 547 3 CR.  
PREREQ: 6 CR SOCIAL SCI OR ADMISSION TO GRAD PROG  
202 OR 206 FOR JL MC MAJORS; 301 FOR ADVRT MAJORS  
7316005  MWF 9:00-9:50

WORLD COMMUNICATION JL MC 576 3 CR.  
MEETS INTERNATIONAL PERSPECTIVES REQMT.  
4738005 1A MW 3:40-5:00

SP Top Media Study JL MC 590A VAR. CR.  
PREREQ: PERMISSION OF INSTRUCTOR  
******* SEE DEPT FOR REFERENCE NUMBERS

Split Top Pro Special JL MC 590B VAR. CR.  
PREREQ: PERMISSION OF INSTRUCTOR  
******* SEE DEPT FOR REFERENCE NUMBERS

Special Topics Research JL MC 590C VAR. CR.  
PREREQ: PERMISSION OF INSTRUCTOR  
******* SEE DEPT FOR REFERENCE NUMBERS

SP Top Technq&Style JL MC 590D VAR. CR.  
PREREQ: PERMISSION OF INSTRUCTOR  
******* SEE DEPT FOR REFERENCE NUMBERS

SP Top Splz Commun JL MC 590E VAR. CR.  
PREREQ: PERMISSION OF INSTRUCTOR  
******* SEE DEPT FOR REFERENCE NUMBERS

Professional Internship JL MC 591 2 CR.  
SATISFACTORY-FAIL ONLY.  
PREREQ: PERMISSION OF INSTRUCTOR  
******* SEE DEPT FOR REFERENCE NUMBERS

Thesis Rsrch/Crtv CM JL MC 599 VAR. CR.  
PREREQ: APPROVED PROPOSAL  
******* SEE DEPT FOR REFERENCE NUMBERS

Research JL MC 699 VAR. CR.  
******* SEE DEPT FOR REFERENCE NUMBERS

LANDSCAPE ARCHITECTURE

Studio2: Site Plan I LA 202 6 CR.  
PREREQ: 201  
FIELD TRIPS & TRAVEL FEE $10.00-$60.00  
INSTRUCTOR PERMISSION REQUIRED 1ST WEEK, PROCESS  
APPROVED ADD SLIP IN 10 ALUMNI HALL  
4767005  MW 1:10-5:20  
F 4:10-5:20  
F 1:10-3:50

Social&Behav Landscp LA 274 3 CR.  
FIELD TRIPS & TRAVEL FEE $15.00-$25.00  
MEETS U.S. DIVERSITY REQMT.  
7943005 1 TR 12:40-2:00  
SEC 1 RESTRICTED TO LA MAJORS ONLY  
7943010 2 TR 12:40-2:00  
SEC 2 FOR MAJORS OTHER THAN LA

Field Travel LA 309 1-2 CR.  
SATISFACTORY-FAIL ONLY.  
PREREQ: PERMISSION OF ADVISOR  
FIELD TRIPS & TRAVEL FEE $15.00-$200.00  
INSTRUCTOR PERMISSION REQUIRED 1ST WEEK, PROCESS  
APPROVED ADD SLIP IN 10 ALUMNI HALL  
4774005  TR 1:10-4:00

Introduction Plt Midwst LA 321 3 CR.  
PREREQ: 221  
FIELD TRIPS & TRAVEL FEE $15.00-$200.00  
INSTRUCTOR PERMISSION REQUIRED 1ST WEEK, PROCESS  
APPROVED ADD SLIP IN 10 ALUMNI HALL  
4771005 1 ARRANGED  
4771010 2 ARRANGED

Intro Landsc Arch LA 341 1 CR.  
PREREQ: 401  
FIELD TRIPS & TRAVEL FEE $10.00-$610.00  
INSTRUCTOR PERMISSION REQUIRED 1ST WEEK, PROCESS  
APPROVED ADD SLIP IN 10 ALUMNI HALL  
4662005 1 TR 9:30-10:50  
SECTION 1 RESTRICTED TO LA MAJORS ONLY  
4662010 2 TR 9:30-10:50  
SECTION 2 FOR MAJORS OTHER THAN LA

Advanced Landsc Design LA 404 6 CR.  
PREREQ: 401  
FIELD TRIPS & TRAVEL FEE $10.00-$610.00  
INSTRUCTOR PERMISSION REQUIRED 1ST WEEK, PROCESS  
APPROVED ADD SLIP IN 10 ALUMNI HALL  
4781005  A MW 1:10-3:50  
F 1:10-3:50  
F 4:10-5:20  
4781010  B MW 1:10-5:20  
F 1:10-3:50  
F 4:10-5:20

Senior Thesis LA 405 6 CR.  
PREREQ: 401,402,403 AND PERMISSION OF ADVISOR,  
CHAIR AND THESIS ADVISOR  
******* SEE DEPT FOR REFERENCE NUMBERS

Professional Practice LA 441 3 CR.  
PREREQ: 482  
FIELD TRIPS & TRAVEL FEE $15.00-$25.00  
INSTRUCTOR PERMISSION REQUIRED 1ST WEEK, PROCESS  
APPROVED ADD SLIP IN 10 ALUMNI HALL  
4783005  TR 8:00-9:20
LANDSCAPE ARCHITECTURE

LAND ARCH INTERNSHP L A 451A R CR.
PREREQ: 450, DSN S 301, PERMISSION OF ADVISOR & CHAIR
3036005 ARRANGED

L ARCH STUDY ABROAD L A 451B R CR.
PREREQ: 450, DSN S 301, PERMISSION OF ADVISOR AND DEPT CHAIR
6212005 ARRANGED

L A NAT'L STD XCHNG L A 451C R CR.
PREREQ: 450, DSN S 301, PERMISSION OF ADVISOR AND DEPT CHAIR
6213005 ARRANGED

TOPIC LANDSC DESIGN L A 478A 2-3 CR.
PREREQ: 371 OR SENIOR OR GRADUATE STANDING
COURSE ONLY OFFERED FOR 3 CREDITS SPRING 2005
MATERIALS AND FIELD TRIPS & TRAVEL FEE $15.00-$40.00
6211005 ARRANGED

TOPIC PLANTNG DSIGN L A 478B 2-3 CR.
PREREQ: 371 OR SENIOR OR GRADUATE STANDING
COURSE ONLY OFFERED FOR 3 CREDITS SPRING 2005
MATERIALS AND FIELD TRIPS & TRAVEL FEE $15.00-$40.00
3911005 ARRANGED

TOPIC CONSTRUCTION L A 478C 2-3 CR.
PREREQ: 371 OR SENIOR OR GRADUATE STANDING
COURSE ONLY OFFERED FOR 3 CREDITS SPRING 2005
MATERIALS AND FIELD TRIPS & TRAVEL FEE $15.00-$40.00
3913005 ARRANGED

TOPIC HISTORY/THRY/CRT L A 478D 2-3 CR.
PREREQ: 371 OR SENIOR OR GRADUATE STANDING
COURSE ONLY OFFERED FOR 3 CREDITS SPRING 2005
MATERIALS AND FIELD TRIPS & TRAVEL FEE $15.00-$40.00
3917005 ARRANGED

TOPIC LANDSC PLANNNG L A 478E 2-3 CR.
PREREQ: 371 OR SENIOR OR GRADUATE STANDING
COURSE ONLY OFFERED FOR 3 CREDITS SPRING 2005
MATERIALS AND FIELD TRIPS & TRAVEL FEE $15.00-$40.00
3918005 ARRANGED

TOPIC URBAN DESIGN L A 478F 2-3 CR.
PREREQ: 371 OR SENIOR OR GRADUATE STANDING
COURSE ONLY OFFERED FOR 3 CREDITS SPRING 2005
MATERIALS AND FIELD TRIPS & TRAVEL FEE $15.00-$40.00
3919005 ARRANGED

TOPICAL ST GRAPHICS L A 478G 2-3 CR.
PREREQ: 371 OR SENIOR OR GRADUATE STANDING
COURSE ONLY OFFERED FOR 3 CREDITS SPRING 2005
MATERIALS AND FIELD TRIPS & TRAVEL FEE $15.00-$40.00
3959005 ARRANGED

TOPICAL STUD HONORS L A 478H 2-3 CR.
PREREQ: 371 OR SENIOR OR GRADUATE STANDING
COURSE ONLY OFFERED FOR 3 CREDITS SPRING 2005
MATERIALS AND FIELD TRIPS & TRAVEL FEE $15.00-$40.00
3959005 ARRANGED

LANDSCAPE ARCHITECTURE

TOPIC INTERDISCPLIN L A 478I 2-3 CR.
PREREQ: 371 OR SENIOR OR GRADUATE STANDING
COURSE ONLY OFFERED FOR 3 CREDITS SPRING 2005
MATERIALS AND FIELD TRIPS & TRAVEL FEE $15.00-$40.00
3970005 ARRANGED

TOPIC INTERNAT'L ST L A 478J 2-3 CR.
PREREQ: 371 OR SENIOR OR GRADUATE STANDING
COURSE ONLY OFFERED FOR 3 CREDITS SPRING 2005
MATERIALS AND FIELD TRIPS & TRAVEL FEE $15.00-$40.00
4092005 ARRANGED

TOPIC COMPUTER APP L A 478K 2-3 CR.
PREREQ: 371 OR SENIOR OR GRADUATE STANDING
COURSE ONLY OFFERED FOR 3 CREDITS SPRING 2005
MATERIALS AND FIELD TRIPS & TRAVEL FEE $15.00-$40.00
6990005 ARRANGED

ADV LNDSCP CONSTRUC L A 482 2 CR.
PREREQ: 481
MATERIALS AND FIELD TRIPS & TRAVEL FEE $15.00-$25.00
8224005 TR 9:30-10:50
8224005 TR 9:30-10:50

IND STDY LAND DSIGN L A 490A 1-4 CR.
PREREQ: INSTR & DEPT CHAIR APPROVAL ON REQ'D FORM
INSTRUCTOR PERMISSION REQUIRED 1ST WEEK, PROCESS APPROVED ADD SLIP IN 10 ALUMNI HALL
******* SEE DEPT FOR REFERENCE NUMBERS

IND STDY PLANTNG DSIGN L A 490B 1-4 CR.
PREREQ: INSTR & DEPT CHAIR APPROVAL ON REQ'D FORM
INSTRUCTOR PERMISSION REQUIRED 1ST WEEK, PROCESS APPROVED ADD SLIP IN 10 ALUMNI HALL
******* SEE DEPT FOR REFERENCE NUMBERS

IND STUDY CONSTRUCT L A 490C 1-4 CR.
PREREQ: INSTR & DEPT CHAIR APPROVAL ON REQ'D FORM
INSTRUCTOR PERMISSION REQUIRED 1ST WEEK, PROCESS APPROVED ADD SLIP IN 10 ALUMNI HALL
******* SEE DEPT FOR REFERENCE NUMBERS

INDEP STUDY HISTORY L A 490D 1-4 CR.
PREREQ: INSTR & DEPT CHAIR APPROVAL ON REQ'D FORM
INSTRUCTOR PERMISSION REQUIRED 1ST WEEK, PROCESS APPROVED ADD SLIP IN 10 ALUMNI HALL
******* SEE DEPT FOR REFERENCE NUMBERS

IND STD LANDSC PLAN L A 490E 1-4 CR.
PREREQ: INSTR & DEPT CHAIR APPROVAL ON REQ'D FORM
INSTRUCTOR PERMISSION REQUIRED 1ST WEEK, PROCESS APPROVED ADD SLIP IN 10 ALUMNI HALL
******* SEE DEPT FOR REFERENCE NUMBERS

ADV LNDSCP CONSTRUC L A 482 2 CR.
PREREQ: 481
MATERIALS AND FIELD TRIPS & TRAVEL FEE $15.00-$25.00
8224005 TR 9:30-10:50
8224005 TR 9:30-10:50

IND STDY LAND DSIGN L A 490A 1-4 CR.
PREREQ: INSTR & DEPT CHAIR APPROVAL ON REQ'D FORM
INSTRUCTOR PERMISSION REQUIRED 1ST WEEK, PROCESS APPROVED ADD SLIP IN 10 ALUMNI HALL
******* SEE DEPT FOR REFERENCE NUMBERS

IND STDY PLANTNG DSIGN L A 490B 1-4 CR.
PREREQ: INSTR & DEPT CHAIR APPROVAL ON REQ'D FORM
INSTRUCTOR PERMISSION REQUIRED 1ST WEEK, PROCESS APPROVED ADD SLIP IN 10 ALUMNI HALL
******* SEE DEPT FOR REFERENCE NUMBERS

IND STUDY CONSTRUCT L A 490C 1-4 CR.
PREREQ: INSTR & DEPT CHAIR APPROVAL ON REQ'D FORM
INSTRUCTOR PERMISSION REQUIRED 1ST WEEK, PROCESS APPROVED ADD SLIP IN 10 ALUMNI HALL
******* SEE DEPT FOR REFERENCE NUMBERS

INDEP STUDY HISTORY L A 490D 1-4 CR.
PREREQ: INSTR & DEPT CHAIR APPROVAL ON REQ'D FORM
INSTRUCTOR PERMISSION REQUIRED 1ST WEEK, PROCESS APPROVED ADD SLIP IN 10 ALUMNI HALL
******* SEE DEPT FOR REFERENCE NUMBERS

IND STD LANDSC PLAN L A 490E 1-4 CR.
PREREQ: INSTR & DEPT CHAIR APPROVAL ON REQ'D FORM
INSTRUCTOR PERMISSION REQUIRED 1ST WEEK, PROCESS APPROVED ADD SLIP IN 10 ALUMNI HALL
******* SEE DEPT FOR REFERENCE NUMBERS
LANDSCAPE ARCHITECTURE

IND STDY URBAN DSGN  L A   490F  1- 4 CR.
PREREQ: INSTR & DEPT CHAIR APPROVAL ON REQ'D FORM
INSTRUCTOR PERMISSION REQUIRED 1ST WEEK, PROCESS
APPROVED ADD SLIP IN 10 ALUMNI HALL
*******   SEE DEPT FOR REFERENCE NUMBERS

INDEP STDY GRAPHICS  L A   490G  1- 4 CR.
PREREQ: INSTR & DEPT CHAIR APPROVAL ON REQ'D FORM
INSTRUCTOR PERMISSION REQUIRED 1ST WEEK, PROCESS
APPROVED ADD SLIP IN 10 ALUMNI HALL
*******   SEE DEPT FOR REFERENCE NUMBERS

INDEP STUDY HONORS  L A   490H  1- 4 CR.
PREREQ: INSTR & DEPT CHAIR APPROVAL ON REQ'D FORM
MEMBERSHIP IN UNIV HONORS PROGRAM
INSTRUCTOR PERMISSION REQUIRED 1ST WEEK, PROCESS
APPROVED ADD SLIP IN 10 ALUMNI HALL
*******   SEE DEPT FOR REFERENCE NUMBERS

IND STDY INTERDISC  L A   490I  1- 4 CR.
PREREQ: INSTR & DEPT CHAIR APPROVAL ON REQ'D FORM
INSTRUCTOR PERMISSION REQUIRED 1ST WEEK, PROCESS
APPROVED ADD SLIP IN 10 ALUMNI HALL
*******   SEE DEPT FOR REFERENCE NUMBERS

IND STDY CMPT APPL  L A   490J  1- 4 CR.
PREREQ: INSTR & DEPT CHAIR APPROVAL ON REQ'D FORM
INSTRUCTOR PERMISSION REQUIRED 1ST WEEK, PROCESS
APPROVED ADD SLIP IN 10 ALUMNI HALL
*******   SEE DEPT FOR REFERENCE NUMBERS

IND STDY ECO DESIGN  L A   490L  1- 4 CR.
PREREQ: INSTR & DEPT CHAIR APPROVAL ON REQ'D FORM
INSTRUCTOR PERMISSION REQUIRED 1ST WEEK, PROCESS
APPROVED ADD SLIP IN 10 ALUMNI HALL
*******   SEE DEPT FOR REFERENCE NUMBERS

MINING RECLM EMITIG  L A   509  3 CR.
PREREQ: ADMISSION TO GRAD PROGRAM OR PERMISSION
OF INSTRUCTOR
INSTRUCTOR PERMISSION REQUIRED 1ST WEEK, PROCESS
APPROVED ADD SLIP IN 10 ALUMNI HALL
4804005    R  5:10-8:00PM

STUDIO RESOURCE MGT  L A   562   2- 6 CR.
PREREQ: ADMISSION TO GRAD PROGRAM OR PERMISSION
OF INSTRUCTOR
MATERIALS AND FIELD TRIPS & TRAVEL FEE $15.00-$25.00
INSTRUCTOR PERMISSION REQUIRED 1ST WEEK, PROCESS
APPROVED ADD SLIP IN 10 ALUMNI HALL
1663005   TR  8:00-10:50

L A HIST & PRESERV  L A   572  3 CR.
PREREQ: ADMISSION TO GRAD PROGRAM OR PERMISSION
OF INSTRUCTOR
MATERIALS AND FIELD TRIPS & TRAVEL FEE $15.00-$25.00
INSTRUCTOR PERMISSION REQUIRED 1ST WEEK, PROCESS
APPROVED ADD SLIP IN 10 ALUMNI HALL
4811005   TR 12:40-2:00  HÖHMANN H

LANDSCAPE ARCHITECTURE

TOPIC LANDSC DESIGN  L A   578A  2- 3 CR.
PREREQ: SENIOR OR GRADUATE STANDING
COURSE ONLY OFFERED FOR 3 CREDITS SPRING 2005
MATERIALS AND FIELD TRIPS & TRAVEL FEE $15.00-$40.00
4114005   ARRANGED

TOPIC PLANTNG DSGN  L A   578B  2- 3 CR.
PREREQ: SENIOR OR GRADUATE STANDING
COURSE ONLY OFFERED FOR 3 CREDITS SPRING 2005
MATERIALS AND FIELD TRIPS & TRAVEL FEE $15.00-$40.00
4165005   ARRANGED

TOPIC CONSTRUCTION  L A   578C  2- 3 CR.
PREREQ: SENIOR OR GRADUATE STANDING
COURSE ONLY OFFERED FOR 3 CREDITS SPRING 2005
MATERIALS AND FIELD TRIPS & TRAVEL FEE $15.00-$40.00
4166005   ARRANGED

TOPIC HIST/THRY/CRT  L A   578D  2- 3 CR.
PREREQ: SENIOR OR GRADUATE STANDING
COURSE ONLY OFFERED FOR 3 CREDITS SPRING 2005
MATERIALS AND FIELD TRIPS & TRAVEL FEE $15.00-$40.00
4182005   ARRANGED

TOPIC LANDSC PLANNG  L A   578E  2- 3 CR.
PREREQ: SENIOR OR GRADUATE STANDING
COURSE ONLY OFFERED FOR 3 CREDITS SPRING 2005
MATERIALS AND FIELD TRIPS & TRAVEL FEE $15.00-$40.00
4191005   ARRANGED

TOPICAL ST GRAPHICS  L A   578G  2- 3 CR.
PREREQ: SENIOR OR GRADUATE STANDING
COURSE ONLY OFFERED FOR 3 CREDITS SPRING 2005
MATERIALS AND FIELD TRIPS & TRAVEL FEE $15.00-$40.00
4200005   ARRANGED

TOPICAL STUD HONORS  L A   578H  2- 3 CR.
PREREQ: SENIOR OR GRADUATE STANDING
COURSE ONLY OFFERED FOR 3 CREDITS SPRING 2005
MATERIALS AND FIELD TRIPS & TRAVEL FEE $15.00-$40.00
4218005   ARRANGED

TOPICAL STY'L ST  L A   578I  2- 3 CR.
PREREQ: SENIOR OR GRADUATE STANDING
COURSE ONLY OFFERED FOR 3 CREDITS SPRING 2005
MATERIALS AND FIELD TRIPS & TRAVEL FEE $15.00-$40.00
4226005   ARRANGED

TOPICAL INTERDISCLN  L A   578J  2- 3 CR.
PREREQ: SENIOR OR GRADUATE STANDING
COURSE ONLY OFFERED FOR 3 CREDITS SPRING 2005
MATERIALS AND FIELD TRIPS & TRAVEL FEE $15.00-$40.00
4228005   ARRANGED
LANDSCAPE ARCHITECTURE

TOPIC COMPUTER APP    L A   578 K  2- 3 CR.
PREREQ: SENIOR OR GRADUATE STANDING
COURSE ONLY OFFERED FOR 3 CREDITS SPRING 2005
MATERIALS AND FIELD TRIPS & TRAVEL FEE $15.00-$40.00
4250005     ARRANGED

TOPICAL ECO DESIGN    L A   578 L  2- 3 CR.
PREREQ: SENIOR OR GRADUATE STANDING
COURSE ONLY OFFERED FOR 3 CREDITS SPRING 2005
MATERIALS AND FIELD TRIPS & TRAVEL FEE $15.00-$40.00
4254005     ARRANGED

THESIS, CRTV CMP,TUT   L A   580   1- 4 CR.
PREREQ: PERMISSION OF MAJOR PROFESSOR
INSTRUCTOR PERMISSION REQUIRED 1ST WEEK, PROCESS
APPROVED ADD SLIP IN 10 ALUMNI HALL
*******     SEE DEPT FOR REFERENCE NUMBERS

RESEARCH COLLOQUIUM L A   582   1 CR.
PREREQ: ADMISSION TO GRAD PROGRAM OR PERMISSION
OF INSTRUCTOR
INSTRUCTOR PERMISSION REQUIRED 1ST WEEK, PROCESS
APPROVED ADD SLIP IN 10 ALUMNI HALL
8975005     W 6:00-8:00PM     KELLER J

SPL TOP LANDSC DSGN L A   590 A  1- 4 CR.
PREREQ: INSTR & DEPT CHAIR APPROVAL ON REQ'D FORM
INSTRUCTOR PERMISSION REQUIRED 1ST WEEK, PROCESS
APPROVED ADD SLIP IN 10 ALUMNI HALL
*******     SEE DEPT FOR REFERENCE NUMBERS

SPL TOPC PLNTNG DSN L A   590 B  1- 4 CR.
PREREQ: INSTR & DEPT CHAIR APPROVAL ON REQ'D FORM
INSTRUCTOR PERMISSION REQUIRED 1ST WEEK, PROCESS
APPROVED ADD SLIP IN 10 ALUMNI HALL
*******     SEE DEPT FOR REFERENCE NUMBERS

SPL TOPC CONSTRUCTN L A   590 C  1- 4 CR.
PREREQ: INSTR & DEPT CHAIR APPROVAL ON REQ'D FORM
INSTRUCTOR PERMISSION REQUIRED 1ST WEEK, PROCESS
APPROVED ADD SLIP IN 10 ALUMNI HALL
*******     SEE DEPT FOR REFERENCE NUMBERS

SPL TOPC CMTR APPL L A   590 D  1- 4 CR.
PREREQ: INSTR & DEPT CHAIR APPROVAL ON REQ'D FORM
INSTRUCTOR PERMISSION REQUIRED 1ST WEEK, PROCESS
APPROVED ADD SLIP IN 10 ALUMNI HALL
*******     SEE DEPT FOR REFERENCE NUMBERS

SPL TOPC ECO DESIGN L A   590 L  1- 4 CR.
PREREQ: INSTR & DEPT CHAIR APPROVAL ON REQ'D FORM
INSTRUCTOR PERMISSION REQUIRED 1ST WEEK, PROCESS
APPROVED ADD SLIP IN 10 ALUMNI HALL
*******     SEE DEPT FOR REFERENCE NUMBERS

ENVIRONMENTAL LAW L A   591   3 CR.
PREREQ: GRADUATE CLASSIFICATION
2350005     TR 8:00-9:20
SECTION INFO:
http://www.public.iastate.edu/~etlclapp/

CREATIVE COMPONENT L A   599   VAR. CR.
PREREQ: PERMISSION OF MAJOR PROF
INSTRUCTOR PERMISSION REQUIRED 1ST WEEK, PROCESS
APPROVED ADD SLIP IN 10 ALUMNI HALL
*******     SEE DEPT FOR REFERENCE NUMBERS

THESIS RESEARCH L A   699   VAR. CR.
PREREQ: PERMISSION OF PROFESSOR
INSTRUCTOR PERMISSION REQUIRED 1ST WEEK, PROCESS
APPROVED ADD SLIP IN 10 ALUMNI HALL
*******     SEE DEPT FOR REFERENCE NUMBERS

LATIN

ELEMENTARY LATIN II LATIN 102  4 CR.
PREREQ: 101
STUDENTS WHO HAVE COMPLETED 3 OR MORE YRS OF HIGH
SCHOOL LATIN MAY NOT ENROLL IN 102. STUDENTS WHO
HAVE
COMPLETED MORE THAN 1 YEAR BUT LESS THAN 3 YEARS OF
H.S. LATIN ARE REQUIRED TO TAKE 1ST YR TESTOUT EXAM.
MEETS INTERNATIONAL PERSPECTIVES REQMT.
4855005   1 MTWRF 11:00-11:50
4855010   2 MTWRF 2:10-3:00
LATIN

**INDEPENDENT STUDY**

**LATIN 490** 1-6 CR.

**PREREQ:** 6 CR in Latin; permission of dept chair. No more than 9 credits in Latin 490 may be applied toward graduation.

Permission of department chair required. Process approved add slip in 10 Alumni Hall

**LIBERAL ARTS & SCIENCES**

**ORIENTATION**

**LAS 101** .5 CR.

SATISFACTORY-FAIL ONLY.

Satisfactory-FAIL only.

MEETS U.S. DIVERSITY & INTL PERSPECTIVES Reqmt.

2890005 1 TR 9:30-10:50
2890010 2 MWF 9:00-9:50

**PERSONAL CAREER DEV**

**LAS 104** 2 CR.

**PREREQ:** 12 credits of ISU coursework

6243005 1 TR 11:00-11:50
6243010 2 TR 11:00-11:50
6243015 3 MW 11:00-11:50
6243020 4 MW 2:10-3:00

**ACT LRN CMM SEMINAR**

**LAS 140X** 1 CR.

SATISFACTORY-FAIL ONLY.

PREREQ: MEMBER OF ACT LEARNING COMMUNITY

8043005 ARRANGED

**INTR U.S. LATINO ST**

**LAS 211** 3 CR.

MEETS U.S. DIVERSITY & INTL PERSPECTIVES Reqmt.

2890005 1 TR 9:30-10:50
2890010 2 MWF 9:00-9:50

**SPECIAL PROBLEMS**

**LAS 290** 1-3 CR.

**PREREQ:** FRESHMAN OR SOPHOMORE CLASSIFICATION; PERMISSION OF LAS DEAN

****** SEE DEPT FOR REFERENCE NUMBERS

**SPL PROBL CATT CNTR**

**LAS 290G** 1-3 CR.

**PREREQ:** FRESHMAN OR SOPHOMORE CLASSIFICATION; PERMISSION OF THE DIRECTOR OF THE CATT CENTER

****** SEE DEPT FOR REFERENCE NUMBERS

**INTERNSHIP/CO-OP**

**LAS 298** R CR.

SATISFACTORY-FAIL ONLY.

PREREQ: PERMISSION OF LAS ADVISING AND CAREER SERVICES, SOPHOMORE CLASSIFICATION

****** SEE DEPT FOR REFERENCE NUMBERS

**ASIAN AMER CULTURES**

**LAS 325** 3 CR.

**PREREQ:** ENGL 105

MEETS U.S. DIVERSITY Reqmt.

7260005 MW 9:00-9:50

**TOPCS INTRDISCIP ST**

**LAS 350** 2-4 CR.

**PREREQ:** ENGL 105

COURSE ONLY OFFERED FOR 3 CREDITS SPRING 2005

7269005 A ARRANGED
7269010 B TR 11:00-12:20

**THE HOLOCAUST**

**LAS 385** 2-3 CR.

MEETS INTERNATIONAL PERSPECTIVES Reqmt.

4817005 T 6:00-9:00PM

**LIBRARY**

**LIB INSTRUCTION**

**LIB 160** .5 CR.

SATISFACTORY-FAIL ONLY.

PREREQ: STUDENTS WHOSE NATIVE LANGUAGE IS NOT ENGLISH MUST COMPLETE ENGLISH 101 REQUIREMENT TEST-OUT EXAM SCHEDULED WED., JAN. 19, 4:00 PM; THURS., JAN. 20, 3:00 PM; WED., MARCH 24, 3:00 PM; OR THURS., MARCH 24, 3:00 PM. SPECIAL LIBRARY TEST-OUT FEE IS $20. DETAILS AVAILABLE IN 150 PARKS LIBRARY.
### LIBRARY

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Days</th>
<th>Time</th>
<th>Section</th>
<th>Remarks</th>
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<td>4862005</td>
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<td>4862170</td>
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<td>Sect 34: BEGINS WK OF 3/7</td>
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### LINGUISTICS

**INTR SYMBOLIC LOGIC**

<table>
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<td>Only for MAJORS</td>
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**INTRO COMM DISORDER**

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**THEORY OF COMPUTING**

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<th>Section</th>
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<tr>
<td>LING 331</td>
<td>TR</td>
<td>8:00-9:20</td>
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**LIBRARY**

**LIB INSTRUCTION**

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<tr>
<td>LIB 160</td>
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**LINGUISTICS**

**DESCRIP ENGL GRAMMAR**

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**THEORY OF COMPUTING**

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<tr>
<td>LING 331</td>
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<td>Only for MAJORS</td>
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LINGUISTICS

INTR SPANISH PHONOLOGY LING 352 3 CR.
PREREQ: SPAN 301, 303, OR 304
MATERIALS AND EQUIPMENT USE FEE $20.00
AVAILABLE FOR NONMAJOR GRADUATE CREDIT.
3492005 1 TR 11:00-12:20

PHONETICS & PHONOLOGY LING 371 3 CR.
8595005 TR 9:30-10:50

HIST OF ENGLISH LANG LING 420 3 CR.
PREREQ: 219, 220
COURSE RESTRICTED TO JUNIORS AND SENIORS ONLY
AVAILABLE FOR NONMAJOR GRADUATE CREDIT.
8605005 A TR 12:40-2:00

WOMEN, MEN & ENGLISH LANG LING 422 3 CR.
PREREQ: 219
MEETS U.S. DIVERSITY REQMT.
AVAILABLE FOR NONMAJOR GRADUATE CREDIT.
3612005 A TR 9:30-10:50

IND STD LINGUISTICS LING 490B VAR. CR.
PREREQ: 9 CR IN ENGL BEYOND 105 APPROPRIATE TO
THE SECTION TAKEN, JR CLASSIFICATION, PERMISSION OF
THE UNDERGRADUATE STUDIES COMMITTEE
DEPARTMENT PERMISSION REQUIRED, PROCESS
APPROVED ADD SLIP IN 10 ALUMNI HALL
******* SEE DEPT FOR REFERENCE NUMBERS

IND STDY LING ANTHR LING 490D 1-5 CR.
PREREQ: 9 CREDITS IN ANTHROPOLOGY
INSTRUCTOR PERMISSION REQUIRED 1ST WEEK, PROCESS
APPROVED ADD SLIP IN 10 ALUMNI HALL
******* SEE DEPT FOR REFERENCE NUMBERS

LANGUAGE & CULTURE LING 500 3 CR.
PREREQ: 309
INSTRUCTOR PERMISSION REQUIRED 1ST WEEK, PROCESS
APPROVED ADD SLIP IN 10 ALUMNI HALL
8615005 W 5:10-8:00PM COMITO J

SOCIOLINGUISTICS LING 514 3 CR.
PREREQ: 3 CREDITS IN LINGUISTICS
8619005 A TR 11:00-12:20

TCH LIS & SPK NONNATV LING 525 3 CR.
PREREQ: 511 OR INTRODUCTORY COURSE IN LINGUISTICS
4479005 A MW 2:10-3:30

CPR-ASSIST LANG LRN LING 526 3 CR.
PREREQ: 511 AND 513 OR EQUIVALENT
7280005 A TR 9:30-10:50

DISCOURSE ANALYSIS LING 527 3 CR.
PREREQ: 511 OR AN INTRO COURSE IN LINGUISTICS
2238005 A M 6:00-9:00PM

SPECIAL TOPICS LING 590 1-5 CR.
PREREQ: 10 CR IN ANTHR; SR OR GRAD CLASSIFICATION
COURSE RESTRICTED TO GRADUATE STUDENTS ONLY
INSTRUCTOR PERMISSION REQUIRED 1ST WEEK, PROCESS
APPROVED ADD SLIP IN 10 ALUMNI HALL
******* SEE DEPT FOR REFERENCE NUMBERS

Linguistics

SPL TOP TESL/LINGUI LING 590B VAR. CR.
PREREQ: GRAD STUDIES COMMITTEE PERMISSION THROUGH
GUIDELINES AVAILABLE IN DEPARTMENT OFFICE
******* SEE DEPT FOR REFERENCE NUMBERS

MANAGEMENT

ENTREPRENRSHP & INNOV MGMT 310 3 CR.
PREREQ: JUNIOR CLASSIFICATION
PERMISSION OF COLLEGE REQUIRED TO ADD DURING
1ST WEEK; GO TO 1200 GERDIN
5318005 A1 T 6:00-9:00PM
SECTION A1 RESTRICTED TO ACCT, BUS S,
BUS U,
FIN, MGMT, MIS, MKT, POM, TRLOG MAJORS
ONLY
5318010 A2 T 6:00-9:00PM
SECTION A2 FOR COLLEGES OTHER THAN
BUSINESS

PEASIB ALNY & BUS PLN MGMT 313 3 CR.
PREREQ: 310
COURSE NOT OPEN TO PBUS MAJORS
6779005 A TR 3:40-5:00
COLLEGE PERMISSION REQUIRED - GO TO
1200 GERDIN
6779010 B MW 3:40-5:00
COLLEGE PERMISSION REQUIRED - GO TO
1200 GERDIN

MANAGMT ORGANIZATNS MGMT 370 3 CR.
PREREQ: ECON 101
SEC A1, B1 RESTRICTED TO ACCT, BUS S, BUS U,
FIN, MGMT, MIS, MKT, POM, TRLOG MAJORS ONLY.
SEC A2, B2 FOR COLLEGES OTHER THAN BUSINESS.
PERMISSION OF COLLEGE REQUIRED TO ADD DURING
1ST WEEK; GO TO 1200 GERDIN
5282005 A1 MF 12:10-1:00
5282010 A2 MF 12:10-1:00
5282015 B1 MF 9:00-9:50
5282020 B2 MF 9:00-9:50
5282025 C1 W 6:00-9:00PM

ORGANIZATIONAL BEHAVR MGMT 371 3 CR.
PREREQ: 370
SEC A1, B1 RESTRICTED ACCT, BUS S, BUS U,
FIN, MGMT, MIS, MKT, POM, TRLOG MAJORS ONLY.
SEC A2, B2 RESTRICTED EX SP, C H E, HHP MAJORS ONLY.
PERMISSION OF COLLEGE REQUIRED TO ADD DURING
1ST WEEK; GO TO 1200 GERDIN
5283005 A1 MF 9:00-9:50
5283010 A2 MF 9:00-9:50
5283015 B1 MF 10:00-10:50
5283020 B2 MF 10:00-10:50
5283025 C1 M 6:00-9:00PM
5283030 C2 M 6:00-9:00PM

COMPETITIVE STRATGY MGMT 377 3 CR.
PREREQ: ECON 101 AND JUNIOR CLASSIFICATION
COURSE RESTRICTED TO MGMT MAJORS ONLY
PERMISSION OF COLLEGE REQUIRED TO ADD DURING
1ST WEEK; GO TO 1200 GERDIN
5320005 A TR 3:40-5:00
5320010 B T 5:30-8:30PM
MANAGEMENT

INTERNATIONAL MGMT     MGMT  414      3 CR.
SECTIONS A1,B1 RESTRICTED MGMT MAJORS ONLY
SECTION A2,B2 RESTRICTED TO ACCT, BUS S, BUS U, FIN, MIS, MGT, POM, TRLOG MAJORS ONLY
MEETS INTERNATIONAL PERSPECTIVES REQMT.
AVAILABLE FOR NONMAJOR GRADUATE CREDIT.
PERMISSION OF COLLEGE REQUIRED TO ADD DURING
1ST WEEK; GO TO 1200 GERDIN
5285020  B2 MW 2:10-3:00
5285015  B1 MWF 2:10-3:00
5285010  A2 T 5:30-8:30PM
5285005  A1 T 5:30-8:30PM

MANAGI NEW VENTURES     MGMT  415      3 CR.
PREREQ: 370, MGT 340, FIN 301, TRLOG 360, POM 320
COURSE RESTRICTED TO BUSINESS COLLEGE SENIORS.
NOT OPEN TO P BUS.
AVAILABLE FOR NONMAJOR GRADUATE CREDIT.
PERMISSION OF COLLEGE REQUIRED TO ADD DURING
1ST WEEK; GO TO 1200 GERDIN
5286005   A MWF 11:00-11:50
5285010  A2 T 5:30-8:30PM
5285015  B1 MWF 2:10-3:00
5285020  B2 MW 2:10-3:00

MANAGE OF DIVERSITY     MGMT  472      3 CR.
PREREQ: JUNIOR CLASSIFICATION
COURSE NOT OPEN TO GRADUATE STUDENTS
COURSE RESTRICTED TO MGMT MAJORS ONLY.
MEETS U.S. DIVERSITY REQMT.
AVAILABLE FOR NONMAJOR GRADUATE CREDIT.
PERMISSION OF COLLEGE REQUIRED TO ADD DURING
1ST WEEK; GO TO 1200 GERDIN
4444005   A TR 12:40-2:00

STRAATEGIC MANAGEMENT     MGMT  478      3 CR.
PREREQ: 370, POM 320, FIN 301, MGT 340, TRLOG 360, ACCT 285, GRADUATING SENIOR
COURSE RESTRICTED TO SENIORS GRADUATING SPRING 2005 IN THE COLLEGE OF BUSINESS
PERMISSION OF COLLEGE REQUIRED TO ADD DURING
1ST WEEK; GO TO 1200 GERDIN
5294025  E1 TR 2:10-3:30
5294030  F1 T 6:00-9:00PM
5294035  G1 TR 3:40-5:00
5294040  J1 M 6:00-9:00PM
5294045  K1 W 6:00-9:00PM
SECTION A2, B2 RESTRICTED TO BUSINESS OTHER THAN BUSINESS OR GRADUATE STUDENTS
PERMISSION OF COLLEGE REQUIRED TO ADD DURING
1ST WEEK; GO TO 1200 GERDIN
4394005  A1 MW 1:10-2:00
4394010  A2 MW 1:10-2:00
4394015  B1 MW 2:10-3:00
4394020  B2 MW 2:10-3:00
4394025  C1 MW 11:00-11:50
4394035  D1 TR 9:30-10:50
4394040  D2 TR 9:30-10:50

MANAGEMENT INFORMATION SYSTEMS

MGMT INFO SYSTEMS     MIS  330      3 CR.
PREREQ: COM S 103
SECTIONS A1,B1,C1,D1 RESTRICTED TO ACCT, BUS S, BUS U, FIN, I BUS, MGMT, MIS, MGT, P BUS, POM, TRLOG MAJORS ONLY. SECTIONS A2,B2,D2 FOR COLLEGES OTHER THAN BUSINESS OR GRADUATE STUDENTS
PERMISSION OF COLLEGE REQUIRED TO ADD DURING
1ST WEEK; GO TO 1200 GERDIN
4394005  A1 MWF 1:10-2:00
4394010  A2 MWF 1:10-2:00
4394015  B1 MWF 2:10-3:00
4394020  B2 MWF 2:10-3:00
4394025  C1 MW 11:00-11:50
4394035  D1 TR 9:30-10:50
4394040  D2 TR 9:30-10:50

SPECIAL TOPICS     MGMT  590      1- 3 CR.
PREREQ: PERMISSION OF INSTRUCTOR
RESTRICTED TO BUSINESS COLLEGE GRADUATE STUDENTS
*******     SEE DEPT FOR REFERENCE NUMBERS

STRATEGIC MANAGEMENT     MGMT  512      2 CR.
PREREQ: 501, 507, POM 502, MIS 503, MGT 504, FIN 505, ACCT 508
COURSE RESTRICTED TO BUSINESS COLLEGE GRADUATE STUDENTS
5867005   A R 6:00-9:30PM
SECT A: JAN 20-APRIL 14

TEC TRANSFR&FEASIBIL     MGMT  565      3 CR.
PREREQ: GRADUATE CLASSIFICATION
COURSE RESTRICTED TO BUSINESS COLLEGE GRADUATE STUDENTS
5867005   A R 6:00-9:30PM
SECT A: JAN 20-APRIL 14

SEMINR PERSONNEL MGT     MGMT  571      3 CR.
PREREQ: 371 OR 507 OR SOC 420
RESTRICTED TO BUSINESS COLLEGE GRADUATE STUDENTS
5301005   A W 6:00-9:30PM
SECT A: JAN 19-APRIL 15
5301010  S S 8:30-11:50

TECHNICAL TRANSM & FEASIBIL     MGMT  565      3 CR.
PREREQ: GRADUATE CLASSIFICATION
COURSE RESTRICTED TO BUSINESS COLLEGE GRADUATE STUDENTS
5867005   A R 6:00-9:30PM
SECT A: JAN 19-APRIL 15
5301010  S S 8:30-11:50

STRATEGIC MANAGEMENT     MGMT  512      2 CR.
PREREQ: 501, 507, POM 502, MIS 503, MGT 504, FIN 505, ACCT 508
COURSE RESTRICTED TO BUSINESS COLLEGE GRADUATE STUDENTS
5867005   A R 6:00-9:30PM
SECT A: JAN 20-APRIL 14

SPECIAL TOPICS     MGMT  590      1- 3 CR.
PREREQ: PERMISSION OF INSTRUCTOR
RESTRICTED TO BUSINESS COLLEGE GRADUATE STUDENTS
*******     SEE DEPT FOR REFERENCE NUMBERS
MANAGEMENT INFORMATION SYSTEMS

FILE STRUCT & PROGRAMG MIS 331 3 CR.
PREREQ: 330, COM S 207
COURSE RESTRICTED TO MIS MAJORS ONLY
PERMISSION OF COLLEGE REQUIRED TO ADD DURING 1ST WEEK; GO TO 1200 GERDIN
9608005 A MWF 10:00-10:50
9608010 B TR 3:40-5:00
9608020 D W 6:00-9:00PM

CNT LANG SFTWRE DEV MIS 431X 3 CR.
PREREQ: 331
PERMISSION OF COLLEGE REQUIRED TO ADD DURING 1ST WEEK; GO TO 1200 GERDIN
7689005 A T 6:00-9:00PM

INFO SYSN ANALYSIS MIS 432 3 CR.
PREREQ: 330, COM S 201
COURSE RESTRICTED TO MIS MAJORS ONLY
AVAILABLE FOR NONMAJOR GRADUATE CREDIT.
PERMISSION OF COLLEGE REQUIRED TO ADD DURING 1ST WEEK; GO TO 1200 GERDIN
5290005 A MW 10:00-10:50
5290010 B MW 11:00-11:50
5290015 C MW 12:10-1:00

DATABASE MGT SYSTMS MIS 433 3 CR.
PREREQ: 331
COURSE RESTRICTED TO MIS MAJORS ONLY
AVAILABLE FOR NONMAJOR GRADUATE CREDIT.
PERMISSION OF COLLEGE REQUIRED TO ADD DURING 1ST WEEK; GO TO 1200 GERDIN
5289005 A TR 9:30-10:50
5289010 B TR 12:40-2:00
5289015 C TR 11:00-12:20

ELECTRONIC COMMERCE MIS 434 3 CR.
PREREQ: 330, MKT 340, TRLOG 360
PERMISSION OF COLLEGE REQUIRED TO ADD DURING 1ST WEEK; GO TO 1200 GERDIN
7405005 A1 MW 2:10-3:30
7405010 A2 MW 2:10-3:30
7405020 B1 W 6:00-9:00PM
7405025 B2 W 6:00-9:00PM

BUSINESS TELECOMMUN MIS 435 3 CR.
PREREQ: 331
COURSE RESTRICTED TO MIS MAJORS ONLY
AVAILABLE FOR NONMAJOR GRADUATE CREDIT.
PERMISSION OF COLLEGE REQUIRED TO ADD DURING 1ST WEEK; GO TO 1200 GERDIN
6396005 A M 6:00-9:00PM
6396010 B MW 2:10-3:30
6396015 C TR 12:40-2:00

INFO SYSTM DEVELPMT MIS 438 3 CR.
PREREQ: 432, 433
COURSE RESTRICTED TO MIS MAJORS ONLY
AVAILABLE FOR NONMAJOR GRADUATE CREDIT.
PERMISSION OF COLLEGE REQUIRED TO ADD DURING 1ST WEEK; GO TO 1200 GERDIN
5291005 A M 6:00-9:00PM

MANAGEMENT INFORMATION SYSTEMS

TOPICS INFO SYS MGT MIS 439 3 CR.
PREREQ: 331, PERMISSION OF INSTRUCTOR
COURSE RESTRICTED TO MIS MAJORS ONLY
PERMISSION OF COLLEGE REQUIRED TO ADD DURING 1ST WEEK; GO TO 1200 GERDIN
6785005 A MW 2:10-3:30

ADV TELECOM & NETWORK MIS 445X 3 CR.
PREREQ: 435
COURSE RESTRICTED TO MIS MAJORS ONLY
PERMISSION OF COLLEGE REQUIRED TO ADD DURING 1ST WEEK; GO TO 1200 GERDIN
7696005 A TR 3:40-5:00

INDEPENDENT STUDY MIS 490 1-3 CR.
PREREQ: 330, SENIOR CLASSIFICATION, PERMISSION OF INSTRUCTOR
DEPARTMENT PERMISSION REQUIRED, PROCESS APPROVED ADD SLIP IN 10 ALUMNI HALL
******* SEE DEPT FOR REFERENCE NUMBERS

DATA MGT DECISION MAK MIS 533 3 CR.
PREREQ: 503
RESTRICTED TO BUSINESS COLLEGE GRADUATE STUDENTS
2271005 A MW 3:40-5:00

TELECOMMUNICATIONS MGT MIS 535 3 CR.
PREREQ: 503
RESTRICTED TO BUSINESS COLLEGE GRADUATE STUDENTS
8679005 A M 6:00-9:30PM

TOPICS MGT INFO SYS MIS 539 3 CR.
PREREQ: 503 OR EQUIVALENT
RESTRICTED TO BUSINESS COLLEGE GRADUATE STUDENTS
7953005 A R 6:00-9:30PM
SECT A: JAN 20-APRIL 14
7953010 B S 1:10-4:30
SECT B: JAN 15-APRIL 9
7953015 C W 6:00-9:30PM
SECT C: JAN 19-APRIL 13

SPECIAL TOPICS MIS 590 1-3 CR.
PREREQ: PERMISSION OF INSTRUCTOR
******* SEE DEPT FOR REFERENCE NUMBERS

SEMINAR IN MIS MIS 598X 3 CR.
PREREQ: 503 OR EQUIVALENT; GRADUATE CLASSIFICATION
8081005 A MW 2:10-3:30

CREATIVE COMPONENT MIS 599 3 CR.
PREREQ: GRADUATE CLASSIFICATION, PERMISSION OF SUPERVISORY COMMITTEE CHAIR
******* SEE DEPT FOR REFERENCE NUMBERS

RESEARCH MIS 699 3-6 CR.
PREREQ: GRADUATE CLASSIFICATION, PERMISSION OF MAJOR PROFESSOR
******* SEE DEPT FOR REFERENCE NUMBERS
MARKETING

PRIN OF MARKETING MKT 340 3 CR.
PREREQ: ECON 101
SEC A1,B1,C1 RESTRICTED TO ACCT, BUS S, BUS U, FIN, I BUS, MGMT, MIS, POM, TRLOG MAJORS ONLY.
SECTIONS A2,B2,C2 FOR COLLEGES OTHER THAN BUSINESS.
PERMISSION OF COLLEGE REQUIRED TO ADD DURING 1ST WEEK; GO TO 1200 GERDIN
5352005 A1 TR 12:40-2:00
5352010 A2 TR 10:00-10:50
5352020 A2 MW 10:00-10:50
5352025 C1 TR 8:00-9:20
5352030 C2 TR 8:00-9:20

PROMOTIONAL STRATEG MKT 410 3 CR.
PREREQ: CR OR ENROLLMENT IN 447
COURSE RESTRICTED TO MKT MAJORS ONLY.
AVAILABLE FOR NONMAJOR GRADUATE CREDIT.
PERMISSION OF COLLEGE REQUIRED TO ADD DURING 1ST WEEK; GO TO 1200 GERDIN
5355005 A TR 3:30-5:00
5355010 B MWF 9:00-9:50

SALES MANAGEMENT MKT 442 3 CR.
PREREQ: 340
COURSE RESTRICTED TO MKT MAJORS ONLY
AVAILABLE FOR NONMAJOR GRADUATE CREDIT.
PERMISSION OF COLLEGE REQUIRED TO ADD DURING 1ST WEEK; GO TO 1200 GERDIN
5357005 A TR 9:30-10:30
5357010 B MW 9:00-10:50

STRATEG MRTNG MGT MKT 443 3 CR.
PREREQ: 444, 447
COURSE RESTRICTED TO MKT SENIORS GRADUATING S05
PERMISSION OF COLLEGE REQUIRED TO ADD DURING 1ST WEEK; GO TO 1200 GERDIN
5358005 A TR 9:30-10:30
5358010 B TR 11:00-12:20

FUND MARKTG RSEARCH MKT 444 3 CR.
PREREQ: 340, STAT 226
COURSE RESTRICTED TO MKT MAJORS ONLY.
AVAILABLE FOR NONMAJOR GRADUATE CREDIT.
PERMISSION OF COLLEGE REQUIRED TO ADD DURING 1ST WEEK; GO TO 1200 GERDIN
5359005 A TR 12:40-2:00
5359010 B TR 9:30-10:50
5359015 C TR 11:00-12:20

FUND CONSUMER BEHAV MKT 447 3 CR.
PREREQ: 340
SECTS A1,B1,C1 RESTRICTED TO MKT MAJORS ONLY.
SECTS A2,B2,C2 FOR MAJORS OTHER THAN MKT, P BUS.
AVAILABLE FOR NONMAJOR GRADUATE CREDIT.
PERMISSION OF COLLEGE REQUIRED TO ADD DURING 1ST WEEK; GO TO 1200 GERDIN
5362005 A1 MW 2:10-3:00
5362010 A2 MW 2:10-3:00
5362015 B1 MW 3:30-5:00
5362020 B2 MW 3:30-5:00
5362025 C1 TR 9:30-10:50
5362030 C2 TR 9:30-10:50
5362035 D1 MWF 12:10-1:00
5362040 D2 MWF 12:00-12:50

MARKETING

FUND INT'L MARKETING MKT 448 3 CR.
PREREQ: 340
SEC A1,B1 RESTRICTED TO MKT, I BUS MAJORS ONLY.
SEC A2,B2 RESTRICTED TO ACCT, BUS S, BUS U, FIN, MGMT, MIS, POM, TRLOG MAJORS ONLY.
MEETS INTERNATIONAL PERSPECTIVES REQMT.
AVAILABLE FOR NONMAJOR GRADUATE CREDIT.
PERMISSION OF COLLEGE REQUIRED TO ADD DURING 1ST WEEK; GO TO 1200 GERDIN
9609005 A1 MW 11:00-11:50
9609010 A2 MW 11:00-11:50
9609015 B1 MW 1:10-2:00
9609020 B2 MW 1:10-2:00

INDEPENDENT STUDY MKT 490 1-3 CR.
PREREQ: 340, SR CLASSIFICATION; INSTRUCTOR PERMISSN
DEPARTMENT PERMISSION REQUIRED, PROCESS APPROVED ADD SLIP IN 10 ALUMNI HALL
******* SEE DEPT FOR REFERENCE NUMBERS

INTERNATNL BUSINESS MKT 509 2 CR.
PREREQ: GRADUATE CLASSIFICATION
COURSE RESTRICTED TO BUSAD GRADUATE MAJORS
9131005 R M 8:30-11:50
9131010 S S 8:30-11:50
SECT S:JAN 15-APRIL 16
MEETS AFTERNOONS ONLY JAN 15-APRIL 16
MEETS MORNINGS ONLY MARCH 19-APRIL 9.

NEW PRODUCT DEV&MKT MKT 542 3 CR.
PREREQ: 504
RESTRICTED TO BUSINESS COLLEGE GRADUATE STUDENTS
8896005 A T 6:00-9:30PM
SECT A:JAN 18-APRIL 12
8896010 S S 8:30-11:50
SECT S:JAN 15-APRIL 9
MATERIALS ENGINEERING

CERAM PROCES: FIRING MAT E 322 3 CR.
PREQ: 211
AVAILABLE FOR NONMAJOR GRADUATE CREDIT.
6592005 A TF 3:10-4:00
6592010 B TF 3:10-4:00
M 3:10-6:00PM

SEMICND MTRLS&DEVIC MAT E 332 3 CR.
PREQ: 331 OR E E 333 AND CR OR ENROLLMENT IN E E 312 OR PHYS 222
AVAILABLE FOR NONMAJOR GRADUATE CREDIT.
6597005 TR 12:40-2:00

NONDESTRUCT TESTING MAT E 362 3 CR.
PREQ: PHYS 112 OR 222
AVAILABLE FOR NONMAJOR GRADUATE CREDIT.
5045005 MWF 11:00-11:50

CERAMIC INDUSTRIES MAT E 424 3 CR.
PREQ: 322
AVAILABLE FOR NONMAJOR GRADUATE CREDIT.
6652005 MWF 11:00-11:50

MICROELEC FABRICATN MAT E 432 4 CR.
PREQ: 332
MATERIALS AND EQUIPMENT USE FEE $250.00
AVAILABLE FOR NONMAJOR GRADUATE CREDIT.
6677005 MW 3:10-4:00, ARRANGED
MATERIALS ENGINEERING

CORROSION & FAILURE ANALYSIS MAT E 444 3 CR.
PREREQ: 211, 318
AVAILABLE FOR NON MAJOR GRADUATE CREDIT.
6680005 MF 9:00-9:50 T 3:10-5:00

PHYSICOMECHANICAL PROPERTIES OF POLYMERS MAT E 453 3 CR.
PREREQ: 351
AVAILABLE FOR NON MAJOR GRADUATE CREDIT.
6681005 M 11:00-1:00 T 12:10-3:00

MULTIDISCIPLINARY DESIGN MAT E 466 3 CR.
PREREQ: COURSE TO BE TAKEN WITHIN 2 SEMESTERS OF GRADUATION, PERMISSION OF INSTRUCTOR
1740005 T 3:10-4:00 TR 4:10-6:00PM DEPARTMENT PERMISSION REQUIRED, PROCESS APPROVED ADD SLIP IN 10 ALUMNI HALL

INDEPENDENT STUDY MAT E 490 VAR. CR.
******* SEE DEPT FOR REFERENCE NUMBERS

COOPERATIVE EDUCATION MAT E 498 R CR.
PREREQ: 398, PERMISSION OF DEPARTMENT PERMISSION OF ADVISER & CAREER SERVICES REQUIRED, COLLEGE WILL REGISTER STUDENT
5066005 ARRANGED

MATERIALS SCIENCE & ENGINEERING

KINETICS OF PROCESS M S E 502 3 CR.
PREREQ: 501
5068005 TR 12:40-2:00

BIOETHICAL & MATERIALS MACROMOLECULAR SYSTEMS M S E 521 3 CR.
PREREQ: M S E 201, E M 301 OR 324 5075005 A MWF 10:00-10:50

STRUCTURAL AND PROPERTIES OF GLASS M S E 528 3 CR.
PREREQ: MAT E 423 OR MAT E 212 OR CHEM 321 5090005 ARRANGED

ELECTRICAL PROPERTIES OF MATERIALS M S E 539 3 CR.
PREREQ: MAT E 331 OR E E 332 OR PHYS 322 2931005 MWF 1:10-2:00

FUNDAMENTALS OF MATERIALS M S E 550 4 CR.
PREREQ: MATH 385 AND E M 301 OR E M 324 8550005 MWF 10:00-10:50 T 9:00-10:50

PHYSICOMECHANICAL PROPERTIES OF MATERIALS M S E 553 3 CR.
PREREQ: MAT E 351 3502005 M 11:00-1:00 T 12:10-3:00

BIOMATERIALS M S E 580 3 CR.
PREREQ: MAT E 211 OR 272 5091005 ARRANGED

MATERIALS SCIENCE & ENGINEERING

SPECIAL TOPICS M S E 590 VAR. CR.
PREREQ: PERMISSION OF INSTRUCTOR
******* SEE DEPT FOR REFERENCE NUMBERS

ADVANCED TOPICS IN MATERIALS SCIENCE M S E 690 VAR. CR.
PREREQ: PERMISSION OF INSTRUCTOR
******* SEE DEPT FOR REFERENCE NUMBERS

ENGINEERING INTERNSHIP M S E 697 R CR.
SATISFACTORY-FAIL ONLY.
PREREQ: PERMISSION OF DEPARTMENT, GRADUATION CLASSIFICATION
5115005 A MWF 11:00-1:00 5115010 B MWF 11:00-1:00

INTRO TO MATH IDEAS MATH 104 3 CR.
PREREQ: SATISFACTORY PERFORMANCE ON PLACEMENT EXAM, 2 YEARS OF HS ALGEBRA, 1 YEAR OF HS GEOMETRY CREDIT FOR EITHER MATH 104 OR MATH 149, BUT NOT BOTH, MAY BE APPLIED TOWARD GRADUATION. CREDITS EARNED IN MATH 104 CANNOT BE APPLIED TOWARD GRADUATION BY MATH MAJORS.
5128005 A MWF 11:00-11:50

COLLEGE ALGEBRA MATH 140 3 CR.
PREREQ: SATISFACTORY PERFORMANCE ON PLACEMENT EXAM, 2 YEARS OF HS ALGEBRA, 1 YEAR OF HS GEOMETRY CREDIT FOR EITHER MATH 140 OR MATH 149, BUT NOT BOTH, MAY BE APPLIED TOWARD GRADUATION. CREDITS EARNED IN MATH 140 CANNOT BE APPLIED TOWARD GRADUATION BY MATH MAJORS.
5132005 A1 ARRANGED, T 12:10-1:00 5132010 A2 ARRANGED, T 12:10-1:00

SECTION INFO:
http://orion.math.iastate.edu/algebra/sp/cur 5132015 B1 ARRANGED, T 4:10-5:00 R 4:10-5:00 COURSE DELIVERY IS WWW

SECTION INFO:
http://orion.math.iastate.edu/algebra/sp/cur 5132020 B2 ARRANGED, T 4:10-5:00 R 4:10-5:00 COURSE DELIVERY IS WWW
MATHEMATICS

COLLEGE ALGEBRA MATH 140 3 CR.
5132025 C1 ARRANGED
T 10:00-10:50
R 10:00-10:50
COURSE DELIVERY IS WWW
SECTION INFO:
http://orion.math.iastate.edu/algebra/sp/cur

TRIGONOMETRY MATH 141 2 CR.
NIGHT EXAMINATIONS SCHEDULED.
PREREQ: SATISFACTORY PERFORMANCE ON PLACEMENT
EXAM, 2 YRS OF HS ALGEBRA, 1 YR OF HS GEOMETRY, OR
ENROLLMENT IN MATH 140. MAY BE TAKEN CONCURRENTLY
WITH 140.
CREDIT FOR EITHER MATH 141 OR MATH 142, BUT NOT
BOTH, MAY BE APPLIED TOWARD GRADUATION. MATH 141
CANNOT BE APPLIED TOWARD GRADUATION BY MATH MAJORS.
THE TWO SCHEDULED HOURS ON TUES & THURS ARE FOR
EXAMS AND HELP SESSIONS ONLY.
5133005 A1 ARRANGED, R 1:10-2:00
T 1:10-2:00
SECT A1: JAN 10-APRIL 1
COURSE DELIVERY IS WWW
SECTION INFO:
http://orion.math.iastate.edu/trig/sp/curr

TRIG&ANALY GEOMETRY MATH 142 3 CR.
NIGHT EXAMINATIONS SCHEDULED.
PREREQ: SATISFACTORY PERFORMANCE ON PLACEMENT
EXAM, 2 YRS OF HS ALGEBRA, 1 YR OF HS GEOMETRY, OR
ENROLLMENT IN MATH 140. MAY BE TAKEN CONCURRENTLY
WITH 140.
CREDIT FOR EITHER MATH 141 OR MATH 142, BUT NOT
BOTH, MAY BE APPLIED TOWARD GRADUATION. MATH 141
CANNOT BE APPLIED TOWARD GRADUATION BY MATH MAJORS.
THE TWO SCHEDULED HOURS ON TUES & THURS ARE FOR
EXAMS AND HELP SESSIONS ONLY.
5133005 A1 ARRANGED, R 1:10-2:00
T 1:10-2:00
SECT A1: JAN 10-APRIL 1
COURSE DELIVERY IS WWW
SECTION INFO:
http://orion.math.iastate.edu/trig/sp/curr

MATHEMATICS

DISC MATH BUS&SOC S MATH 150 3 CR.
PREREQ: SATISFACTORY PERFORMANCE ON PLACEMENT
EXAM, 2 YRS OF HS ALGEBRA, 1 YR OF HS GEOMETRY
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 A1 ARRANGED, W 9:00-9:50
SEC A1 IS A WORLD WIDE WEB LECTURE. THE
SCHEDULED HOUR IS FOR LAB SESSIONS ONLY.
COURSE DELIVERY IS WWW
SECTION INFO:
http://orion.math.iastate.edu/mathbus/sp/cur

SPRING 2005 Last Updated 09-17-2004
MATHEMATICS

DISC MATH BUS & SOC SCI MATH 150 3 CR.
SECTION INFO:
http://orion.math.iastate.edu/mathbus/sp/cur
5135130 Q1 ARRANGED, W 4:10-5:00
SEC Q1 IS WORLD WIDE WEB COURSE. SEE SEC A1 NOTE.
COURSE DELIVERY IS WWW
SECTION INFO:
http://orion.math.iastate.edu/mathbus/sp/cur
5135135 R1 ARRANGED, F 4:10-5:00
SEC R1 IS WORLD WIDE WEB COURSE. SEE SEC A1 NOTE.
COURSE DELIVERY IS WWW
SECTION INFO:
http://orion.math.iastate.edu/mathbus/sp/cur
5135140 T1 ARRANGED
W 5:10-6:00PM
SEC T1 IS WORLD WIDE WEB COURSE. SEE SEC A1 NOTE.
COURSE DELIVERY IS WWW

BUS & SOC SCI CALC MATH 151 3 CR.
PREREQ: SATISFACTORY PERFORMANCE ON PLACEMENT EXAM, 2 YRS OF HS ALGEBRA, 1 YR OF HS GEOMETRY
ONLY ONE OF THE FOLLOWING COURSES/SEQUENCES OF COURSES MAY BE COUNTED TOWARD GRADUATION: MATH 151, 160, 165-166, 175-176, 181-182. CREDIT EARNED IN MATH 151 CANNOT BE APPLIED TOWARD GRADUATION BY MATH MAJORS.
5136005 A1 MF 8:00-8:50
T 8:00-8:50
5136010 A2 MF 8:00-8:50
T 8:00-8:50
5136015 B1 MF 8:00-8:50
W 8:00-8:50
5136020 B2 MF 8:00-8:50
W 8:00-8:50
5136025 C1 MF 8:00-8:50
R 8:00-8:50
5136030 C2 MF 8:00-8:50
R 8:00-8:50
5136050 D1 MF 12:10-1:00
T 12:10-1:00
5136055 D2 MF 12:10-1:00
T 12:10-1:00
5136060 E1 MF 12:10-1:00
W 12:10-1:00
5136065 E2 MF 12:10-1:00
W 12:10-1:00
5136070 F1 MF 12:10-1:00
R 12:10-1:00
5136075 F2 MF 12:10-1:00
R 12:10-1:00
5136080 G1 MF 2:10-3:00
T 2:10-3:00
5136085 G2 MF 2:10-3:00
T 2:10-3:00
5136090 H1 MF 2:10-3:00
W 2:10-3:00
5136095 H2 MF 2:10-3:00
W 2:10-3:00
5136100 J1 MF 2:10-3:00
R 2:10-3:00
5136105 J2 MF 2:10-3:00
R 2:10-3:00
5136110 K1 MW 7:00-8:15PM

MATHEMATICS

SURVEY OF CALCULUS MATH 160 4 CR.
PREREQ: SATISFACTORY PERFORMANCE ON PLACEMENT EXAM, 2 YRS OF HIGH SCHOOL ALGEBRA, 1 YR OF GEOMETRY
ONLY ONE OF THE FOLLOWING COURSES/SEQUENCES OF COURSES MAY BE COUNTED TOWARD GRADUATION: MATH 151, 160, 165-166, 175-176, 181-182. CREDIT EARNED IN MATH 160 CANNOT BE APPLIED TOWARD GRADUATION BY MATH MAJORS.
5137005 A1 MTRF 10:00-10:50
5137010 A2 MTRF 10:00-10:50

CALCULUS I MATH 165 4 CR.
NIGHT EXAMINATIONS SCHEDULED.
PREREQ: SATISFACTORY PERFORMANCE ON PLACEMENT EXAM, 2 YRS OF HS ALGEBRA, 1 YR OF GEOMETRY, 1 SEMESTER OF TRIG OR ENROLLMENT IN 141 OR 142
5138005 A1 MTRF 9:00-9:50
5138010 A2 MTRF 9:00-9:50
5138015 B1 MF 10:00-10:50
T 10:00-10:50
5138020 C1 MF 10:00-10:50
T 10:00-10:50
5138025 C2 MF 10:00-10:50
T 10:00-10:50
5138030 D1 MF 10:00-10:50
R 10:00-10:50
5138035 E1 MF 10:00-10:50
R 10:00-10:50
5138040 E2 MF 10:00-10:50
R 10:00-10:50
5138045 F1 MF 11:00-11:50
T 10:00-10:50
5138050 G1 MF 11:00-11:50
T 11:00-11:50
5138055 G2 MF 11:00-11:50
T 11:00-11:50
5138060 H1 MF 11:00-11:50
R 10:00-10:50
5138065 J1 MF 11:00-11:50
R 11:00-11:50
5138070 J2 MF 11:00-11:50
R 11:00-11:50
5138075 K1 MTRF 2:10-3:00
5138080 K2 MTRF 2:10-3:00

CALCULUS II MATH 166 4 CR.
NIGHT EXAMINATIONS SCHEDULED.
PREREQ: GRADE OF C- OR BETTER IN 165, 165H, OR 175 OR HIGH MATH PLACEMENT SCORES
5139005 A1 MTRF 8:00-8:50
5139010 A2 MTRF 8:00-8:50
5139015 B1 MF 9:00-9:50
T 9:00-9:50
5139020 C1 MF 10:00-10:50
T 10:00-10:50
5139025 C2 MF 10:00-10:50
T 10:00-10:50
5139030 D1 MF 10:00-10:50
R 10:00-10:50
5139035 E1 MF 10:00-10:50
R 10:00-10:50
5139040 E2 MF 10:00-10:50
R 10:00-10:50
5139045 F1 MF 11:00-11:50
T 10:00-10:50
5139050 G1 MF 11:00-11:50
T 11:00-11:50
5139055 G2 MF 11:00-11:50
T 11:00-11:50
5139060 H1 MF 11:00-11:50
R 10:00-10:50
5139065 J1 MF 11:00-11:50
R 11:00-11:50
5139070 J2 MF 11:00-11:50
R 11:00-11:50
5139075 K1 MTRF 2:10-3:00
5139080 K2 MTRF 2:10-3:00
MATHEMATICS

CALCULUS II  MATH 166  4 CR.
5139035  E1 MWF 9:00-9:50
5139040  E2 MWF 9:00-9:50
5139045  F1 MTRF 10:00-10:50
5139050  F2 MTRF 10:00-10:50
5139055  G1 MTRF 11:00-11:50
5139060  G2 MTRF 11:00-11:50
5139065  H1 MTRF 12:10-1:00
5139070  H2 MTRF 12:10-1:00
5139080  L1 MTRF 1:10-2:00
5139085  L2 MTRF 1:10-2:00
5139090  M1 MWF 2:10-3:00
5139095  M2 MWF 2:10-3:00
5139100  N1 MWF 2:10-3:00
5139105  P1 MWF 2:10-3:00
5139110  P2 MWF 2:10-3:00
5139115  Q1 MWF 2:10-3:00
5139120  R1 MTRF 3:10-4:00
5139125  R2 MTRF 3:10-4:00
5139130  T1 MTRF 5:10-6:00PM
5139135  U1 MWF 7:30-8:50

LIFE SCI CALC&DFQ I  MATH 181  4 CR.
PREREQ: SATISFACTORY PERFORMANCE ON PLACEMENT EXAM, 2 YRS OF H.S. ALGEBRA, 1 YR H.S. GEOMETRY, 1 SEMESTER OF TRIG OR ENROLLMENT IN 141 OR 142
ONLY ONE OF THE FOLLOWING COURSES/SEQUENCES OF COURSES MAY BE APPLIED TOWARD GRADUATION: MATH 151, 160, 165-166, 175-176, 181-182. CREDITS EARNED IN MATH 181 CANNOT BE APPLIED TOWARD GRADUATION BY MATH MAJORS.
4531005  MTRF 1:10-2:00

LIFE SCI CALC&DFQ II  MATH 182  4 CR.
PREREQ: 181
ONLY ONE OF THE FOLLOWING COURSES/SEQUENCES OF COURSES MAY BE APPLIED TOWARD GRADUATION: MATH 151, 160, 165-166, 175-176, 181-182. CREDITS EARNED IN MATH 182 CANNOT BE APPLIED TOWARD GRADUATION BY MATH MAJORS.
1338005  MTRF 9:00-9:50

MATH FOR ELEM ED I  MATH 195  3 CR.
NIGHT EXAMINATIONS SCHEDULED.
PREREQ: SATISFACTORY PERFORMANCE ON PLACEMENT EXAM, 2 YRS OF HS ALGEBRA, 1 YR OF HS GEOMETRY, ENROLLMENT IN ELEMENTARY EDUCATION
COURSE RESTRICTED TO EL ED, ECE E & ECE F MAJORS.
CREDITS EARNED IN MATH 195 CANNOT BE APPLIED TOWARD GRADUATION BY MATH MAJORS.
5144005  A MWF 9:30-10:50
5144010  B MWF 11:00-12:20
5144015  C MWF 2:10-3:30

INTRO TO PROOFS  MATH 201  2 CR.
PREREQ: 166 OR 166H
CREDIT FOR EITHER MATH 201 OR THE SEQUENCE MATH 175-176, BUT NOT BOTH, MAY BE APPLIED TOWARD GRADUATION
6998005  TR 10:00-10:50

CALCULUS III  MATH 265  4 CR.
PREREQ: GRADE OF C- OR BETTER IN 166, 166H, OR 176
5151005  A1 MTRF 9:00-9:50
5151010  A2 MTRF 9:00-9:50
5151015  B1 MWF 10:00-10:50
5151020  B2 MWF 10:00-10:50
5151025  C1 MWF 10:00-10:50
5151030  D1 MWF 10:00-10:50
5151035  D2 MWF 10:00-10:50
5151040  E1 MWF 10:00-10:50
5151045  F1 MWF 11:00-11:50
5151050  G1 MWF 12:10-1:00
5151055  G2 MWF 12:10-1:00
5151060  H1 MWF 1:10-2:00
5151070  J1 MWF 1:10-2:00
5151075  J2 MWF 1:10-2:00
5151080  K1 MTRF 2:10-3:00
5151085  K2 MTRF 2:10-3:00

HONORS CALCULUS III  MATH 265H  4 CR.
PREREQ: PERMISSION OF THE INSTRUCTOR; AND 166, 166H, OR 176
HIGH MATH PLACEMENT SCORES RECOMMENDED BUT NOT REQUIRED. PREFERENCE WILL BE GIVEN TO STUDENTS IN THE UNIVERSITY HONORS PROGRAM.
2073005  MTRF 8:00-8:50

ELEM DIFF EQUATNS  MATH 266  3 CR.
PREREQ: GRADE OF C- OR BETTER IN 166, 166H, OR 176
CREDIT FOR EITHER MATH 267 OR THE MATH 266,268 PAIR OF COURSES, BUT NOT BOTH, MAY BE APPLIED TOWARD GRADUATION
5152005  A MWF 10:00-10:50
5152010  B MWF 11:00-11:50
5152015  C MWF 12:10-1:00
5152020  D TR 11:00-12:20
MATHEMATICS

ELEM DIFF EQUATNS MATH 266 3 CR.
5152025 B TR 12:40-2:00
5152030 P TR 2:10-3:30

DIFF EQ & TRANSFMS MATH 267 4 CR.
PREREQ: GRADE OF C- OR BETTER IN 166, 166H, OR 176
CREDIT FOR EITHER MATH 267 OR THE MATH 266, 268 PAIR OF COURSES, BUT NOT BOTH, MAY BE APPLIED TOWARD GRADUATION
5153005 A1 MTRF 9:00-9:50
5153010 A2 MTRF 9:00-9:50
5153011 A3 MTRF 9:00-9:50
5153015 B1 MTRF 10:00-10:50
5153020 B2 MTRF 10:00-10:50
5153025 B3 MTRF 10:00-10:50
5153030 C1 MTRF 12:10-1:00
5153031 C2 MTRF 12:10-1:00
5153035 D1 MTRF 1:10-2:00
5153040 D2 MTRF 1:10-2:00
5153045 D3 MTRF 1:10-2:00
5153050 E1 MTRF 2:10-3:00
5153055 E2 MTRF 2:10-3:00
5153060 E3 MTRF 2:10-3:00

LAPLACE TRANSFORMS MATH 268 1 CR.
PREREQ: 266
CREDIT FOR EITHER MATH 267 OR THE MATH 266, 268 PAIR OF COURSES, BUT NOT BOTH, MAY BE APPLIED TOWARD GRADUATION
5154005 TR 9:00-9:50
JAN 10-MARCH 4

SPECIAL PROBLEMS MATH 290 1-3 CR.
DEPARTMENT PERMISSION REQUIRED, PROCESS APPROVED ADD SLIP IN 10 ALUMNI HALL
5156005 ARRANGED

SPECIAL PROB HONORS MATH 290H 1-3 CR.
PREREQ: MEMBERSHIP IN UNIV HONORS PROGRAM DEPARTMENT PERMISSION REQUIRED, PROCESS APPROVED ADD SLIP IN 10 ALUMNI HALL
5157005 ARRANGED

INTMED TOPIC ELEM M MATH 297 3 CR.
PREREQ: C- OR BETTER IN 196 CREDITS EARNED IN MATH 297 CANNOT BE APPLIED TOWARD GRADUATION BY MATH MAJORS
4437005 MWF 10:00-11:15

INTR ABSTRACT ALG I MATH 301 3 CR.
PREREQ: 166 OR 166H OR 176 AVAILABLE FOR NONMAJOR GRADUATE CREDIT.
5158005 A MWF 10:00-10:50
5158010 B MWF 12:10-1:00

INTR ABSTRACT ALG II MATH 302 3 CR.
PREREQ: 301 AVAILABLE FOR NONMAJOR GRADUATE CREDIT.
5159005 A1 MWF 12:10-1:00
5159010 A2 MWF 12:10-1:00

MATHEMATICS

THEORY OF MATRICES MATH 307 3 CR.
PREREQ: 2 SEMESTERS OF CALCULUS CREDIT FOR EITHER MATH 307 OR MATH 317, BUT NOT BOTH, MAY BE APPLIED TOWARD GRADUATION AVAILABLE FOR NONMAJOR GRADUATE CREDIT.
5161005 A1 MWF 10:00-10:50
5161006 A2 MWF 10:00-10:50
5161010 B1 MWF 1:10-2:00
5161015 C1 TR 2:10-3:30
5161016 C2 TR 2:10-3:30
5161020 D1 MWF 3:10-4:00
5161025 E1 TR 11:00-12:20

GRAPHS AND NETWORKS MATH 314 3 CR.
CREDIT FOR EITHER MATH 307 OR MATH 317, BUT NOT BOTH, MAY BE APPLIED TOWARD GRADUATION
5163005 TR 2:10-3:20

THRY LINEAR ALGEBRA MATH 317 4 CR.
PREREQ: 166 CREDIT FOR EITHER MATH 307 OR MATH 317, BUT NOT BOTH, MAY BE APPLIED TOWARD GRADUATION AVAILABLE FOR NONMAJOR GRADUATE CREDIT.
7872005 A MWF 9:00-9:50
7872010 B MWF 10:00-10:50

TOPOLOGY MATH 331 3 CR.
PREREQ: 307 OR 317 AVAILABLE FOR NONMAJOR GRADUATE CREDIT.
5164005 TR 9:30-10:50

INTR THY PROBAB&S I MATH 341 3 CR.
PREREQ: 265 (OR 265H) CREDIT FOR EITHER MATH/STAT 341 OR STAT 447, BUT NOT BOTH, MAY BE APPLIED TOWARD GRADUATION
5166005 MWF 2:10-3:00

INTR THY PR&STAT II MATH 342 3 CR.
PREREQ: STAT 341, AND MATH 307 OR 317
5167005 MWF 10:00-10:50

NUMBER THEORY MATH 350 3 CR.
PREREQ: 307 OR 317 AVAILABLE FOR NONMAJOR GRADUATE CREDIT.
5177005 MWF 10:00-10:50

COMPLEX VARIABLES MATH 365 3 CR.
PREREQ: 265 ONLY TWO OF MATH 365, 385, 395 MAY BE APPLIED TOWARD GRADUATION AVAILABLE FOR NONMAJOR GRADUATE CREDIT.
5168005 TR 11:00-12:20

INTR PART DIFF EQUA MATH 385 3 CR.
PREREQ: 265 AND ONE OF 266, 267 ONLY TWO OF MATH 365, 385, 395 MAY BE APPLIED TOWARD GRADUATION AVAILABLE FOR NONMAJOR GRADUATE CREDIT.
5170005 TR 8:00-9:20
MATHEMATICS

INTERMED ENGR MATH    MATH 395      4 CR.
PREREQ: 265 AND 267
ONLY TWO OF MATH 365, 385, 395 MAY BE APPLIED TOWARD GRADUATION. CREDIT FOR EITHER MATH 395 OR MATH 426, BUT NOT BOTH, MAY BE APPLIED TOWARD GRADUATION.
AVAILABLE FOR NONMAJOR GRADUATE CREDIT.
7257005   A MTRF 1:10-2:00

ADVANCED CALCULUS MATH 414      3 CR.
PREREQ: 201 OR 176; 265; 307 OR 317
AVAILABLE FOR NONMAJOR GRADUATE CREDIT.
5171005   W 11:00-11:50

ADVANCED CALCULUS MATH 415      3 CR.
PREREQ: 414
AVAILABLE FOR NONMAJOR GRADUATE CREDIT.
5172005   W 11:00-11:50

LOGIC MATH & CPTR SCI MATH 421      3 CR.
PREREQ: 301 OR 307 OR 317 OR COM S 330
AVAILABLE FOR NONMAJOR GRADUATE CREDIT.
5173005   MWF 2:10-3:00

GEOMETRY II MATH 436      3 CR.
PREREQ: 435
AVAILABLE FOR NONMAJOR GRADUATE CREDIT.
5176005   W 9:00-9:50

COMP LINEAR ALG & FIX MATH 471      3 CR.
PREREQ: 265 AND EITHER 266 OR 267; KNOWLEDGE OF FORTRAN OR C
AVAILABLE FOR NONMAJOR GRADUATE CREDIT.
5179005   W 9:30-10:50

NUMRC SOL DIFF EQUA MATH 481      3 CR.
PREREQ: 265 AND EITHER 266 OR 267; KNOWLEDGE OF FORTRAN OR C
AVAILABLE FOR NONMAJOR GRADUATE CREDIT.
5180005   TR 2:10-3:30

HISTORY OF MATH MATH 489      3 CR.
PREREQ: 6 CR IN MATH AT THE 300 LEVEL OR ABOVE MEETS INTERNATIONAL PERSPECTIVES REQMT.
AVAILABLE FOR NONMAJOR GRADUATE CREDIT.
5181005   TR 2:10-3:30

INDEPENDENT STUDY MATH 490      1–3 CR.
PREREQ: 301 OR 317; 6 CREDITS IN MATH
NO MORE THAN 9 CREDITS OF MATH 490 MAY BE COUNTED TOWARD GRADUATION
DEPARTMENT PERMISSION REQUIRED, PROCESS APPROVED ADD SLIP IN 10 ALUMNI HALL
5182005   ARRANGED

INDEPENDENT STUDY HONORS MATH 490H      1–3 CR.
PREREQ: 301 OR 317; 6 CREDITS IN MATH, MEMBERSHIP IN UNIV HONORS PROGRAM
NO MORE THAN 9 CREDITS OF MATH 490 MAY BE APPLIED TOWARD GRADUATION
DEPARTMENT PERMISSION REQUIRED, PROCESS APPROVED ADD SLIP IN 10 ALUMNI HALL
5183005   ARRANGED

MATHEMATICS

UNDERGRAD THESIS MATH 491      2–3 CR.
DEPARTMENT PERMISSION REQUIRED, PROCESS APPROVED ADD SLIP IN 10 ALUMNI HALL
5184005   ARRANGED

UNDERGRAD SEMINAR MATH 492      2 CR.
PREREQ: CONSENT OF INSTRUCTOR
6698005   ARRANGED

COOPERATIVE EDUCATN MATH 498      R CR.
PREREQ: PERMISSION OF THE DEPARTMENT COOPERATIVE EDUCATION COORDINATOR; SENIOR CLASSIFICATION
4552005   ARRANGED

NUMERICAL ANALYSES II MATH 503      3 CR.
PREREQ: 414
5370005   MWF 10:00-10:50

ABSTRACT ALGEBRA II MATH 505      3 CR.
PREREQ: 504
5187005   MWF 11:00-11:50

LINEAR ALGEBRA MATH 510      3 CR.
PREREQ: 302 OR 307 OR 317
5191005   TR 9:30-10:50

FINITE ELEMENT METH MATH 518      3 CR.
PREREQ: 414
5378005   TR 12:40-2:00

REAL ANALYSIS II MATH 516      3 CR.
PREREQ: 515
8868005   MWF 11:00-11:50

FINITE ELEMENT METH MATH 518      3 CR.
PREREQ: 414
5378005   TR 12:40-2:00

MTH APPLIED MATH II MATH 520      3 CR.
PREREQ: 519
2297005   MWF 2:10-3:00

NUM ANALY HI-P COMP MATH 525      3 CR.
PREREQ: CPR E 308 OR MATH 471 OR 481; EXPERIENCE IN SCIENTIFIC PROGRAMMING; KNOWLEDGE OF FORTRAN OR C
1367005   TR 11:00-12:20

REAL ANALYSIS II MATH 516      3 CR.
PREREQ: 515
8868005   MWF 11:00-11:50

CRYPTOGRAPHY MATH 533      3 CR.
PREREQ: MATH 301 OR CPR E 310 OR COM S 330
COURSE RESTRICTED TO GRADUATE STUDENTS ONLY
6191005   MWF 11:00-11:50

INTR DIGTL DTA HDNG MATH 535X      3 CR.
PREREQ: CPR E 531 OR E 524 OR MATH 533 (CPR E 533, INFAS 533)
8506005   TR 2:10-3:30
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<tr>
<td>ALGEBRAIC TOPOLOGY</td>
<td>MATH 537</td>
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<td>PREREQ: 331 OR 534; 301</td>
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<td>ENUM COM&amp;ORDRD SETS</td>
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<td>PREREQ: STAT 542</td>
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<td>PREREQ: 557</td>
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<td>DYNAMICAL SYSTEMS</td>
<td>MATH 561</td>
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<td>PREREQ: 414</td>
<td>MWF 1:10-2:00</td>
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<td>BOOLEAN ALGEBRAS</td>
<td>MATH 567</td>
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<td>PREREQ: 302 OR 421</td>
<td>MWF 2:10-3:00</td>
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<td>MATH LOGIC II</td>
<td>MATH 572</td>
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<td>TR 12:40-2:00</td>
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<td>RANDOM SIGNAL&amp;KALMN</td>
<td>MATH 573</td>
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<td>PREREQ: E E 321 OR AER E 331 OR M E 370 OR 411 OR MATH 341 OR 395</td>
<td>MWF 10:00-10:50</td>
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<td>OPTIMAL CONTROL</td>
<td>MATH 574</td>
<td>3</td>
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<td>PREREQ: 577</td>
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<td>MOD CTRL SYSTM II</td>
<td>MATH 578</td>
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<td>PREREQ: 577</td>
<td>TR 9:30-10:50</td>
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<tr>
<td>SPECIAL TOPICS</td>
<td>MATH 590</td>
<td>VAR.</td>
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<td>COMPUTNL MOLEC BIOL</td>
<td>MATH 594</td>
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<td>PREREQ: BIOL 301 AND 302 OR MATH 304 AND 307 (MATH 317 MAY BE USED IN PLACE OF 307) OR COM S 311 AND 330 OR EQUIVALENT COURSES</td>
<td>TR 9:30-10:50</td>
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<td>SEMINAR</td>
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**ADV TOPICS**

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<tr>
<td>ADV TOPICS ALGEBRA</td>
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<td>PREREQ: PERMISSION OF INSTRUCTOR</td>
<td>DEPARTMENT PERMISSION REQUIRED, PROCESS</td>
</tr>
<tr>
<td>APPROVED ADD SLIP IN 10 ALUMNI HALL</td>
<td></td>
</tr>
<tr>
<td>ADV TOPIC LOGIC&amp;FND</td>
<td>MATH 690L</td>
</tr>
<tr>
<td>PREREQ: PERMISSION OF INSTRUCTOR</td>
<td>DEPARTMENT PERMISSION REQUIRED, PROCESS</td>
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<tr>
<td>APPROVED ADD SLIP IN 10 ALUMNI HALL</td>
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</tbody>
</table>
MATHEMATICS

ADV TOP COMPLX ANLY   MATH 690M VAR. CR.
PREREQ: PERMISSION OF INSTRUCTOR
DEPARTMENT PERMISSION REQUIRED, PROCESS
APPROVED ADD SLIP IN 10 ALUMNI HALL
5240005   ARRANGED

ADV TOPIC NUM ANALY   MATH 690N VAR. CR.
PREREQ: PERMISSION OF INSTRUCTOR
DEPARTMENT PERMISSION REQUIRED, PROCESS
APPROVED ADD SLIP IN 10 ALUMNI HALL
5241005   ARRANGED

ADV TOP ORDI DIF EQ   MATH 690O VAR. CR.
PREREQ: PERMISSION OF INSTRUCTOR
DEPARTMENT PERMISSION REQUIRED, PROCESS
APPROVED ADD SLIP IN 10 ALUMNI HALL
5242005   ARRANGED

ADV TOP PART DIF EQ   MATH 690P VAR. CR.
PREREQ: PERMISSION OF INSTRUCTOR
DEPARTMENT PERMISSION REQUIRED, PROCESS
APPROVED ADD SLIP IN 10 ALUMNI HALL
5243005   ARRANGED

ADV TP GROUP THEORY   MATH 690Q VAR. CR.
PREREQ: PERMISSION OF INSTRUCTOR
DEPARTMENT PERMISSION REQUIRED, PROCESS
APPROVED ADD SLIP IN 10 ALUMNI HALL
6705005   ARRANGED
6705010   SS MWF 9:00-9:50

ADV TOP MATH PHYSICS   MATH 690R VAR. CR.
PREREQ: PERMISSION OF INSTRUCTOR
DEPARTMENT PERMISSION REQUIRED, PROCESS
APPROVED ADD SLIP IN 10 ALUMNI HALL
6706005   ARRANGED

ADV TOPC SET THEORY   MATH 690S VAR. CR.
PREREQ: PERMISSION OF INSTRUCTOR
DEPARTMENT PERMISSION REQUIRED, PROCESS
APPROVED ADD SLIP IN 10 ALUMNI HALL
5244005   ARRANGED

ADV TOPICS TOPOLOGY   MATH 690T VAR. CR.
PREREQ: PERMISSION OF INSTRUCTOR
DEPARTMENT PERMISSION REQUIRED, PROCESS
APPROVED ADD SLIP IN 10 ALUMNI HALL
5245005   ARRANGED

ADV TP AUTOMATA THY   MATH 690U VAR. CR.
PREREQ: PERMISSION OF INSTRUCTOR
DEPARTMENT PERMISSION REQUIRED, PROCESS
APPROVED ADD SLIP IN 10 ALUMNI HALL
5246005   ARRANGED

ADV TOP OPTIMZN THY   MATH 690V VAR. CR.
PREREQ: PERMISSION OF INSTRUCTOR
DEPARTMENT PERMISSION REQUIRED, PROCESS
APPROVED ADD SLIP IN 10 ALUMNI HALL
5247005   ARRANGED

ADV TOP PROBABILITY   MATH 690W VAR. CR.
PREREQ: PERMISSION OR INSTRUCTOR
DEPARTMENT PERMISSION REQUIRED, PROCESS
APPROVED ADD SLIP IN 10 ALUMNI HALL
9603005   ARRANGED
9603010   SS MWF 2:10-3:00
SECT SS OFFERED FOR 3 CREDITS S05

ADV TOP SPL FUNCTNS   MATH 690Y VAR. CR.
PREREQ: PERMISSION OF INSTRUCTOR
DEPARTMENT PERMISSION REQUIRED, PROCESS
APPROVED ADD SLIP IN 10 ALUMNI HALL
5244005   ARRANGED

ADV TOP RING THEORY   MATH 690Z VAR. CR.
PREREQ: PERMISSION OF INSTRUCTOR
DEPARTMENT PERMISSION REQUIRED, PROCESS
APPROVED ADD SLIP IN 10 ALUMNI HALL
6707005   ARRANGED
6707010   LL TR 9:30-10:50
SECT LL OFFERED FOR 3 CREDITS S05

RESEARCH              MATH 699 VAR. CR.
*******     SEE DEPT FOR REFERENCE NUMBERS

MECHANICAL ENGINEERING

MECH ENGR ORIENTATN   M E   102      R CR.
5807005   A R 2:10-3:00

LEARNING COMMUNITIE M E   190      1 CR.
7612005   A TR 4:10-5:00
7612010   B TR 4:10-5:00
7612015   C TR 4:10-5:00
7612020   D TR 4:10-5:00
7612025   E TR 4:10-5:00
7612030   F TR 4:10-5:00
7612035   G TR 4:10-5:00
7612040   H TR 4:10-5:00

MECH ENGR SEMINAR   M E   202      R CR.
SATISFACTORY-FAIL ONLY.
PREREQ: SOPHOMORE CLASSIFICATION
4870005   A T 2:10-3:00

ENGR THERMODYNAMS I   M E   231      3 CR.
PREREQ: MATH 265, CHEM 167, PHYS 222
COURSE RESTRICTED TO M E, A E, C E, CON E, AER E
MAJORS ONLY. CREDIT FOR EITHER M E 330 OR M E 231,
BUT NOT BOTH, MAY BE APPLIED TOWARD GRADUATION.
4877005   A MW 9:00-9:50
4877010   B MW 11:00-11:50
4877015   C MW 2:10-3:00
4877020   D MW 4:10-5:00

INTR MCH ENG DESIGN   M E   270      3 CR.
PREREQ: ENGR 170, PHYS 222
COURSE RESTRICTED TO M E MAJORS ONLY.
MATERIALS FEE $20.00
6270005   A T 2:10-3:00
6270010   B T 2:10-3:00
WED 10:00-11:50
6270015   C T 3:10-4:00
WED 12:10-2:00
MECHANICAL ENGINEERING

INTR MCH ENG DESIGN   M E   270      3 CR.
6270020   D T 3:10-4:00
           MWF 2:10-4:00

INTR HIST OF SCI II   M E   281      3 CR.
4866005   1 MW 10:00-10:50
           F 8:00-8:50
4866010   2 MW 10:00-10:50
           R 8:00-8:50
4866015   3 MW 10:00-10:50
           F 10:00-10:50
4866020   4 MW 10:00-10:50
           F 12:10-1:00

INTR HIST T&ENGR II   M E   285      3 CR.
4868005   1 MW 12:10-1:00
           R 12:10-1:00
4868010   2 MW 12:10-1:00
           R 11:00-11:50
4868015   3 MW 12:10-1:00
           F 8:00-8:50
4868020   4 MW 12:10-1:00
           F 10:00-10:50

COOPERATIVE EDUCATN   M E   298      R CR.
PREREQ: PERMISSION OF DEPT CHAIR
PERMISSION OF ADVISER & CAREER SERVICES REQUIRED,
COLLEGE WILL REGISTER STUDENT
4869005     ARRANGED

MANUFACTURING ENGR    M E   324      4 CR.
PREREQ: MAT E 272, E M 324
2-PART COURSE. REGISTER FOR LETTERED SECTION
FIRST AND THEN NUMBERED SECTION. RESTRICTED TO M E
AND A E MAJORS ONLY.
AVAILABLE FOR NONMAJOR GRADUATE CREDIT.
6277005   A MWF 10:00-10:50
6277010   B MWF 12:10-1:00
6277020   1 T 10:00-11:50
6277025   2 R 10:00-11:50
6277030   3 T 1:10-3:00
6277035   4 R 1:10-3:00
6277040   5 T 3:10-5:00
6277045   6 R 3:10-5:00
6277050   7 T 8:00-9:50
6277055   8 R 8:00-9:50

MACHINE DESIGN        M E   325      3 CR.
PREREQ: ENGR 170, E M 324, STAT 305
COURSE RESTRICTED TO M E AND A E MAJORS ONLY
AVAILABLE FOR NONMAJOR GRADUATE CREDIT.
6287005   A MWF 10:00-10:50
6287010   B MWF 11:10-2:00

THERMODYNAMICS        M E   330      3 CR.
PREREQ: PHYS 222. FOR STUDENTS ELECTING
ONE COURSE IN ENGINEERING THERMODYNAMICS
CREDIT FOR EITHER M E 231 OR M E 330, BUT NOT
BOTH, MAY BE APPLIED TOWARD GRADUATION. CREDIT IN
M E 330 WILL NOT BE APPLIED TOWARD A DEGREE IN M E.
4876005   A MWF 4:10-5:00
4876010   B MWF 1:10-2:00

MECHANICAL ENGINEERING

ENGRTHERMODYNMS II   M E   332      3 CR.
PREREQ: 231
COURSE RESTRICTED TO M E MAJORS ONLY
AVAILABLE FOR NONMAJOR GRADUATE CREDIT.
4878005   A MWF 8:00-8:50
4878010   B MWF 2:10-3:00

FLUID FLOW            M E   335      4 CR.
PREREQ: E M 345, MATH 266 OR 267, CREDIT OR
ENROLLMENT IN M E 332 AND 370
2-PART COURSE. REGISTER FOR LETTERED SECTION
FIRST AND THEN NUMBERED SECTION. RESTRICTED TO
M E MAJORS ONLY.
AVAILABLE FOR NONMAJOR GRADUATE CREDIT.
5703005   A MWF 9:00-9:50
5703010   B MWF 12:10-1:00
5703020   1 M 8:00-9:50
5703025   2 M 10:00-11:50
5703030   3 M 1:10-3:00
5703035   4 M 3:10-5:00
5703040   5 T 8:00-9:50
5703045   6 T 10:00-11:50
5703050   7 T 1:10-3:00
5703055   8 T 3:10-5:00
5703060   9 W 8:00-9:50
5703065   10 W 10:00-11:50
5703070   11 W 1:10-3:00
5703075   12 W 3:10-5:00
5703080   13 R 8:00-9:50
5703085   14 R 10:00-11:50
5703090   15 R 1:10-3:00
5703095   16 R 3:10-5:00
5703100   17 F 8:00-9:50
5703105   18 F 10:00-11:50

MEASURMTS&INSTRUMTN   M E   370      3 CR.
PREREQ: E E 442, STAT 305
RESTRICTED TO M E MAJORS ONLY.
AVAILABLE FOR NONMAJOR GRADUATE CREDIT.
4881005   A MW 8:00-8:50
           R 9:00-11:50
4881010   B MW 8:00-8:50
           R 12:10-3:00
4881015   C MW 8:00-8:50
           R 3:10-6:00PM
4881020   D MW 8:00-8:50
           T 12:10-3:00
4881025   E MW 8:00-8:50
           T 9:00-11:50
4881030   F MW 8:00-8:50
           T 3:10-6:00PM
4881035   G MW 8:00-8:50
           W 3:10-6:00PM
4881040   H MW 8:00-8:50
           F 12:10-3:00
4881045   J MW 8:00-8:50
           F 9:00-11:50
4881050   K MW 8:00-8:50
           W 9:00-11:50
4881055   L MW 8:00-8:50
           W 12:10-3:00
4881060   M MW 8:00-8:50
           M 3:10-6:00PM
MECHANICAL ENGINEERING

ENGR INTERNSHIP  M E  397  R CR.
PREREQ: PERMISSION OF DEPARTMENT CHAIR
PERMISSION OF ADVISER & CAREER SERVICES REQUIRED,
COLLEGE WILL REGISTER STUDENT
8701005  A ARRANGED

COOPERATIVE EDUC  M E  398  R CR.
PREREQ: 298, PERMISSION OF DEPARTMENT
PERMISSION OF ADVISER & CAREER SERVICES REQUIRED,
COLLEGE WILL REGISTER STUDENT
4884005  ARRANGED

M E APPL MECHATRONC  M E  410  3 CR.
PREREQ: E E 442, 448, CREDIT OR ENROLLMENT IN 421
AVAILABLE FOR NONMAJOR GRADUATE CREDIT.
5659005  A TR 10:00-10:50
5659010  B TR 12:40-1:30
5659015  C TR 4:10-4:50

MECHANICAL SYST DSN  M E  415  3 CR.
PREREQ: 324, 325
AVAILABLE FOR NONMAJOR GRADUATE CREDIT.
4888005  A TR 9:30-10:15
4888010  B TR 12:40-1:30
4888015  C TR 3:40-4:30PM

ADV MACHINE DSIGN I  M E  417  3 CR.
PREREQ: 325
AVAILABLE FOR NONMAJOR GRADUATE CREDIT.
7636005  A MW 4:10-5:25

MECH CONSID ROBOTCS  M E  418  3 CR.
PREREQ: 421
AVAILABLE FOR NONMAJOR GRADUATE CREDIT.
8109005  A MW 11:00-12:15

MECH SYST & CONTROL  M E  421  4 CR.
PREREQ: E M 345, MATH 267, E E 442, 448
COURSE RESTRICTED TO M E MAJORS ONLY
AVAILABLE FOR NONMAJOR GRADUATE CREDIT.
6310005  A TR 8:00-9:15
6310010  B TR 8:00-9:15
6310025  C TR 8:00-9:15
6310030  D TR 8:00-9:15
6310035  E TR 8:00-9:15
6310040  F TR 8:00-9:15
6310045  G TR 8:00-9:15
6310050  H TR 8:00-9:15
6310055  J TR 8:00-9:15
6310060  K TR 8:00-9:15
6310065  L TR 8:00-9:15

MECHANICAL ENGINEERING

MECH SYST & CONTROL  M E  421  4 CR.
6310070  M TR 8:00-9:15
6310075  W 1:10-2:00

MECHAN SYS OPTIMIZA  M E  425  3 CR.
PREREQ: 415, ENGR 160
AVAILABLE FOR NONMAJOR GRADUATE CREDIT.
3549005  A MWF 1:00-1:50

HEAT TRANSFER  M E  436  4 CR.
PREREQ: 335
2-PART COURSE. REGISTER FOR LETTERED SECTION
FIRST AND THEN NUMBERED SECTION. RESTRICTED TO M E,
CON E, A E MAJORS.
AVAILABLE FOR NONMAJOR GRADUATE CREDIT.
5711005  A MWF 9:00-9:50
5711010  B MWF 12:10-1:00
5711015  C M 1:10-2:00
5711020  D M 3:10-4:00
5711025  E M 4:10-5:00
5711030  F M 5:10-6:00
5711035  G M 6:10-7:00
5711040  H M 7:10-8:00
5711045  J M 8:10-9:00
5711050  K M 9:00-10:00
5711055  L M 10:00-11:00
5711060  M M 11:00-12:00
5711065  N M 12:00-1:00

HEAT&AIR COND DSIGN  M E  442  3 CR.
PREREQ: 441
AVAILABLE FOR NONMAJOR GRADUATE CREDIT.
4893005  A MWF 2:10-3:00

COMPRESSED AIR SYST  M E  443  3 CR.
PREREQ: 332
AVAILABLE FOR NONMAJOR GRADUATE CREDIT.
8258005  A MWF 10:00-11:00

INT COMB ENGN DESGN  M E  449  3 CR.
PREREQ: 324, 325, 445
AVAILABLE FOR NONMAJOR GRADUATE CREDIT.
4899005  A MW 10:00-11:00

ENGINEERG ACOUSTICS  M E  451  3 CR.
PREREQ: PHYS 221 AND MATH 266 OR 267
Lecture Only Meets Twice During Weeks When Lab
Is Held
AVAILABLE FOR NONMAJOR GRADUATE CREDIT.
4901005  A MW 3:10-4:00
4901010  B MW 4:00-5:00

MULTIDISC ENGR DSIGN  M E  466  3 CR.
PREREQ: COURSE TO BE TAKEN WITHIN 2 SEMESTERS OF
GRADUATION, PERMISSION OF INSTRUCTOR
1903005  A TR 3:10-4:00

DEPARTMENT PERMISSION REQUIRED, PROCESS
APPROVED ADD SLIP IN 10 ALUMNI HALL
MECHANICAL ENGINEERING

MODELING & SIMULATION M E 475 3 CR.
PREREQ: 421, CREDIT OR ENROLLMENT IN 436
AVAILABLE FOR NONMAJOR GRADUATE CREDIT.
4903005 A MWF 9:00-9:50

IND STD MEAS & INST M E 490C 1-6 CR.
PREREQ: SENIOR CLASSIFICATION
******* SEE DEPT FOR REFERENCE NUMBERS

IND STD HEAT TRANSF M E 490D 1-6 CR.
PREREQ: SENIOR CLASSIFICATION
******* SEE DEPT FOR REFERENCE NUMBERS

IND STD FLUID POWER M E 490E 1-6 CR.
PREREQ: SENIOR CLASSIFICATION
******* SEE DEPT FOR REFERENCE NUMBERS

IND STDY MACHIN&SYS M E 490F 1-6 CR.
PREREQ: SENIOR CLASSIFICATION
******* SEE DEPT FOR REFERENCE NUMBERS

IND STDY THERMODYN M E 490J 1-6 CR.
PREREQ: SENIOR CLASSIFICATION
******* SEE DEPT FOR REFERENCE NUMBERS

IND STD FLUID MECH M E 490K 1-6 CR.
PREREQ: SENIOR CLASSIFICATION
******* SEE DEPT FOR REFERENCE NUMBERS

IND STD TURBOMACHIN M E 490L 1-6 CR.
PREREQ: SENIOR CLASSIFICATION
******* SEE DEPT FOR REFERENCE NUMBERS

INDEP STUDY NUCL ENGR M E 490M 1-6 CR.
PREREQ: SENIOR CLASSIFICATION
******* SEE DEPT FOR REFERENCE NUMBERS

INDEP STUDY CAD/CAM M E 490N 1-6 CR.
PREREQ: SENIOR CLASSIFICATION
******* SEE DEPT FOR REFERENCE NUMBERS

COOPERATIVE EDUC M E 498 R CR.
PREREQ: 298, PERMISSION OF DEPARTMENT
PERMISSION OF ADVISER & CAREER SERVICES REQUIRED,
COLLEGE WILL REGISTER STUDENT
4918005 ARRANGED

ADV CONTROL DESIGN M E 511 3 CR.
PREREQ: 411
8144005 A TR 3:10-4:30

KINEM ANLY&SYN MECH M E 516 3 CR.
PREREQ: E M 345
4923005 A TR 4:30-5:50

MECHANICAL ENGINEERING

CPTR-AIDED ENGR ISS M E 517 3 CR.
PREREQ: 325
5685005 A MWF 12:10-1:00

BH&F POLYM&COMPOS M E 521 3 CR.
PREREQ: 324 OR MAT E 272 AND E M 324
4926005 A MWF 10:00-10:50

MECH MACHIN&FINISHG M E 527 3 CR.
PREREQ: 324
8269005 A TR 3:40-5:00

NANOMANUF&MEMS TECH M E 528 3 CR.
PREREQ: 324
1068005 A TR 11:00-12:20

COMPRESBL FLUID FLO M E 532 3 CR.
PREREQ: 335 OR AER E 541
6272005 A TR 8:00-9:20

ADV HEAT TRANSFER M E 536 3 CR.
PREREQ: 436
4933005 A MW 3:10-4:30

FLU MECH&HEAT TR II M E 547 3 CR.
PREREQ: 546
4940005 MWF 2:10-3:00

SIGNAL PROCESS MECH M E 551 3 CR.
PREREQ: E M 451, MATH 385
4942005 MWF 2:10-3:00

CMPT GRPH&GEOM MOD M E 557 3 CR.
PREREQ: PROGRAMMING EXPERIENCE IN C, MATH 307 OR EQUIVALENT
4889005 TR 12:40-2:00

RANDOM SIGNAL&KALMN M E 573 3 CR.
PREREQ: E E 324 OR AER E 331 OR M E 370 OR 411
OR MATH 341 OR 395
8196005 MWF 10:00-10:50

OPTIMAL CONTROL M E 574 3 CR.
PREREQ: 577
8197005 MWF 1:10-2:00

MOD CONTRL SYSTM II M E 578 3 CR.
PREREQ: 577
8200005 TR 9:30-10:50

SPL TOP GAS DYN M E 590A 1-8 CR.
******* SEE DEPT FOR REFERENCE NUMBERS

SPL TOP FLUID MECH M E 590B 1-8 CR.
******* SEE DEPT FOR REFERENCE NUMBERS

SPL TOP HEAT TRANSF M E 590C 1-8 CR.
******* SEE DEPT FOR REFERENCE NUMBERS

SPL TOP THERMODYN M E 590D 1-8 CR.
******* SEE DEPT FOR REFERENCE NUMBERS
MECHANICAL ENGINEERING

SPL TOP TURBOMACHIN M E 590E 1-8 CR.
******* SEE DEPT FOR REFERENCE NUMBERS

SP TOP VEHIC PROPUL M E 590F 1-8 CR.
******* SEE DEPT FOR REFERENCE NUMBERS

SP TOP ADV MACH DSN M E 590G 1-8 CR.
******* SEE DEPT FOR REFERENCE NUMBERS

SPL TOP AUTO CONTRL M E 590I 1-8 CR.
******* SEE DEPT FOR REFERENCE NUMBERS

SPL TOP ENVIR & DSGN M E 590J 1-8 CR.
******* SEE DEPT FOR REFERENCE NUMBERS

SPL TOP MATLS BEHAV M E 590K 1-8 CR.
******* SEE DEPT FOR REFERENCE NUMBERS

SPL TOP MFG PROCESS M E 590L 1-8 CR.
******* SEE DEPT FOR REFERENCE NUMBERS

SPL TOP TRIBOLOGY M E 590M 1-8 CR.
******* SEE DEPT FOR REFERENCE NUMBERS

SPL TOP SENSTV METH M E 590N 1-8 CR.
******* SEE DEPT FOR REFERENCE NUMBERS

SPL TOP ENGR COMPUT M E 590O 1-8 CR.
******* SEE DEPT FOR REFERENCE NUMBERS

SPL TOP ENGR MEASUR M E 590P 1-8 CR.
******* SEE DEPT FOR REFERENCE NUMBERS

SP TOP LIT INVESTIG M E 590Q 1-8 CR.
******* SEE DEPT FOR REFERENCE NUMBERS

SPECIAL TOP CAD/CAM M E 590S 1-8 CR.
******* SEE DEPT FOR REFERENCE NUMBERS

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

SEMINAR M E 600 R CR.
4964005 A R 11:00-11:50

SURFACE MODELING M E 625 3 CR.
PREREQ: 519, PROGRAMMING EXPERIENCE IN C
5749005 A TR 8:00-9:20

MULTIPHASE FLOW M E 632 3 CR.
PREREQ: 538
4967005 A ARRANGED

CONVECTN HEAT TRANS M E 637 3 CR.
PREREQ: 436
4969005 A ARRANGED

ADV TOP EXP GAS DYN M E 690A VAR. CR.
******* SEE DEPT FOR REFERENCE NUMBERS

MECHANICAL ENGINEERING

ADV TOP FLUID MECH M E 690B VAR. CR.
******* SEE DEPT FOR REFERENCE NUMBERS

ADV TOP HEAT TRANSF M E 690C VAR. CR.
******* SEE DEPT FOR REFERENCE NUMBERS

ADV TOPIC THERMODYN M E 690D VAR. CR.
******* SEE DEPT FOR REFERENCE NUMBERS

ADV TOP TURBOMACHIN M E 690E VAR. CR.
******* SEE DEPT FOR REFERENCE NUMBERS

ADV TOP VEHIC PROPUL M E 690F VAR. CR.
******* SEE DEPT FOR REFERENCE NUMBERS

ADV TOP MACH DESIGN M E 690G VAR. CR.
******* SEE DEPT FOR REFERENCE NUMBERS

ADV TOP AUTO CONTRL M E 690I VAR. CR.
******* SEE DEPT FOR REFERENCE NUMBERS

ADV TOP MATLS BEHAV M E 690K VAR. CR.
******* SEE DEPT FOR REFERENCE NUMBERS

ADV TOP MFG PROCESS M E 690L VAR. CR.
******* SEE DEPT FOR REFERENCE NUMBERS

ADV TOP TRIBOLOGY M E 690M VAR. CR.
******* SEE DEPT FOR REFERENCE NUMBERS

ADV TOP SENSTV METH M E 690N VAR. CR.
******* SEE DEPT FOR REFERENCE NUMBERS

ADV TOP ENGR COMPUT M E 690O VAR. CR.
******* SEE DEPT FOR REFERENCE NUMBERS

ADV TOP ENGR MEASUR M E 690P VAR. CR.
******* SEE DEPT FOR REFERENCE NUMBERS

ADV TOP LIT INVESTIG M E 690Q VAR. CR.
******* SEE DEPT FOR REFERENCE NUMBERS

RESEARCH M E 699 VAR. CR.
Satisfactory-Fail only.
******* SEE DEPT FOR REFERENCE NUMBERS

METEOROLOGY

SYNOPTIC APPLICATNS MTEOR 111 1 CR.
PREREQ: CREDIT OR ENROLL IN MATH 165. ENROLLMENT
RESTRICTED TO MAJORS ONLY, OR INSTRUCTOR PERMISSION
5641005 TR 12:10-1:00
INSTRUCTOR PERMISSION REQUIRED, PROCESS
APPROVED ADD SLIP IN 10 ALUMNI HALL
SECTION INFO:
http://meteor.iastate.edu/classes/mt111/
SYLLABUS:
http://meteor.iastate.edu/classes/mt111/

INTRO METEOROLOGY MTEOR 206 3 CR.
5375005 MWF 2:10-3:00 CERVATO C
METEOROLOGY

COOPERATIVE EDUCATION MTEOR 298 R CR.
PREREQ: PERMISSION OF THE DEPT COOPERATIVE EDUCATION COORDINATOR; SOPHOMORE CLASSIFICATION
4813005 ARRANGED

GEN METEOROLOGY I MTEOR 301 4 CR.
PREREQ: MATH 166, CREDIT OR ENROLLMT IN PHYS 222
AVAILABLE FOR NONMAJOR GRADUATE CREDIT.
5376005 1 MWF 9:00-9:50
T 9:00-9:50

USE WEATHER DATA AG MTEOR 306 1 CR.
PREREQ: 206
AVAILABLE FOR NONMAJOR GRADUATE CREDIT.
5380005 1 M 1:10-2:00

METEOROL INTERNSHIP MTEOR 321 1- 2 CR.
SATISFACTORY-FAIL ONLY.
PREREQ: 311; JR OR SR STANDING; PERMISSION OF COOP PROGRAM COORD; ACCEPTANCE BY SPONSORING AGENCY
5381005 ARRANGED

ENERGY &THE ENVIRON MTEOR 324 3 CR.
MTEOR/GEOL/ENV S 324 DOES NOT COUNT TOWARD CREDITS REQUIRED IN THE MTEOR MAJOR
FIELD TRIPS & TRAVEL FEE $0.00-$50.00
5614005 1 MWF 11:00-11:50

ATMOSP PHYSICS II MTEOR 342 3 CR.
PREREQ: 341
AVAILABLE FOR NONMAJOR GRADUATE CREDIT.
5383005 MWF 10:00-10:50

COOPERATIVE EDUCATN MTEOR 398 R CR.
PREREQ: PERMISSION OF THE DEPT COOPERATIVE EDUCATION COORDINATOR; JUNIOR CLASSIFICATION
4823005 ARRANGED
DEPARTMENT PERMISSION REQUIRED, PROCESS APPROVED ADD SLIP IN 10 ALUMNI HALL

GLOBAL CHANGE MTEOR 404 3 CR.
PREREQ: FOUR COURSES IN PHYSICAL OR BIOLOGICAL SCIENCES OR ENGINEERING
AVAILABLE FOR NONMAJOR GRADUATE CREDIT.
8141005 MWF 11:00-11:50
SECTION INFO:
http://www.meteor.iastate.edu/gccourse/ SYLLABUS:
http://www.meteor.iastate.edu/gccourse/oncampus.

MESOSCA FORECAS LAB MTEOR 417 3 CR.
PREREQ: CREDIT OR ENROLLMENT IN 411
AVAILABLE FOR NONMAJOR GRADUATE CREDIT.
5389005 TR 2:10-4:30
MW 4:10-4:30

ADV DYNAM MTEOR II MTEOR 443 3 CR.
PREREQ: 341
AVAILABLE FOR NONMAJOR GRADUATE CREDIT.
5385005 MWF 1:10-2:00

GLOBAL CHANGE MTEOR 504 3 CR.
PREREQ: 4 COURSES IN PHYSICAL OR BIOL SCI OR ENGR
8142005 MWF 11:00-11:50

BIOMETEOREOLOGY MTEOR 505 3 CR.
PREREQ: 206
INSTRUCTOR PERMISSION REQUIRED 1ST WEEK, PROCESS APPROVED ADD SLIP IN 10 ALUMNI HALL
5393005 TR 11:00-12:30 HORNBUCKLE B

MESOSCA FORECAS LAB MTEOR 517 3 CR.
PREREQ: CREDIT OR ENROLLMENT IN 411
4577005 TR 2:10-4:30
MW 4:10-4:30

INSTRUMNT&MEASURMN MTEOR 532 3 CR.
PREREQ: CR OR ENR IN STAT 105, MATH 266, PHYS 222
4576005 MW 2:10-3:00

ADV DYNAM MTEOR II MTEOR 544 3 CR.
PREREQ: 543
5397005 MWF 12:10-1:00
SPRING 2005     Last Updated 09-17-2004

METEOROLOGY

CIRCLTN/ADV DYNAMIC   MTEOR 555      3 CR.
PREREQ: 454
4579005     MWF 3:10-4:00

SPL TOP BOUND-LAYER MTEOR 590A  1- 3 CR.
PREREQ: PERMISSION OF INSTRUCTOR
8427005     ARRANGED

SPL TOPICS TROPICAL MTEOR 590B  1- 3 CR.
PREREQ: PERMISSION OF INSTRUCTOR
8429005     ARRANGED

SPL TOPICS MESOSCALE MTEOR 590C  1- 3 CR.
PREREQ: PERMISSION OF INSTRUCTOR
8430005     ARRANGED

SPL TOP GLOBAL SYST MTEOR 590D  1- 3 CR.
PREREQ: PERMISSION OF INSTRUCTOR
8411005     ARRANGED

SPL TOPC CLIM MODEL MTEOR 590E  1- 3 CR.
SATISFACTORY-FAIL ONLY.
PREREQ: PERMISSION OF INSTRUCTOR
8432005     ARRANGED

SPL TOP NUMERI PRED MTEOR 590F  1- 3 CR.
PREREQ: PERMISSION OF INSTRUCTOR
8413005     ARRANGED

SPL TOP SATEL OBSRV MTEOR 590G  1- 3 CR.
PREREQ: PERMISSION OF INSTRUCTOR
8434005     ARRANGED

SPL TOP STAT METHDS MTEOR 590H  1- 3 CR.
PREREQ: PERMISSION OF INSTRUCTOR
8435005     ARRANGED

SPL TOP FIELD OBSRV MTEOR 590I  1- 3 CR.
PREREQ: PERMISSION OF INSTRUCTOR
8437005     ARRANGED

SPL TOP LOW FREQ MD MTEOR 590J  1- 3 CR.
PREREQ: PERMISSION OF INSTRUCTOR
1230005     ARRANGED

SPL TOPC CLOUD PHYS MTEOR 590K  1- 3 CR.
PREREQ: PERMISSION OF INSTRUCTOR
3901005     ARRANGED

SPL TOP ATMOS RADIA MTEOR 590L  1- 3 CR.
PREREQ: PERMISSION OF INSTRUCTOR
3904005     ARRANGED

RESEARCH MTEOR 699 VAR. CR.
******     SEE DEPT FOR REFERENCE NUMBERS

MICROBIOLOGY

INTRO MICROBIOL LAB MICRO 201L  1 CR.
PREREQ: CREDIT OR ENROLLMENT IN 201 OR 302
1433005     1 MW 8:00-9:00
1433010     2 MW 9:30-10:30
1433015     3 MW 11:00-12:00
1433020     4 TR 8:00-9:00
1433025     5 TR 9:30-10:30
1433030     6 TR 11:00-12:00

BIOL MICROORGANISMS MICRO 302  3 CR.
PREREQ: BIOL 201, CREDIT OR ENROLLMT IN BIOL 202;
ONE SEMESTER OF CHEMISTRY
1426005     A MWF 10:00-10:50

MICROBIOLOGY LAB MICRO 302L  1 CR.
PREREQ: CREDIT OR ENROLLMENT IN 302
3024005     1 MW 1:10-2:20
3024010     2 MW 2:30-3:40

INSECTS &OUR HEALTH MICRO 374  3 CR.
PREREQ: 3 CREDITS IN BIOLOGICAL SCIENCES
MEETS INTERNATIONAL PERSPECTIVES REQMT.
AVAILABLE FOR NONMAJOR GRADUATE CREDIT.
2784005     A MWF 2:10-3:00

SAFTY FOOD FROM ANI MICRO 407  3 CR.
PREREQ: 420
1881005     A TR 9:30-10:50

FOOD BIOTECHNOLOGY MICRO 425  3 CR.
PREREQ: 201L, 302; A COURSE IN BIOCHEMISTRY
5575005     F 2:10-4:00
M 2:10-5:00

PROCARYO DIVERS&ECO MICRO 430  3 CR.
PREREQ: 302,302L
6309005     TR 9:30-10:50

UNDERGRAD SEMINAR MICRO 450  1 CR.
PREREQ: SP CM 212
5319005     R 11:00-11:50

IMMUNOLOGY MICRO 475  3 CR.
PREREQ: 310
CREDIT FOR EITHER MICRO 475 OR V MPM 520, BUT NOT
BOTH, MAY BE APPLIED TOWARD GRADUATION
9677005     MWF 8:00-8:50

INDEPENDENT STUDY MICRO 490  1- 5 CR.
PREREQ: A MINIMUM OF 6 CR HOURS OF 300-LEVEL OR
ABOVE COURSEWORK IN MICRO, PERMISSION OF INSTRUCTOR
A MAXIMUM OF 6 CREDITS OF MICRO 490 MAY BE
USED TOWARD THE TOTAL OF 128 CREDITS REQUIRED FOR
GRADUATION
INSTRUCTOR PERMISSION REQUIRED 1ST WEEK, PROCESS
APPROVED ADD SLIP IN 10 ALUMNI HALL
*******     SEE DEPT FOR REFERENCE NUMBERS

HONORS INDEP STUDY MICRO 490H  1- 5 CR.
PREREQ: A MINIMUM OF 6 CR OF 300-LEVEL OR ABOVE
COURSEWORK IN MICRO, INSTR PERMISSION, MEMBERSHIP IN
UNIV HONORS PROGRAM
A MAXIMUM OF 6 CREDITS OF MICRO 490 MAY BE
USED TOWARD THE TOTAL OF 128 CREDITS REQUIRED FOR
GRADUATION
INSTRUCTOR PERMISSION REQUIRED 1ST WEEK, PROCESS
APPROVED ADD SLIP IN 10 ALUMNI HALL

MICROBIOLOGY

GENERAL MICROBIOLGY MICRO 201  2 CR.
PREREQ: ONE SEMESTER OF COLLEGE-LEVEL BIOLOGY
5305005     TR 1:10-2:00

MICROBIOLOGY

INTRO MICROBIOL LAB MICRO 201L  1 CR.
PREREQ: CREDIT OR ENROLLMENT IN 201 OR 302
1433005     1 MW 8:00-9:00
1433010     2 MW 9:30-10:30
1433015     3 MW 11:00-12:00
1433020     4 TR 8:00-9:00
1433025     5 TR 9:30-10:30
1433030     6 TR 11:00-12:00

BIOL MICROORGANISMS MICRO 302  3 CR.
PREREQ: BIOL 201, CREDIT OR ENROLLMT IN BIOL 202;
ONE SEMESTER OF CHEMISTRY
1426005     A MWF 10:00-10:50

MICROBIOLOGY LAB MICRO 302L  1 CR.
PREREQ: CREDIT OR ENROLLMENT IN 302
3024005     1 MW 1:10-2:20
3024010     2 MW 2:30-3:40

INSECTS &OUR HEALTH MICRO 374  3 CR.
PREREQ: 3 CREDITS IN BIOLOGICAL SCIENCES
MEETS INTERNATIONAL PERSPECTIVES REQMT.
AVAILABLE FOR NONMAJOR GRADUATE CREDIT.
2784005     A MWF 2:10-3:00

SAFTY FOOD FROM ANI MICRO 407  3 CR.
PREREQ: 420
1881005     A TR 9:30-10:50

FOOD BIOTECHNOLOGY MICRO 425  3 CR.
PREREQ: 201L, 302; A COURSE IN BIOCHEMISTRY
5575005     F 2:10-4:00
M 2:10-5:00

PROCARYO DIVERS&ECO MICRO 430  3 CR.
PREREQ: 302,302L
6309005     TR 9:30-10:50

UNDERGRAD SEMINAR MICRO 450  1 CR.
PREREQ: SP CM 212
5319005     R 11:00-11:50

IMMUNOLOGY MICRO 475  3 CR.
PREREQ: 310
CREDIT FOR EITHER MICRO 475 OR V MPM 520, BUT NOT
BOTH, MAY BE APPLIED TOWARD GRADUATION
9677005     MWF 8:00-8:50

INDEPENDENT STUDY MICRO 490  1- 5 CR.
PREREQ: A MINIMUM OF 6 CR HOURS OF 300-LEVEL OR
ABOVE COURSEWORK IN MICRO, PERMISSION OF INSTRUCTOR
A MAXIMUM OF 6 CREDITS OF MICRO 490 MAY BE
USED TOWARD THE TOTAL OF 128 CREDITS REQUIRED FOR
GRADUATION
INSTRUCTOR PERMISSION REQUIRED 1ST WEEK, PROCESS
APPROVED ADD SLIP IN 10 ALUMNI HALL
*******     SEE DEPT FOR REFERENCE NUMBERS

HONORS INDEP STUDY MICRO 490H  1- 5 CR.
PREREQ: A MINIMUM OF 6 CR OF 300-LEVEL OR ABOVE
COURSEWORK IN MICRO, INSTR PERMISSION, MEMBERSHIP IN
UNIV HONORS PROGRAM
A MAXIMUM OF 6 CREDITS OF MICRO 490 MAY BE
USED TOWARD THE TOTAL OF 128 CREDITS REQUIRED FOR
GRADUATION
INSTRUCTOR PERMISSION REQUIRED 1ST WEEK, PROCESS
APPROVED ADD SLIP IN 10 ALUMNI HALL

MICROBIOLOGY

GENERAL MICROBIOLGY MICRO 201  2 CR.
PREREQ: ONE SEMESTER OF COLLEGE-LEVEL BIOLOGY
5305005     TR 1:10-2:00
SPRING 2005     Last Updated 09-17-2004

MICROBIOLOGY

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

INTERNSHIP            MICRO 495   1- 2 CR.
SATISFACTORY-FAIL ONLY.
PREREQ: AT LEAST 6 CREDITS OF 300-LEVEL OR ABOVE
COURSEWORK IN MICRO, APPROVAL OF ACADEMIC ADVISOR
9679005     ARRANGED

SAFTY FOOD FROM ANIMAL MICRO 507      3 CR.
PREREQ: 420
2129005   A TR 9:30-10:50

PLANT VIROLOGY        MICRO 509      4 CR.
PREREQ: PL P 407, BOT 404, BBMB 406, CHM 211
5327005     TR 8:00-8:50, ARRANGED

PROCAROT DIVRS&ECO MICRO 530      3 CR.
PREREQ: 302
6600005     TR 9:30-10:50

VIROLOGY               MICRO 554X     1 CR.
PREREQ: UNDERGRADUATE COURSES IN GENERAL MICRO
 AND GENETICS
7118005     MWF 10:00-10:50
JAN 10- FEB 11

FUNGCAL BIOLOGY       MICRO 555X     1 CR.
PREREQ: UNDERGRADUATE COURSES IN GENERAL MICRO
 AND GENETICS
7138005     MWF 10:00-10:50
FEB 14- MARCH 25

MICRBI ECO&ENV MONIT MICRO 556X     1 CR.
PREREQ: UNDERGRADUATE COURSES IN GENERAL MICRO
 AND GENETICS
7159005     MWF 10:00-10:50
APRIL 4- MAY 6

IMMUNOLOGY            MICRO 575      3 CR.
PREREQ: 310
5335005     MWF 8:00-8:50

IMMUNOLOGY LAB        MICRO 575L     1 CR.
PREREQ: CREDIT OR ENROLLMENT IN 475 OR 575
6720005     1 TR 1:10-4:00
SECT 1: JAN 10- MARCH 4

SEMINAR               MICRO 604     1 CR.
SATISFACTORY-FAIL ONLY.
6962005      A R 4:10-5:00

MECHNSM BACT PATHOG MICRO 625      4 CR.
PREREQ: 286 AND 520
6954005     ARRANGED
MINION F

GENERAL MYCOLOGY II MICRO 642      4 CR.
PREREQ: PL P 407
5343005     MW 9:00-9:50
MW 12:10-3:00

TRANSMIS EL MICROSC MICRO 681      5 CR.
PREREQ: PERMISSION OF INSTRUCTOR
MATERIALS PER $100.00
INSTRUCTOR PERMISSION REQUIRED 1ST WEEK, PROCESS
APPROVED ADD SLIP IN 10 ALUMNI HALL

MICROBIOLOGY

5346005     W 12:10-1:00
F 8:00-8:50
W 1:10-4:00
F 9:00-9:50
F 12:30-4:00

CURR TOPIC MICROBIO MICRO 690A     1- 3 CR.
PREREQ: PERMISSION OF INSTRUCTOR
INSTRUCTOR PERMISSION REQUIRED 1ST WEEK, PROCESS
APPROVED ADD SLIP IN 10 ALUMNI HALL
*******     SEE DEPT FOR REFERENCE NUMBERS

SEMINAR IN MCDM MICRO 698     1- 2 CR.
5350005     M 3:10-5:00

RESEARCH            MICRO 699 VAR. CR.
INSTRUCTOR PERMISSION REQUIRED 1ST WEEK, PROCESS
APPROVED ADD SLIP IN 10 ALUMNI HALL
*******     SEE DEPT FOR REFERENCE NUMBERS

MILITARY SCIENCE

U S DEFENSE ESTABLISHED M S 102     1 CR.
NO MORE THAN 10 CREDITS IN M S 100- AND 200-LEVEL
COURSES MAY BE APPLIED TOWARD GRADUATION
4995005     1 T 11:00-11:50      MEYER H
4995010     2 W 10:00-10:50      MEYER H
4995015     3 R 11:00-11:50      MEYER H
INSTRUCTOR PERMISSION REQUIRED, PROCESS
APPROVED ADD SLIP IN 10 ALUMNI HALL
4995020     4 ARRANGED      MEYER H
4995025     5 TR 10:00-10:50     MEYER H
SECT 5: MARCH 7- MAY 6
4995030     6 ARRANGED     MEYER H
SECT 6: MARCH 7- MAY 6
INSTRUCTOR PERMISSION REQUIRED, PROCESS
APPROVED ADD SLIP IN 10 ALUMNI HALL

BASIC LEADERSHIP LAB M S 102L     1 CR.
NO MORE THAN 10 CREDITS IN M S 100- AND 200-LEVEL
COURSES MAY BE APPLIED TOWARD GRADUATION
2983005     1 W 4:10-5:00      MEYER H
ARRANGED

MAP READ&LAND NAVIG M S 202     2 CR.
NO MORE THAN 10 CREDITS IN M S 100- AND 200-LEVEL
COURSES MAY BE APPLIED TOWARD GRADUATION
4999005     1 MW 11:00-11:50     EDWARDS J
4999010     2 TR 9:00-9:50      EDWARDS J
4999015     3 TR 4:10-5:00      EDWARDS J
4999020     4 ARRANGED      EDWARDS J
INSTRUCTOR PERMISSION REQUIRED, PROCESS
APPROVED ADD SLIP IN 10 ALUMNI HALL

BASIC LEADERSHIP LAB M S 202L    1 CR.
NO MORE THAN 10 CREDITS IN M S 100- AND 200-LEVEL
COURSES MAY BE APPLIED TOWARD GRADUATION
3198005     1 W 4:10-5:00      EDWARDS J
ARRANGED

INDEPENDENT STUDY M S 290     1- 3 CR.
PREREQ: PERMISSION OF INSTRUCTOR
NO MORE THAN 10 CREDITS IN M S 100- AND 200-LEVEL
COURSES MAY BE APPLIED TOWARD GRADUATION
8153005     1 T 11:00-11:50      MEYER H
ARRANGED
DEPARTMENT PERMISSION REQUIRED, PROCESS
APPROVED ADD SLIP IN 10 ALUMNI HALL
MILITARY SCIENCE

SMALL UNIT TACTICS M S 302 3 CR.
PREREQ: COMPLETION OF BASIC PROGRAM
5002005 1 TR 12:40-2:00 HISE B
DEPARTMENT PERMISSION REQUIRED, PROCESS
APPROVED ADD SLIP IN 10 ALUMNI HALL
5002010 2 TR 2:10-3:25 HISE B
DEPARTMENT PERMISSION REQUIRED, PROCESS
APPROVED ADD SLIP IN 10 ALUMNI HALL

ADV LEADERSHIP LAB M S 302L 1 CR.
PREREQ: COMPLETION OF THE BASIC PROGRAM
5005005 1 W 4:10-5:00 HISE B
ARRANGED
DEPARTMENT PERMISSION REQUIRED, PROCESS
APPROVED ADD SLIP IN 10 ALUMNI HALL

FIELD TRAIN EXERCIS M S 310 1 CR.
SATISFACTORY-FAIL ONLY.
PREREQ: COMPLETION OF BASIC PROGRAM
5006005 1 ARRANGED HISE B
DEPARTMENT PERMISSION REQUIRED, PROCESS
APPROVED ADD SLIP IN 10 ALUMNI HALL

SEMINR: PRO OFFICER M S 402 3 CR.
PREREQ: COMPLETION OF BASIC PROGRAM
5009005 1 MW 12:10-1:30 BRAUE L
DEPARTMENT PERMISSION REQUIRED, PROCESS
APPROVED ADD SLIP IN 10 ALUMNI HALL
5009010 2 MW 1:30-3:00 BRAUE L
DEPARTMENT PERMISSION REQUIRED, PROCESS
APPROVED ADD SLIP IN 10 ALUMNI HALL

ADV LEADERSHIP LAB M S 402L 1 CR.
PREREQ: COMPLETION OF THE BASIC PROGRAM
5010005 1 W 4:10-5:00 BRAUE L
ARRANGED
DEPARTMENT PERMISSION REQUIRED, PROCESS
APPROVED ADD SLIP IN 10 ALUMNI HALL

FIELD TRAIN EXERCIS M S 410 1 CR.
SATISFACTORY-FAIL ONLY.
PREREQ: COMPLETION OF BASIC PROGRAM
5011005 1 ARRANGED BRAUE L
DEPARTMENT PERMISSION REQUIRED, PROCESS
APPROVED ADD SLIP IN 10 ALUMNI HALL

INDEPENDENT STUDY M S 490 1 CR.
PREREQ: 402, PERMISSION OF THE PROFESSOR OF M S
9598005 ARRANGED
DEPARTMENT PERMISSION REQUIRED, PROCESS
APPROVED ADD SLIP IN 10 ALUMNI HALL

MOLECULAR CELLULAR DEV BIOLOGY

MOLECULAR GENETICS MCDB 511 3 CR.
5303005 A MWF 9:00-9:50

PLANT GROWTH&DEVELP MCDB 512 2 CR.
PREREQ: BOT 320 OR A COURSE IN DEVELOPMENTAL BIOL;
B B 404, 405 OR GEN 520
5251005 MW 10:00-10:50

MOLECULAR CELLULAR DEV BIOLOGY

SPECIAL TOPICS MCDB 590 VAR. CR.
5260005 ARRANGED

HORMON &GROWTH FACT MCDB 645 2 CR.
PREREQ: BBMB 420, 405, OR 502
6830005 TR 11:00-11:50 NILSEN-HAMILTON

GRAD RESRCH ROTATN MCDB 697 1-6 CR.
SATISFACTORY-FAIL ONLY.
7278005 ARRANGED

SEMINAR IN MCDB MCDB 698 1-2 CR.
COURSE OFFERED FOR 1 CREDIT ONLY S05.
5275005 M 3:10-5:00

RESEARCH MCDB 699 VAR. CR.
******* SEE DEPT FOR REFERENCE NUMBERS

MUSIC

FUNDAMNTLS OF MUSIC MUSIC 101 2 CR.
PREREQ: ABILITY TO READ ELEM MUSICAL NOTATION
7180005 A MWF 9:00-9:50
7180010 B MWF 10:00-10:50

INTR MUSIC LISTEN I MUSIC 102 3 CR.
MATERIALS FEE $10.00
MEETS INTERNATIONAL PERSPECTIVES REQMT.
5406005 A MWF 9:00-9:50
5406010 B MWF 10:00-10:50

BASIC MUSICIANSHIP MUSIC 105 3 CR.
PREREQ: PERFORMING ARTS MAJOR CLASSIFICATION
2975005 M 2:10-3:00
MTWR 2:10-3:00

WIND ENSEMBLE MUSIC 111 1 CR.
PREREQ: OPEN TO ALL STUDENTS BY AUDITION
5408005 MTWR 12:10-1:00

CONCERT BAND MUSIC 112 1 CR.
PREREQ: OPEN TO ALL STUDENTS WHO PERFORM ON A
WIND OR PERCUSSION INSTRUMENT IN HS BAND OR
ORCHESTRA
5409005 TR 4:10-5:30

JAZZ ENSEMBLE MUSIC 113 1 CR.
PREREQ: OPEN TO ALL STUDENTS BY AUDITION
STUDENT MUST ENROLL IN ASSIGNED SECTION
5410005 A TR 2:10-3:40
5410010 B MWF 4:10-5:00

PEP BAND MUSIC 114B 1 CR.
PREREQ: STUDENTS SELECTED BY AUDITION FROM
CURRENT MEMBERS OF 11A
4603005 T 6:00-7:00PM

SYMPHONIC BAND MUSIC 115 1 CR.
PREREQ: OPEN TO ALL STUDENTS BY AUDITION
9610005 MW 3:10-4:00
MUSIC

APPLIED MUSIC VOICE  MUSIC 118A  1- 2 CR.
PREREQ: AUDITION, PERMISSION OF INSTRUCTOR
APPLIED MUSIC FEE  $90.00-$130.00
*******  SEE DEPT FOR REFERENCE NUMBERS

APPLIED MUSIC PIANO  MUSIC 118B  1- 2 CR.
PREREQ: AUDITION, PERMISSION OF INSTRUCTOR
APPLIED MUSIC FEE  $90.00-$130.00
*******  SEE DEPT FOR REFERENCE NUMBERS

APPLIED MUSIC ORGAN  MUSIC 118C  1- 2 CR.
PREREQ: AUDITION, PERMISSION OF INSTRUCTOR
APPLIED MUSIC FEE  $90.00-$130.00
*******  SEE DEPT FOR REFERENCE NUMBERS

APPLIED MUSIC STRINGS  MUSIC 118D  1- 2 CR.
PREREQ: AUDITION, PERMISSION OF INSTRUCTOR
APPLIED MUSIC FEE  $90.00-$130.00
*******  SEE DEPT FOR REFERENCE NUMBERS

APPLIED MUSIC CARILLON  MUSIC 118E  1- 2 CR.
PREREQ: AUDITION, PERMISSION OF INSTRUCTOR
APPLIED MUSIC FEE  $90.00-$130.00
*******  SEE DEPT FOR REFERENCE NUMBERS

APPLIED MUSIC WOODWIND  MUSIC 118F  1- 2 CR.
PREREQ: AUDITION, PERMISSION OF INSTRUCTOR
APPLIED MUSIC FEE  $90.00-$130.00
*******  SEE DEPT FOR REFERENCE NUMBERS

APPLIED MUSIC BRASS  MUSIC 118G  1- 2 CR.
PREREQ: AUDITION, PERMISSION OF INSTRUCTOR
APPLIED MUSIC FEE  $90.00-$130.00
*******  SEE DEPT FOR REFERENCE NUMBERS

APPLIED MUSIC PERCUSS  MUSIC 118I  1- 2 CR.
PREREQ: AUDITION, PERMISSION OF INSTRUCTOR
APPLIED MUSIC FEE  $90.00-$130.00
*******  SEE DEPT FOR REFERENCE NUMBERS

APPLIED MUSIC HARPSICD  MUSIC 118K  1- 2 CR.
PREREQ: AUDITION, PERMISSION OF INSTRUCTOR
APPLIED MUSIC FEE  $90.00-$130.00
*******  SEE DEPT FOR REFERENCE NUMBERS

APPLIED MUSIC VOICE  MUSIC 119A  1- 3 CR.
PREREQ: AUDITION, INSTR PERMNT, MUSIC MAJORS ONLY
APPLIED MUSIC FEE  $90.00-$130.00
*******  SEE DEPT FOR REFERENCE NUMBERS

APPLIED MUSIC PIANO  MUSIC 119B  1- 3 CR.
PREREQ: AUDITION, INSTR PERMNT, MUSIC MAJORS ONLY
APPLIED MUSIC FEE  $90.00-$130.00
*******  SEE DEPT FOR REFERENCE NUMBERS

APPLIED MUSIC ORGAN  MUSIC 119C  1- 3 CR.
PREREQ: AUDITION, INSTR PERMNT, MUSIC MAJORS ONLY
APPLIED MUSIC FEE  $90.00-$130.00
*******  SEE DEPT FOR REFERENCE NUMBERS

APPLIED MUSIC STRINGS  MUSIC 119D  1- 3 CR.
PREREQ: AUDITION, INSTR PERMNT, MUSIC MAJORS ONLY
APPLIED MUSIC FEE  $90.00-$130.00
*******  SEE DEPT FOR REFERENCE NUMBERS

APPLIED MUSIC CARILLON  MUSIC 119E  1- 3 CR.
PREREQ: AUDITION, INSTR PERMNT, MUSIC MAJORS ONLY
APPLIED MUSIC FEE  $90.00-$130.00
*******  SEE DEPT FOR REFERENCE NUMBERS

APPLIED MUSIC WOODWIND  MUSIC 119F  1- 3 CR.
PREREQ: AUDITION, INSTR PERMNT, MUSIC MAJORS ONLY
APPLIED MUSIC FEE  $90.00-$130.00
*******  SEE DEPT FOR REFERENCE NUMBERS

APPLIED MUSIC BRASS  MUSIC 119G  1- 3 CR.
PREREQ: AUDITION, INSTR PERMNT, MUSIC MAJORS ONLY
APPLIED MUSIC FEE  $90.00-$130.00
*******  SEE DEPT FOR REFERENCE NUMBERS

APPLIED MUSIC PERCUSS  MUSIC 119I  1- 3 CR.
PREREQ: AUDITION, INSTR PERMNT, MUSIC MAJORS ONLY
APPLIED MUSIC FEE  $90.00-$130.00
*******  SEE DEPT FOR REFERENCE NUMBERS

APPLIED MUSIC HARPSICD  MUSIC 119K  1- 3 CR.
PREREQ: AUDITION, INSTR PERMNT, MUSIC MAJORS ONLY
APPLIED MUSIC FEE  $90.00-$130.00
*******  SEE DEPT FOR REFERENCE NUMBERS

INTR MUSIC LIT&STYL  MUSIC 120  3 CR.
PREREQ: 221
5430005  MWF 9:00-9:50

CLASS STUDY PIANO I  MUSIC 127  1 CR.
PREREQ: 101 OR AUDITION, & PERMSN OF INSTR
5432005  A MW 12:10-1:00

CLASS STUDY PIANO I  MUSIC 128  1 CR.
PREREQ: 127 OR AUDITION, & PERMSN OF INSTR
INSTRUCTOR PERMISSION REQUIRED 1ST WEEK, PROCESS
APPROVED ADD SLIP IN 10 ALUMNI HALL
5433005  A MW 10:00-10:50
5433010  B TR 10:00-10:50

VOCAL JAZZ ENSEMBLE  MUSIC 131  1 CR.
PREREQ: OPEN BY AUDITION AND PERMISSION OF
INSTRUCTR; CONCURRENT ENROLLMENT IN 151 OR 161 OR
171
5435005  ARRANGED

BASIC VOICE TECHNIQ  MUSIC 133  1 CR.
PREREQ: PERMISSION OF INSTRUCTOR
INSTRUCTOR PERMISSION REQUIRED 1ST WEEK, PROCESS
APPROVED ADD SLIP IN 10 ALUMNI HALL
5436005  TR 11:00-11:50

LYRICA WOMENS CHOIR  MUSIC 141  1 CR.
PREREQ: OPEN TO ALL FEMALE STUDENTS BY AUDITION
5437005  MWF 2:10-3:00
MUSIC

CANTAMUS WMNS CHOIR MUSIC 151A  1 CR.
PREREQ: OPEN TO ALL STUDENTS BY AUDITION
4461005  MWF 11:00-11:50

STATESMEN MNS CHOIR MUSIC 151B  1 CR.
PREREQ: OPEN TO ALL STUDENTS BY AUDITION
4471005  MWF 1:10-2:00

IOWA STATE SINGERS MUSIC 161  1 CR.
PREREQ: OPEN TO ALL STUDENTS BY AUDITION
5441005  MTWRF 12:10-1:00

SYMPHONY ORCHESTRA MUSIC 181  1 CR.
PREREQ: OPEN TO ALL STUDENTS BY AUDITION
5443005  TR 4:10-6:00PM

APPLIED MUSIC VOICE MUSIC 219A  1- 3 CR.
PREREQ: AUDITION, INSTR PERMSN, MUSIC MAJORS ONLY
APPLIED MUSIC FEE $90.00-$130.00
*******  SEE DEPT FOR REFERENCE NUMBERS

APPLIED MUSIC PIANO MUSIC 219B  1- 3 CR.
PREREQ: AUDITION, INSTR PERMSN, MUSIC MAJORS ONLY
APPLIED MUSIC FEE $90.00-$130.00
*******  SEE DEPT FOR REFERENCE NUMBERS

APPLIED MUSIC ORGAN MUSIC 219C  1- 3 CR.
PREREQ: AUDITION, INSTR PERMSN, MUSIC MAJORS ONLY
APPLIED MUSIC FEE $90.00-$130.00
*******  SEE DEPT FOR REFERENCE NUMBERS

APPLIED MUSIC STRINGS MUSIC 219D  1- 3 CR.
PREREQ: AUDITION, INSTR PERMSN, MUSIC MAJORS ONLY
APPLIED MUSIC FEE $90.00-$130.00
*******  SEE DEPT FOR REFERENCE NUMBERS

APPLIED MUSIC CARILLON MUSIC 219E  1- 3 CR.
PREREQ: AUDITION, INSTR PERMSN, MUSIC MAJORS ONLY
APPLIED MUSIC FEE $90.00-$130.00
*******  SEE DEPT FOR REFERENCE NUMBERS

APPLIED MUSIC WOODWIND MUSIC 219F  1- 3 CR.
PREREQ: AUDITION, INSTR PERMSN, MUSIC MAJORS ONLY
APPLIED MUSIC FEE $90.00-$130.00
*******  SEE DEPT FOR REFERENCE NUMBERS

APPLIED MUSIC BRASS MUSIC 219G  1- 3 CR.
PREREQ: AUDITION, INSTR PERMSN, MUSIC MAJORS ONLY
APPLIED MUSIC FEE $90.00-$130.00
*******  SEE DEPT FOR REFERENCE NUMBERS

APPLIED MUSIC PERCUSS MUSIC 219I  1- 3 CR.
PREREQ: AUDITION, INSTR PERMSN, MUSIC MAJORS ONLY
APPLIED MUSIC FEE $90.00-$130.00
*******  SEE DEPT FOR REFERENCE NUMBERS

APPLIED MUSIC HARPISCD MUSIC 219K  1- 3 CR.
PREREQ: AUDITION, INSTR PERMSN, MUSIC MAJORS ONLY
APPLIED MUSIC FEE $90.00-$130.00
*******  SEE DEPT FOR REFERENCE NUMBERS

MUSIC CLASS STDY PIANO II MUSIC 227  1 CR.
PREREQ: 128 OR AUDITION & PERMISSION OF INSTR
INSTRUCTOR PERMISSION REQUIRED 1ST WEEK, PROCESS
APPLIED MUSIC FEE $90.00-$130.00

MUSIC CLASS STDY PIANO II MUSIC 228  1 CR.
PREREQ: 227 OR AUDITION & PERMISSION OF INSTR
INSTRUCTOR PERMISSION REQUIRED 1ST WEEK, PROCESS
APPLIED MUSIC FEE $90.00-$130.00

MATERIALS OF MUSIC I MUSIC 231  3 CR.
PREREQ: 221

INTRO MUSIC TECHNOLOGY MUSIC 248  2 CR.
PREREQ: 101 OR 221 AND 222, INSTRUCTOR PERMISSION
SEC A RESTRICTED TO MU BM, MU BA MAJORS
SEC B FOR MAJORS OTHER THAN MU BM, MU BA

MUSIC IN ELEMENTARY EDUC MUSIC 265  3 CR.
PREREQ: HD FS 226 OR PSYCH 230

SPECIAL PROB EDUCATION MUSIC 290A VAR.  CR.
PREREQ: INST PERMSN, 12 CR MUSIC, DEPT HEAD APPRV
INSTRUCTOR PERMISSION REQUIRED 1ST WEEK, PROCESS
APPLIED MUSIC FEE $90.00-$130.00

SPECIAL PROB THEORY MUSIC 290B VAR.  CR.
PREREQ: INST PERMSN, 12 CR MUSIC, DEPT HEAD APPRV
INSTRUCTOR PERMISSION REQUIRED 1ST WEEK, PROCESS
APPLIED MUSIC FEE $90.00-$130.00

SPECIAL PROB LITERATURE MUSIC 290E VAR.  CR.
PREREQ: INST PERMSN, 12 CR MUSIC, DEPT HEAD APPRV
INSTRUCTOR PERMISSION REQUIRED 1ST WEEK, PROCESS
APPLIED MUSIC FEE $90.00-$130.00
### MUSIC

**SPL Prob Appl Music**  
MUSIC 290F  
**CR.**  
**Prereq:** Inst PermSN, 12 CR MUSIC, DEPT HEAD APFVR  
**Professional Support Fee:** $196.00-$245.00  
**Instructor Permission Required 1st Week, Process**  
**Approved Add Slip in 10 Alumni Hall**  
******* See Dept for Reference Numbers

**Special Prob Honors**  
MUSIC 290H  
**CR.**  
**Prereq:** DEPT CHAIR Approval, Honors Prog Member  
**Instructor Permission Required 1st Week, Process**  
**Approved Add Slip in 10 Alumni Hall**  
******* See Dept for Reference Numbers

**Opera Studio**  
MUSIC 301  
**1-3 CR.**  
**Prereq:** Permission of Instructor  
**5467005 WF 2:10-3:30**

**Hist of Rock & Roll**  
MUSIC 304  
**3 CR.**  
**Prereq:** 101, 102, 221, or 222  
**Materials Fee:** $10.00  
**8118005 MW 1:10-2:00**

**Applied Music Voice**  
MUSIC 318A  
**1-2 CR.**  
**Prereq:** Audition, Permission of Instructor  
**Applied Music Fee:** $90.00-$130.00  
******* See Dept for Reference Numbers

**Applied Music Piano**  
MUSIC 318B  
**1-2 CR.**  
**Prereq:** Audition, Permission of Instructor  
**Applied Music Fee:** $90.00-$130.00  
******* See Dept for Reference Numbers

**Applied Music Organ**  
MUSIC 318C  
**1-2 CR.**  
**Prereq:** Audition, Permission of Instructor  
**Applied Music Fee:** $90.00-$130.00  
******* See Dept for Reference Numbers

**Applied Music Strings**  
MUSIC 318D  
**1-2 CR.**  
**Prereq:** Audition, Permission of Instructor  
**Applied Music Fee:** $90.00-$130.00  
******* See Dept for Reference Numbers

**Applied Music Carillon**  
MUSIC 318E  
**1-2 CR.**  
**Prereq:** Audition, Permission of Instructor  
**Applied Music Fee:** $90.00-$130.00  
******* See Dept for Reference Numbers

**Applied Music Woodwind**  
MUSIC 318F  
**1-2 CR.**  
**Prereq:** Audition, Permission of Instructor  
**Applied Music Fee:** $90.00-$130.00  
******* See Dept for Reference Numbers

**Applied Music Brass**  
MUSIC 318G  
**1-2 CR.**  
**Prereq:** Audition, Permission of Instructor  
**Applied Music Fee:** $90.00-$130.00  
******* See Dept for Reference Numbers

**Applied Music Percussion**  
MUSIC 318H  
**1-2 CR.**  
**Prereq:** Audition, Permission of Instructor  
**Applied Music Fee:** $90.00-$130.00  
******* See Dept for Reference Numbers

**Applied Music Harpsichord**  
MUSIC 318K  
**1-2 CR.**  
**Prereq:** Audition, Permission of Instructor  
**Applied Music Fee:** $90.00-$130.00  
******* See Dept for Reference Numbers

**Applied Music Voice**  
MUSIC 319A  
**1-3 CR.**  
**Prereq:** Audition, Instructor PermSN, Music Major  
**Applied Music Fee:** $90.00-$130.00  
******* See Dept for Reference Numbers

**Applied Music Piano**  
MUSIC 319B  
**1-3 CR.**  
**Prereq:** Audition, Instructor PermSN, Music Major  
**Applied Music Fee:** $90.00-$130.00  
******* See Dept for Reference Numbers

**Applied Music Organ**  
MUSIC 319C  
**1-3 CR.**  
**Prereq:** Audition, Instructor PermSN, Music Major  
**Applied Music Fee:** $90.00-$130.00  
******* See Dept for Reference Numbers

**Applied Music Strings**  
MUSIC 319D  
**1-3 CR.**  
**Prereq:** Audition, Instructor PermSN, Music Major  
**Applied Music Fee:** $90.00-$130.00  
******* See Dept for Reference Numbers

**Applied Music Carillon**  
MUSIC 319E  
**1-3 CR.**  
**Prereq:** Audition, Instructor PermSN, Music Major  
**Applied Music Fee:** $90.00-$130.00  
******* See Dept for Reference Numbers

**Applied Music Woodwind**  
MUSIC 319F  
**1-3 CR.**  
**Prereq:** Audition, Instructor PermSN, Music Major  
**Applied Music Fee:** $90.00-$130.00  
******* See Dept for Reference Numbers

**Applied Music Brass**  
MUSIC 319G  
**1-3 CR.**  
**Prereq:** Audition, Instructor PermSN, Music Major  
**Applied Music Fee:** $90.00-$130.00  
******* See Dept for Reference Numbers

**Applied Music Percussion**  
MUSIC 319I  
**1-3 CR.**  
**Prereq:** Audition, Instructor PermSN, Music Major  
**Applied Music Fee:** $90.00-$130.00  
******* See Dept for Reference Numbers

**Adv Ensemble Voice**  
MUSIC 321A  
**1 CR.**  
**Prereq:** Advanced Proficiency and Performing Ability, Permission of Director and Dept Chair  
******* See Dept for Reference Numbers

**Adv Ensemble Piano**  
MUSIC 321B  
**1 CR.**  
**Prereq:** Advanced Proficiency and Performing Ability, Permission of Director and Dept Chair  
******* See Dept for Reference Numbers
<table>
<thead>
<tr>
<th>Course</th>
<th>CR.</th>
<th>Schedule</th>
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<tbody>
<tr>
<td>MUSIC LAB ENSEMBLE CHORAL</td>
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<tr>
<td>MUSIC 358A R CR. 7311005</td>
<td></td>
<td>W 4:10-5:45</td>
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<tr>
<td>MUSIC LAB ENSEMBLE INSTRUMENT</td>
<td></td>
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<tr>
<td>MUSIC 358B R CR. 7330005</td>
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<td>F 12:10-1:00</td>
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<tr>
<td>CONDUCTING II CHORAL</td>
<td>2 CR.</td>
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<tr>
<td>MUSIC 362A 2 CR. 1236005</td>
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<td>TR 4:10-5:00</td>
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<tr>
<td>MUSIC 362B 2 CR. 1240005</td>
<td></td>
<td>MW 9:00-9:50</td>
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<tr>
<td>MUSIC 362B 2 CR. 1240005</td>
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<td>W 4:10-5:45</td>
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<tr>
<td>MCH BND&amp;JZ ENS TECH</td>
<td>2 CR.</td>
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<tr>
<td>MUSIC 368 2 CR. 4598005</td>
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<td>TR 9:00-9:50</td>
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<tr>
<td>HISTORY OF MUSIC II</td>
<td>3 CR.</td>
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<tr>
<td>MUSIC 384 3 CR. 5512005</td>
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<td>MWF 10:00-10:50</td>
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<tr>
<td>LIT &amp; PEDAGOGY VOICE</td>
<td>1- 4 CR.</td>
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<tr>
<td>MUSIC 417A 1- 4 CR. 419A 1- 3 CR.</td>
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<td>PREREQ: PERMISSION OF INSTRUCTOR</td>
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<td>PREREQ: AUDITION, INSTR PERMSN, MUSIC MAJORS ONLY</td>
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<tr>
<td>APPLIED MUSIC VOICE</td>
<td>1- 3 CR.</td>
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<tr>
<td>MUSIC 419A 1- 3 CR. 419B 1- 3 CR.</td>
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<td>PREREQ: AUDITION, INSTR PERMSN, MUSIC MAJORS ONLY</td>
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<tr>
<td>APPLIED MUSIC PIANO</td>
<td>1- 3 CR.</td>
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<tr>
<td>MUSIC 419B 1- 3 CR. 419B 1- 3 CR.</td>
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<td>PREREQ: AUDITION, INSTR PERMSN, MUSIC MAJORS ONLY</td>
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</tbody>
</table>
MUSIC

APPLIED MUSIC ORGAN  MUSIC 419C  1- 3 CR.
PREREQ: AUDITION, INSTR PERMSN, MUSIC MAJORS ONLY
APPLIED MUSIC FEE  $90.00-$130.00
*******  SEE DEPT FOR REFERENCE NUMBERS

APPLIED MUSIC STRINGS  MUSIC 419D  1- 3 CR.
PREREQ: AUDITION, INSTR PERMSN, MUSIC MAJORS ONLY
APPLIED MUSIC FEE  $90.00-$130.00
*******  SEE DEPT FOR REFERENCE NUMBERS

APPLIED MUSIC CARILLON  MUSIC 419E  1- 3 CR.
PREREQ: AUDITION, INSTR PERMSN, MUSIC MAJORS ONLY
APPLIED MUSIC FEE  $90.00-$130.00
*******  SEE DEPT FOR REFERENCE NUMBERS

APPLIED MUSIC WOODWIND  MUSIC 419F  1- 3 CR.
PREREQ: AUDITION, INSTR PERMSN, MUSIC MAJORS ONLY
APPLIED MUSIC FEE  $90.00-$130.00
*******  SEE DEPT FOR REFERENCE NUMBERS

APPLIED MUSIC BRASS  MUSIC 419G  1- 3 CR.
PREREQ: AUDITION, INSTR PERMSN, MUSIC MAJORS ONLY
APPLIED MUSIC FEE  $90.00-$130.00
*******  SEE DEPT FOR REFERENCE NUMBERS

APPLIED MUSIC PERCUSS  MUSIC 419I  1- 3 CR.
PREREQ: AUDITION, INSTR PERMSN, MUSIC MAJORS ONLY
APPLIED MUSIC FEE  $90.00-$130.00
*******  SEE DEPT FOR REFERENCE NUMBERS

APPLIED MUSIC HARPSCID  MUSIC 419K  1- 3 CR.
PREREQ: AUDITION, INSTR PERMSN, MUSIC MAJORS ONLY
APPLIED MUSIC FEE  $90.00-$130.00
*******  SEE DEPT FOR REFERENCE NUMBERS

SEMINR MUSIC THEORY  MUSIC 440  3 CR.
PREREQ: 337, 338
AVAILABLE FOR NONMAJOR GRADUATE CREDIT.
5523005  MWF 8:00-8:50

HISTORY AMERI MUSIC  MUSIC 472  3 CR.
PREREQ: ABILITY TO READ MUSIC; 9 CREDITS FROM
MUSIC, AMERICAN LIT, AMERICAN HIST, ART HIST
MEETS U.S. DIVERSITY REQMT.
AVAILABLE FOR NONMAJOR GRADUATE CREDIT.
5529005  MWF 3:10-4:00

INDEP STUDY EDUCATN  MUSIC 490A VAR. CR.
PREREQ: INSTRUCTOR PERMISSION, 12 CREDITS IN
MUSIC, APPROVAL OF DEPARTMENT CHAIR
NO MORE THAN 9 CREDITS OF MUSIC 490 MAY BE
APPLIED TOWARD GRADUATION
INSTRUCTOR PERMISSION REQUIRED 1ST WEEK, PROCESS
APPROVED ADD SLIP IN 10 ALUMNI HALL
*******  SEE DEPT FOR REFERENCE NUMBERS

INDEP STUDY THEORY  MUSIC 490B VAR. CR.
PREREQ: INSTRUCTOR PERMISSION, 12 CREDITS IN
MUSIC, APPROVAL OF DEPARTMENT CHAIR
NO MORE THAN 9 CREDITS OF MUSIC 490 MAY BE
APPLIED TOWARD GRADUATION
INSTRUCTOR PERMISSION REQUIRED 1ST WEEK, PROCESS
APPROVED ADD SLIP IN 10 ALUMNI HALL
*******  SEE DEPT FOR REFERENCE NUMBERS

MUSIC

IND STD COMPOSITION  MUSIC 490C VAR. CR.
PREREQ: INSTRUCTOR PERMISSION, 12 CREDITS IN
MUSIC, APPROVAL OF DEPARTMENT CHAIR
NO MORE THAN 9 CREDITS OF MUSIC 490 MAY BE
APPLIED TOWARD GRADUATION
INSTRUCTOR PERMISSION REQUIRED 1ST WEEK, PROCESS
APPROVED ADD SLIP IN 10 ALUMNI HALL
*******  SEE DEPT FOR REFERENCE NUMBERS

INDEP STUDY HISTORY  MUSIC 490D VAR. CR.
PREREQ: INSTRUCTOR PERMISSION, 12 CREDITS IN
MUSIC, APPROVAL OF DEPARTMENT CHAIR
NO MORE THAN 9 CREDITS OF MUSIC 490 MAY BE
APPLIED TOWARD GRADUATION
INSTRUCTOR PERMISSION REQUIRED 1ST WEEK, PROCESS
APPROVED ADD SLIP IN 10 ALUMNI HALL
*******  SEE DEPT FOR REFERENCE NUMBERS

INDEP STUDY APPL MUSIC  MUSIC 490F VAR. CR.
PREREQ: INSTRUCTOR PERMISSION, 12 CREDITS IN
MUSIC, APPROVAL OF DEPARTMENT CHAIR
NO MORE THAN 9 CREDITS OF MUSIC 490 MAY BE
APPLIED TOWARD GRADUATION
INSTRUCTOR PERMISSION REQUIRED 1ST WEEK, PROCESS
APPROVED ADD SLIP IN 10 ALUMNI HALL
*******  SEE DEPT FOR REFERENCE NUMBERS

INDEP STUDY APPL MUSIC  MUSIC 490G VAR. CR.
PREREQ: PERMISSION OF INSTRUCTOR
NO MORE THAN 9 CREDITS OF MUSIC 490 MAY BE
APPLIED TOWARD GRADUATION
3645074  MG ARRANGED  GOLEMO M
3645078  MS ARRANGED  SMITH M

INDEP STUDY HONORS  MUSIC 490H VAR. CR.
PREREQ: INSTRUCTOR PERMISSION, HONORS PROG MEMBER
NO MORE THAN 9 CREDITS OF MUSIC 490 MAY BE
APPLIED TOWARD GRADUATION
INSTRUCTOR PERMISSION REQUIRED 1ST WEEK, PROCESS
APPROVED ADD SLIP IN 10 ALUMNI HALL
*******  SEE DEPT FOR REFERENCE NUMBERS

SPEC TOPICS THEORY  MUSIC 590B VAR. CR.
PREREQ: INSTRUCTOR PERMISSION; DEPT CHAIR APPROVAL
INSTRUCTOR PERMISSION REQUIRED 1ST WEEK, PROCESS
APPROVED ADD SLIP IN 10 ALUMNI HALL
*******  SEE DEPT FOR REFERENCE NUMBERS

SPEC TOPCS COMPOSIT  MUSIC 590C VAR. CR.
PREREQ: INSTRUCTOR PERMISSION; DEPT CHAIR APPROVAL
INSTRUCTOR PERMISSION REQUIRED 1ST WEEK, PROCESS
APPROVED ADD SLIP IN 10 ALUMNI HALL
*******  SEE DEPT FOR REFERENCE NUMBERS
MUSIC

SPECIAL TOPICS LIT MUSIC 590E VAR. CR.
PREREQ: INSTRUCTOR PERMISSION; DEPT CHAIR APPROVAL
INSTRUCTOR PERMISSION REQUIRED 1ST WEEK, PROCESS
APPROVED ADD SLIP IN 10 ALUMNI HALL
******* SEE DEPT FOR REFERENCE NUMBERS

SPL TOPC APPL MUSIC MUSIC 590F VAR. CR.
PREREQ: INSTRUCTOR PERMISSION; DEPT CHAIR APPROVAL
INSTRUCTOR PERMISSION REQUIRED 1ST WEEK, PROCESS
APPROVED ADD SLIP IN 10 ALUMNI HALL
******* SEE DEPT FOR REFERENCE NUMBERS

NATURAL RESOURCE ECOLOGY AND MGMT

INTR RENEW RESOURCES NREM 120 3 CR.
1297005 MWF 12:10-1:00

INTERNSHIP NREM 303 1-3 CR.
PREREQ: PERMISSION OF INSTRUCTOR, SOPH STANDING
A TOTAL OF 6 CREDITS OF NREM 303 MAY BE APPLIED
TOWARD GRADUATION
1060005 ARRANGED
DEPARTMENT PERMISSION REQUIRED, PROCESS
APPROVED ADD SLIP IN 10 ALUMNI HALL

SEMINAR NREM 305 1 CR.
PREREQ: PERMISSION OF INSTRUCTOR
1058005 1 ARRANGED

RSRC MGT SMALL PROP NREM 310 2 CR.
1422005 A MWF 9:00-9:50
SECT A: JAN 10-APRIL 1

WATERSHED MANAGEMENT NREM 407 4 CR.
PREREQ: A COURSE IN GENERAL BIOLOGY
FIELD TRIPS & TRAVEL FEE $25.00
AVAILABLE FOR NONMAJOR GRADUATE CREDIT.
3727005 A TR 9:30-10:50
T 3:10-6:00 PM

GIS&GPS NAT RESOURC NREM 446 3 CR.
PREREQ: 12 CR IN STUDNT MAJ AT 300 LEVEL OR ABOVE
3032005 1 TR 8:00-8:50
T 12:10-3:00
3032010 2 TR 8:00-8:50
R 12:10-3:00
3032015 3 TR 8:00-8:50
W 10:00-1:00

CONTROVRS RSRC MGT NREM 460 3 CR.
PREREQ: 120, A ECL 312 OR FOR 301, JR CLASSIF
AVAILABLE FOR NONMAJOR GRADUATE CREDIT.
7598005 1 WF 3:10-4:30

IND STDY ANIMAL ECO NREM 490A 1-4 CR.
PREREQ: JR OR SR CLASSIFICATN, INSTRUCTOR PERMISN
A MAXIMUM OF 6 CREDITS OF A ECL 490/NREM 490
MAY BE APPLIED TOWARD DEGREE REQUIREMENTS
******* SEE DEPT FOR REFERENCE NUMBERS

INTEGRATING GIS&GPS NREM 546 3 CR.
PREREQ: 12 CR IN STUDNT MAJ AT 300 LEVEL OR ABOVE
3821005 1 TR 8:00-8:50
T 12:10-3:00
3821010 2 TR 8:00-8:50
R 12:10-3:00
3821015 3 TR 8:00-8:50
W 10:00-1:00

NATURAL RESOURCE ECOLOGY AND MGMT

INDEP STDY FORESTRY NREM 490B 1-4 CR.
PREREQ: JR OR SR CLASSIFICATN, INSTRUCTOR PERMISN
A MAXIMUM OF 6 CREDITS OF FORESTRY 490/NREM 490
MAY BE APPLIED TOWARD THE TOTAL OF 128 CREDITS
REQUIRED FOR GRADUATION
******* SEE DEPT FOR REFERENCE NUMBERS

INDEP STUDY HONORS NREM 490H 1-4 CR.
PREREQ: JR OR SR CLASSIFICATN, INSTRUCTOR PERMISN
MEMBERSHIP IN UNIVERSITY HONORS PROGRAM
A MAXIMUM OF 6 CREDITS OF A ECL/FOR/NREM 490
MAY BE APPLIED TOWARD DEGREE REQUIREMENTS
******* SEE DEPT FOR REFERENCE NUMBERS

COOPERATIVE EDUC NREM 498 1-3 CR.
PREREQ: PERMISSION OF DEPARTMENT CHAIR
INSTRUCTOR PERMISSION REQUIRED 1ST WEEK, PROCESS
APPROVED ADD SLIP IN 10 ALUMNI HALL
7593005 ARRANGED

SEMINAR NREM 505 1 CR.
PREREQ: INSTR PERMISSION OR GRAD CLASSIFICATION
1083005 1 ARRANGED

PRESNTNG SCI RESULT NREM 510 2 CR.
PREREQ: PERMISSION OF INSTRUCTOR
1423005 A F 1:10-3:00

INTRO DNA TECHNIQS NREM 542A 1 CR.
SATISFACTORY-FAIL ONLY.
PREREQ: GRADUATE CLASSIFICATION
3744005 TR 1:10-2:00
3821005 TR 2:10-4:00
JAN 11-FEB 10

INTRO CELL TECHNIQS NREM 542C 1 CR.
SATISFACTORY-FAIL ONLY.
PREREQ: GRADUATE CLASSIFICATION
3777005 TR 1:10-2:00
3806005 TR 2:10-4:00
MARCH 29-APRIL 28

INTEGRATING GIS&GPS NREM 546 3 CR.
PREREQ: 12 CR IN STUDNT MAJ AT 300 LEVEL OR ABOVE
3821005 1 TR 8:00-8:50
T 12:10-3:00
3821010 2 TR 8:00-8:50
R 12:10-3:00
3821015 3 TR 8:00-8:50
W 10:00-1:00
**Perceiving Arts**

**Issues Perceiving Arts**  PERF 105  R CR.
Satisfactory-Fail Only.
3673005  R 4:10-5:30

**Perform Arts Intern**  PERF 310  R CR.
Satisfactory-Fail Only.
3677005  Arranged

**Pest Management**

**Pesticide Appl Cert**  PM  283  2 CR.
5250005  MW 2:10-3:00

**Prin of Weed Scienc**  PM  317  3 CR.
Prereq: Biol 109 or 110; A Course in Chemistry
Materials Fee $7.00
5816010  MWF 3:10-4:00  Gibson L
5816015  MW 10:00-11:50  Gibson L
5816015  T 12:10-2:00

**Fnd Entomo&Pest Mgt**  PM  376  3 CR.
Prereq: Biol 109 or 201
Available for Nonmajor Graduate Credit.
5818005  MW 11:00-11:50
5818010  MW 11:00-11:50
5818015  MW 3:10-6:00 PM

**Prin of Plant Path**  PM  407  3 CR.
Prereq: 8 Credit in Biol Sciences
Available for Nonmajor Graduate Credit.
5819005  MW 11:00-11:50
5819010  MW 11:00-11:50
5819015  W 3:10-6:00 PM

**Forest Pest Mgt**  PM  416  4 CR.
Prereq: 8 CR in Biol Sciences, Including Biol 202
Field Trips & Travel Fee $10.00
Available for Nonmajor Graduate Credit.
5820005  MW 11:00-12:20
5820015  T 12:10-3:00

**Independent Study**  PM  490  1-3 CR.
Prereq: Junior or Senior Classification, 3 CR
In P M, Permission of Instructor, & Written Plan
of Study Approved by P M Curriculum Chair
A Maximum of 6 Credits of 490 May Be Applied
Toward Graduation
Instructor Permission Required 1st Week, Process
Approved Add Slip in 10 Alumni Hall
5821005  Arranged

**Pest Mgt Experience**  PM  491  2 CR.
Prereq: 6 CR in P M, Permission of Instructor
Instructor Permission Required 1st Week, Process
Approved Add Slip in 10 Alumni Hall
5822005  Arranged

**Naval Science**

**Naval Ship Sysyms I N S  210  3 CR.**
Course Restricted to Soph and Senior Class Midshipmen.
5552005  A TR 9:30-10:50
T 3:10-5:00

**Navig&Naval Oper II N S  312  3 CR.**
5556005  A TR 8:00-9:20
T 3:10-5:00

**Leadership & Mgt II N S  412  3 CR.**
Prereq: Senior Classification
Course Restricted to Senior Midshipmen
5560005  A MWF 8:00-8:50
T 3:10-5:00

**Independent Study N S  490  1-3 CR.**
Prereq: Senior Classification and Prior Approval
Of N S Department Chair, 6 Credits in Naval Science
No More Than 9 Credits of N S 490 May Be Applied
Toward Graduation
Department Permission Required, Process
Approved Add Slip in 10 Alumni Hall
******  See Dept for Reference Numbers

**Neuroscience**

**Adv Neurosci Technq Neuro  557  2 CR.**
Prereq: 556
Instructor Permission Required 1st Week, Process
Approved Add Slip in 10 Alumni Hall
8552005  Arranged

**Neurosci Journl Clb Neuro  690  1 CR.**
Prereq: 556
8554005  Arranged

**Neuroscience Seminr Neuro  696  1 CR.**
Prereq: 556
8555005  Arranged

**Research Neuro  699  Var. CR.**
Instructor Permission Required 1st Week, Process
Approved Add Slip in 10 Alumni Hall
******  See Dept for Reference Numbers

**Natural Resource Ecology and Mgmt**

**Spl Topics Animl Eco Nrem  590A  1-4 CR.**
Prereq: Permission of Instructor
******  See Dept for Reference Numbers

**Spl Topics Forestry Nrem  590B  1-4 CR.**
Prereq: Permission of Instructor
******  See Dept for Reference Numbers

**Creative Component Nrem  599  Var. CR.**
******  See Dept for Reference Numbers

**Research Nrem  699  1-9 CR.**
******  See Dept for Reference Numbers
PHILOSOPHY

INTRO TO PHILOSOPHY PHIL 201 3 CR.
5824005 A MWF 12:10-1:00 HOLLINGER R
5824010 B MWF 2:10-3:00 HOLLINGER R
5824015 C TR 9:30-10:50 KNIGHT G
5824020 D TR 12:40-2:00 KNIGHT G
SECTION D SCIENCE EMPHASIS. RESTRICTED TO FRESHMEN AND SOPHOMORES.
5824025 E TR 11:00-12:20 WUNDERLICH M

INTR LOGIC&SCI REAS PHIL 206 3 CR.
5825005 A MWF 12:10-1:00 DE LAPLANTE K
5825010 B MWF 2:10-3:00 DE LAPLANTE K

INTR SYMBOLIC LOGIC PHIL 207 3 CR.
INSTRUCTOR PERMISSION REQUIRED 1ST WEEK, PROCESS APPROVED ADD SLIP IN 10 ALUMNI HALL
5826005 MF 3:10-4:00

MORAL THEOR&PRCTICE PHIL 230 3 CR.
5827005 A TR 11:00-12:20 KUPFER J
SECTION A RESTRICTED TO FRESHMAN ONLY
5827010 B MWF 10:00-10:50 HOLMGREN M
5827020 C MF 3:10-4:00 HOLMGREN M
5827025 D TR 3:40-5:00 BELKNAP B
5827030 F TR 12:40-2:00 BELKNAP B
5827035 G TR 9:30-10:50 BUTLER T
5827040 J MF 11:00-11:50
5827045 K TR 2:10-3:30

18TH CEN PHILOSOPHY PHIL 315 3 CR.
PREQ: 201
AVAILABLE FOR NONMAJOR GRADUATE CREDIT.
INSTRUCTOR PERMISSION REQUIRED 1ST WEEK, PROCESS APPROVED ADD SLIP IN 10 ALUMNI HALL
9626005 TR 11:00-12:20 KNIGHT G

20TH C ANGO-AM PHI PHIL 318 3 CR.
PREQ: 201
AVAILABLE FOR NONMAJOR GRADUATE CREDIT.
INSTRUCTOR PERMISSION REQUIRED 1ST WEEK, PROCESS APPROVED ADD SLIP IN 10 ALUMNI HALL
1825005 MF 1:10-2:00 HIEBER D

MORAL PROB MEDICINE PHIL 331 3 CR.
PREQ: 230 OR JUNIOR CLASSIFICATION
AVAILABLE FOR NONMAJOR GRADUATE CREDIT.
INSTRUCTOR PERMISSION REQUIRED 1ST WEEK, PROCESS APPROVED ADD SLIP IN 10 ALUMNI HALL
5815005 MF 11:00-11:50 HOLMGREN M

PHILOSOPHY OF LAW PHIL 332 3 CR.
PREQ: 201 OR 230
AVAILABLE FOR NONMAJOR GRADUATE CREDIT.
INSTRUCTOR PERMISSION REQUIRED 1ST WEEK, PROCESS APPROVED ADD SLIP IN 10 ALUMNI HALL
5836005 TR 2:10-3:30 KUPFER J

BIOETHICS&BIOTECHNL PHIL 336 3 CR.
PREQ: 201 OR 230 OR 235
AVAILABLE FOR NONMAJOR GRADUATE CREDIT.
3142005 MF 11:00-11:50 WOLF C

PHILOSOPHY OF BIOTHEC PHIL 338 3 CR.
PREQ: 3 CR IN PHIL RECOMMENDED
MEETS U.S. DIVERSITY REQMT.
AVAILABLE FOR NONMAJOR GRADUATE CREDIT.
4682005 TR 12:40-2:00 FEHR C

PHIL OF TECHNOLOGY PHIL 343 3 CR.
PREQ: 6 CREDITS OF SOCIAL SCIENCE, OR T SC 341 AND 3 CREDITS OF SOCIAL SCIENCE
AVAILABLE FOR NONMAJOR GRADUATE CREDIT.
7343005 A TR 9:30-10:50 BELKNAP B
7343010 B MF 9:00-9:50

METAPHYSICS: MINDS&M PHIL 364 3 CR.
PREQ: 3 CREDITS IN PHILOSOPHY
AVAILABLE FOR NONMAJOR GRADUATE CREDIT.
8110005 MF 12:10-1:00 GEIRSSON H

VALUE THEORY PHIL 430 3 CR.
PREQ: 230
AVAILABLE FOR NONMAJOR GRADUATE CREDIT.
5842005 T 6:00-8:30PM BUTLER T

EPISTEMOL&METAPHYS PHIL 460 3 CR.
PREQ: 201 AND AT LEAST ONE CRSE IN HIST OF PHI
AVAILABLE FOR NONMAJOR GRADUATE CREDIT.
INSTRUCTOR PERMISSION REQUIRED 1ST WEEK, PROCESS APPROVED ADD SLIP IN 10 ALUMNI HALL
5840005 R 6:00-8:30PM WUNDERLICH M

PHILOSOPHY OF BIOLOGY PHIL 483 3 CR.
PREQ: 3 CREDITS IN PHILOSOPHY OR BIOLOGY
AVAILABLE FOR NONMAJOR GRADUATE CREDIT.
3054005 R 4:10-6:40PM FEHR C

PHILOSOPHY OF PHYSICS PHIL 485 3 CR.
PREQ: 3 CREDITS IN PHILOSOPHY OR PHYSICS
AVAILABLE FOR NONMAJOR GRADUATE CREDIT.
8048005 W 7:00-9:30PM DE LAPLANTE K

INDEPENDENT STUDY PHIL 490 1-4 CR.
PREQ: 6 CREDITS IN PHIL, PERMISSION OF INSTR, APPROVAL OF CHAIR
NO MORE THAN 9 CREDITS OF PHIL 490 MAY BE APPLIED TOWARD GRADUATION
******* SEE DEPT FOR REFERENCE NUMBERS

INDEP STUDY HONORS PHIL 490H 1-4 CR.
PREQ: 6 CREDITS IN PHIL, PERMISSION OF INSTR, APPROVAL OF CHAIR, MEMBERSHIP IN UNIV HONORS PROGRAM
NO MORE THAN 9 CREDITS OF PHIL 490 MAY BE APPLIED TOWARD GRADUATION
******* SEE DEPT FOR REFERENCE NUMBERS
### PHILOSOPHY

**CONTEMP POLITC PHIL**  PHIL 535  3 CR.
**PREREQ:** 6 CREDITS OF PHIL OR POLITICAL SCIENCE
5857005  W 3:10-5:30

**SPCL TOPICS HISTORY**  PHIL 590A  2- 4 CR.
**PREREQ:** INSTRUCTOR PERMISSION, 9 CR IN PHIL
5850005  ARRANGED

**SPL TOP EPIS&METAPH**  PHIL 590B  2- 4 CR.
**PREREQ:** INSTRUCTOR PERMISSION, 9 CR IN PHIL
5851005  ARRANGED

**SPL TOP VALUE THRY**  PHIL 590C  2- 4 CR.
**PREREQ:** INSTRUCTOR PERMISSION, 9 CR IN PHIL
5852005  ARRANGED

**SPL TOP LOGIC&P SCI**  PHIL 590D  2- 4 CR.
**PREREQ:** INSTRUCTOR PERMISSION, 9 CR IN PHIL
5853005  ARRANGED

### PHYSICS

**PHYS FOR NON-SCIENT**  PHYS 101  3 CR.
5855005  MWF 11:00-11:50

**PHYSCS COMMON EXPER**  PHYS 106  4 CR.
**2-PART COURSE. REGISTER FOR NUMBERED SECTION FIRST AND THEN LETTERED SECTION. STUDENTS WHO DON'T REGISTER FOR BOTH PARTS OF THE COURSE WILL BE DROPPED FROM THE COURSE DUE TO INCOMPLETE REGISTRATION.**
**EQUIPMENT USE FEE $5.00**
5856005  1 TR 8:00-8:50
5856010  2 TR 8:00-8:50
5856015  3 TR 8:00-8:50
5856020  4 TR 8:00-8:50
5856025  5 TR 8:00-8:50
5856026  6 TR 8:00-8:50
5856030  A R 12:10-2:00
5856035  B R 2:10-4:00
5856040  C R 4:10-6:00PM
5856045  D F 8:00-9:50
5856050  E F 10:00-11:50
5856055  F F 12:10-2:00
5856060  G F 2:10-4:00

**GENERAL PHYSICS**  PHYS 111  4 CR.
**NIGHT EXAMINATIONS SCHEDULED.**
**PREREQ:** 1 AND 1/2 YRS OF HS ALGEBRA, 1 YR OF GEOMETRY, 1 SEMESTER OF TRIGONOMETRY
**2-PART COURSE. REGISTER FOR NUMBERED SECTION FIRST AND THEN LETTERED SECTION. STUDENTS WHO DON'T REGISTER FOR BOTH PARTS OF THE COURSE WILL BE DROPPED FROM THE COURSE DUE TO INCOMPLETE REGISTRATION.**
**MATERIALS FEE $15.75**
5857005  1 TR 9:00-9:50
5857010  2 TR 9:00-9:50
5857015  3 TR 9:00-9:50
5857020  4 TR 9:00-9:50
5857025  5 TR 9:00-9:50
5857030  6 TR 9:00-9:50
5857035  7 TR 9:00-9:50
5857040  8 TR 9:00-9:50
5857045  9 TR 9:00-9:50
5857050  10 TR 10:00-10:50
5857055  11 TR 10:00-10:50
5857060  12 TR 10:00-10:50
5857065  13 TR 10:00-10:50
5857070  14 TR 10:00-10:50
5857075  15 TR 10:00-10:50
5857080  16 TR 10:00-10:50
5857085  17 TR 10:00-10:50
5857090  A M 8:00-9:50
5857095  B M 10:00-11:50
5857100  C M 12:10-2:00
5857105  D M 2:10-4:00
5857110  E M 4:10-6:00PM
5857115  F T 8:00-9:50
5857120  G T 10:00-11:50
5857125  H T 12:10-2:00
5857130  I T 2:10-4:00
5857135  J T 4:10-6:00PM
5857140  K T 4:10-6:00PM
5857145  L W 10:00-11:50
5857150  M W 12:10-2:00
5857155  N W 2:10-4:00
5857160  O W 4:10-6:00PM
5857165  P W 4:10-6:00PM
5857170  Q R 8:00-9:50
5857175  R R 10:00-11:50
5857180  S R 12:10-2:00
5857185  T R 2:10-4:00
5857190  U R 4:10-6:00PM

**GENERAL PHYSICS**  PHYS 112  4 CR.
**PREREQ:** 111
**2-PART COURSE. REGISTER FOR NUMBERED SECTION FIRST AND THEN LETTERED SECTION. STUDENTS WHO DON'T REGISTER FOR BOTH PARTS OF THE COURSE WILL BE DROPPED FROM THE COURSE DUE TO INCOMPLETE REGISTRATION.**
**MATERIALS FEE $15.75**
5858005  1 MWF 12:10-1:00
5858010  2 MWF 12:10-1:00
5858015  3 MWF 12:10-1:00
5858020  4 MWF 12:10-1:00
5858025  5 MWF 12:10-1:00
5858030  6 MWF 12:10-1:00
5858035  7 MWF 12:10-1:00
## PHYSICS

### GENERAL PHYSICS

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### INTR CLASSCL PHYS I

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## PREREQ:
- CREDIT OR ENROLLMENT IN MATH 166.
- IF ENROLLED IN 221 FOR CURRENT TERM, MAY NOT REGISTER FOR 221 FOR FUTURE TERM UNTIL CURRENT TERM IS ENDED OR FUTURE TERM REGISTRATION IN 221 WILL BE DROPPED.

**DROPPED**
- FROM THE COURSE DUE TO INCOMPLETE REGISTRATION.
- MATERIALS AND EQUIPMENT USE FEE $20.75

### INTR CLASSCL PHYS I

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- DEPARTMENT PERMISSION REQUIRED, PROCESS APPROVED ADD SLIP IN 10 ALUMNI HALL
PHYSICS

HONORS-CLASSIC PHYS I PHYS 221H 5 CR.
NIGHT EXAMINATIONS SCHEDULED.
PREREQ: CR OR ENROLLMENT IN MATH 166, MEMBERSHIP IN UNIVERSITY HONORS PROGRAM
2-PART COURSE. REGISTER FOR NUMBERED SECTION
FIRST AND THEN LETTERED SECTION. STUDENTS WHO DON'T REGISTER FOR BOTH PARTS OF THE COURSE WILL BE DROPPED FROM THE COURSE DUE TO INCOMPLETE REGISTRATION.
MATERIALS AND EQUIPMENT USE FEE $20.75
5862005  1 MWF 8:00-8:50
          TR 9:00-9:50
5862010  2 MWF 9:00-9:50
          TR 11:00-11:50
5862015  3 MWF 10:00-10:50
          TR 1:10-2:00
5862050  A T  8:00-9:50
5862055  B W 10:00-11:50
5862060  C T 10:00-10:50

INTR CLASSC PHYS II PHYS 222 5 CR.
NIGHT EXAMINATIONS SCHEDULED.
PREREQ: 221, MATH 166
2-PART COURSE. REGISTER FOR NUMBERED SECTION
FIRST AND THEN LETTERED SECTION. STUDENTS WHO DON'T REGISTER FOR BOTH PARTS OF THE COURSE WILL BE DROPPED FROM THE COURSE.
MATERIALS FEE $15.75
5863005  1 MWF 1:10-2:00
          T  8:00-8:50
5863010  2 MWF 1:10-2:00
          T  9:00-9:50
5863015  3 MWF 1:10-2:00
          T 10:00-10:50
5863020  4 MWF 1:10-2:00
          T 11:00-11:50
5863025  5 MWF 1:10-2:00
          T 12:10-1:00
5863030  6 MWF 1:10-2:00
          T 1:10-2:00
5863035  7 MWF 1:10-2:00
          T 2:10-3:00
5863036  8 MWF 1:10-2:00
          T 2:10-3:00
5863037  9 MWF 1:10-2:00
          T 2:10-3:00
5863040  10 MWF 1:10-2:00
          T 3:10-4:00
5863045  11 MWF 2:10-3:00
          T  8:00-8:50
5863050  12 MWF 2:10-3:00
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5863055  13 MWF 2:10-3:00
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5863060  14 MWF 2:10-3:00
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          T 12:10-1:00
5863090  16 MWF 2:10-3:00
          T  1:10-2:00
5863095  17 MWF 2:10-3:00
          T  4:10-5:00
5863100  18 MWF 2:10-3:00
          T  3:10-4:00
SECTION 18 RESTRICTED TO PHYSICS MAJORS

INTR CLASSC PHYS II PHYS 222H 5 CR.
NIGHT EXAMINATIONS SCHEDULED.
PREREQ: 221, MATH 166, MEMBERSHIP IN UNIVERSITY HONORS PROGRAM
2-PART COURSE. REGISTER FOR NUMBERED SECTION
FIRST AND THEN LETTERED SECTION. STUDENTS WHO DON'T REGISTER FOR BOTH PARTS OF THE COURSE WILL BE DROPPED FROM THE COURSE DUE TO INCOMPLETE REGISTRATION.
MATERIALS FEE $215.75
5863105  19 MWF 2:10-3:00
          T  4:10-5:00
5863115  21 MWF 3:10-4:00
          T  8:00-8:50
5863120  22 MWF 3:10-4:00
          T  9:00-9:50
5863125  23 MWF 3:10-4:00
          T 10:00-10:50
5863130  24 MWF 3:10-4:00
          T 11:00-11:50
5863135  25 MWF 3:10-4:00
          T 12:10-1:00
5863140  26 MWF 3:10-4:00
          T 1:10-2:00
5863145  27 MWF 3:10-4:00
          T 2:10-3:00
5863150  28 MWF 3:10-4:00
          T 3:10-4:00
5863155  29 MWF 3:10-4:00
          T 4:10-5:00
5863160  30 A R  8:00-9:50
5863165  31 B W  2:10-4:00
5863170  32 C R  10:00-11:50
5863175  33 D T 10:00-11:50
5863180  34 E R 12:10-2:00
5863185  35 F R 12:10-2:00
5863190  36 G F 10:00-11:50
5863195  37 J T  2:10-4:00
5863200  38 K W  2:10-4:00
5863205  39 L T  8:00-9:50PM
5863210  40 M F  2:10-4:00
5863215  41 N R  8:00-9:50
5863220  42 P W 10:00-11:50
5863225  43 Q R 10:00-11:50
5863230  44 R F 12:10-2:00
5863235  45 S F 12:10-2:00
5863240  46 T M  4:10-6:00PM
5863245  47 U W  4:10-6:00PM
5863250  48 V R  2:10-4:00
      SECTION V RESTRICTED TO PHYSICS MAJORS ONLY
5863255  49 W R 8:00-9:50
5863260  50 X T 12:10-2:00
5863265  51 Y F  2:10-4:00
5863270  52 Z W 12:10-2:00
5863275  53 A A R 2:10-4:00
5863280  54 B B F 10:00-11:50
5863285  55 C C F 12:10-2:00
5863290  56 D D W 4:10-6:00PM
5863295  57 E E W  2:10-4:00
5863300  58 F F R 12:10-2:00
5863305  59 G G R 12:10-2:00
5863310  60 H H W  2:10-4:00
5863315  61 I I W  2:10-4:00
5863320  62 J J W  2:10-4:00
5863325  63 K K W  2:10-4:00
5863330  64 L L W  2:10-4:00
5863335  65 M M W  2:10-4:00
5863340  66 N N W  2:10-4:00
5863345  67 O O W  2:10-4:00
      LW ARRANGED
      DEPARTMENT PERMISSION REQUIRED, PROCESS APPROVED ADD SLIP IN 10 ALUMNI HALL

HONORS-CLASS PHY II PHYS 222H 5 CR.
NIGHT EXAMINATIONS SCHEDULED.
PREREQ: 221, MATH 166, MEMBERSHIP IN UNIVERSITY HONORS PROGRAM
2-PART COURSE. REGISTER FOR NUMBERED SECTION
FIRST AND THEN LETTERED SECTION. STUDENTS WHO DON’T REGISTER FOR BOTH PARTS OF THE COURSE WILL BE DROPPED FROM THE COURSE DUE TO INCOMPLETE REGISTRATION.
MATERIALS FEE $15.75
5864005  1 MWF 2:10-3:00
          T  4:10-5:00
5864050  5 A R 2:10-4:00
ONLY
PHYSICS

COMPUTL SKILLS PHYS PHYS 232 1 CR.
PREREQ: 222
5865005 F 2:10-5:00

INDEPENDENT STUDY PHYS 290 1-4 CR.
PREREQ: PERMISSION OF INSTRUCTOR
******* SEE DEPT FOR REFERENCE NUMBERS

CHALNG CONTEMP PHYS PHYS 302 3 CR.
PREREQ: SOPHOMORE CLASSIFICATION
5869005 MWF 12:10-1:00

PHYS OF WAVE MOTION PHYS 306 3 CR.
PREREQ: 222, CREDIT OR ENROLLMENT IN MATH 267
5871005 MWF 12:10-1:00

INTERMEDIATE LAB PHYS 311 1-2 CR.
PREREQ: 322 OR 324
AVAILABLE FOR NONMAJOR GRADUATE CREDIT.
5872005 1 MW 3:10-6:00PM
5872010 2 TR 3:10-6:00PM

INTERMEDIATE LAB PHYS 311T 3 CR.
PREREQ: 112 OR 222
5873005 ARRANGED

INTR MODERN PHYSICS I PHYS 321 3 CR.
PREREQ: 222, CREDIT OR ENROLLMENT IN MATH 266
5874005 TR 9:30-10:50

INTR MOD PHYS LAB I PHYS 321L 1 CR.
PREREQ: CR OR ENROLLMENT IN 321 AND CR OR
ENROLLMENT IN 232 OR EQUIVALENT EXPERIENCE
5875005 1 T 2:10-4:00
5875010 2 T 4:10-6:00PM
5875015 3 W 2:10-4:00
5875020 4 R 3:10-5:00

INTERMED MECHANICS PHYS 362 3 CR.
PREREQ: 361
AVAILABLE FOR NONMAJOR GRADUATE CREDIT.
5881005 TR 12:40-2:00

ELECT & MAGNETISM I PHYS 364 3 CR.
PREREQ: 222, MATH 385 OR 395
AVAILABLE FOR NONMAJOR GRADUATE CREDIT.
5882005 MWF 10:00-10:50

SEMINAR PHYS 389 R CR.
Satisfactory-Fail only.
3647005 ARRANGED

SEM SEC SCHOOL PHYS PHYS 399 1-2 CR.
PREREQ: PERMISSION OF INSTRUCTOR
5886005 ARRANGED

UNDERGRAD RESEARCH PHYS 450 1-6 CR.
PREREQ: PERMISSION OF INSTRUCTOR
******* SEE DEPT FOR REFERENCE NUMBERS

PHYSICS

UNDERGRAD RESEARCH PHYS 450L 1-6 CR.
PREREQ: 311, PERMISSION OF INSTRUCTOR
******* SEE DEPT FOR REFERENCE NUMBERS

APPLIED PHYSICS LAB PHYS 470L 2-5 CR.
PREREQ: 322 OR 324 AND PERMISSION OF INSTRUCTOR
3161005 ARRANGED

QUANTUM MECHANICS II PHYS 481 3 CR.
PREREQ: 480
AVAILABLE FOR NONMAJOR GRADUATE CREDIT.
5891005 MWF 11:00-11:50

TUTORIAL SEMINAR PHYS 489 1 CR.
Satisfactory-Fail only.
PREREQ: PERMISSION OF INSTRUCTOR
******* SEE DEPT FOR REFERENCE NUMBERS

INDEPENDENT STUDY PHYS 490 1-4 CR.
PREREQ: 6 CREDITS IN PHYS, PERMISSN OF INSTRUCTOR
NO MORE THAN 9 CREDITS OF PHYS 490 MAY BE
APPLIED TOWARD GRADUATION
******* SEE DEPT FOR REFERENCE NUMBERS

INDEP STUDY HONORS PHYS 490H 1-4 CR.
PREREQ: 6 CREDITS IN PHYS, PERMISSN OF INSTRUCTOR
MEMBERSHIP IN UNIVERSITY HONORS PROGRAM
NO MORE THAN 9 CREDITS OF PHYS 490 MAY BE
APPLIED TOWARD GRADUATION
******* SEE DEPT FOR REFERENCE NUMBERS

MODERN OPTICS PHYS 496 3 CR.
PREREQ: CREDIT OR ENROLLMENT IN 321 AND 365
AVAILABLE FOR NONMAJOR GRADUATE CREDIT.
5884005 MWF 3:10-4:00

CONDENSED MATTER I PHYS 511 3 CR.
PREREQ: 304, 322
5896005 TR 9:30-10:50

NUCLEAR PHYSICS PHYS 524 3 CR.
PREREQ: 480
5900005 TR 11:00-12:30

PHYS SEMICOND DEVIC PHYS 536 3 CR.
PREREQ: E E 535
5904005 MWF 4:10-5:30

HIGH ENERGY PHYSICS PHYS 537 3 CR.
PREREQ: 480
5905005 MWF 10:00-10:50

COMPUTATIONAL PHYS PHYS 551 2 CR.
Satisfactory-Fail only.
PREREQ: 365, 480
7651005 R 2:10-4:00, ARRANGED

ADV ELECT&MAGNET II PHYS 572 3 CR.
PREREQ: 571
5909005 MWF 12:10-1:00
PHYSICS

SPCL TOPICS NUCLEAR PHYS 590A VAR. CR.
PREREQ: PERMISSION OF INSTRUCTOR 5910005 ARRANGED

SPL TOP COND MATTER PHYS 590B VAR. CR.
PREREQ: PERMISSION OF INSTRUCTOR 5911005 ARRANGED

SPL TOP HIGH ENERGY PHYS 590C VAR. CR.
PREREQ: PERMISSION OF INSTRUCTOR 5912005 ARRANGED

SPL TOPICS PHYSICS PHYS 590D VAR. CR.
PREREQ: PERMISSION OF INSTRUCTOR 5913005 ARRANGED

SPL TOPCS APPL PHYS PHYS 590E VAR. CR.
PREREQ: PERMISSION OF INSTRUCTOR 5914005 ARRANGED

QUANTUM PHYSICS II PHYS 592 4 CR.
PREREQ: 591 5916005 MF 8:00-9:30 W 9:00-9:50

CREATIVE COMPONENT PHYS 599 VAR. CR.
PREREQ: PERMISSION OF INSTRUCTOR ******* SEE DEPT FOR REFERENCE NUMBERS

QUANT THRY C MATTER PHYS 611 3 CR.
PREREQ: 512, 681 5918005 TR 11:00-12:30

ELEM PARTICLE PH II PHYS 638 3 CR.
PREREQ: 637 5922005 ARRANGED

ADV SEMINAR NUCLEAR PHYS 650A 1 CR.
Satisfactory-Fail only. 5923005 W 4:10-5:00

ADV SEM COND MATTER PHYS 650B 1 CR.
Satisfactory-Fail only. 5924005 R 4:10-5:00

ADV SEM HIGH ENERGY PHYS 650C 1 CR.
Satisfactory-Fail only. 5925005 W 4:10-5:00

ADV SEMINAR PHYSICS PHYS 650D 1 CR.
Satisfactory-Fail only. 5926005 ARRANGED

ADV SEMINAR APPLIED PHYS 650E 1 CR.
Satisfactory-Fail only. 5927005 ARRANGED

ADV TOPICS NUCLEAR PHYS 660A 1-3 CR.
5928005 ARRANGED

ADV TOP SEMINAR NUCLEAR PHYS 660B 1-3 CR.
5929005 ARRANGED

ADV TOP HIGH ENERGY PHYS 660C 1-3 CR.
5930005 ARRANGED

ADV TOPICS PHYSICS PHYS 660D 1-3 CR.
5931005 ARRANGED

ADV TOPICS APPLIED PHYS 660E 1-3 CR.
5932005 ARRANGED

QUANTUM FLD THRY II PHYS 682 3 CR.
PREREQ: 681 5936005

RESEARCH PHYS 699 VAR. CR.
******* SEE DEPT FOR REFERENCE NUMBERS

PLANT HEALTH AND PROTECTION

PLANT HEALTH BIOLOGY PL HP 206 3 CR.
PREREQ: BIOL 109 OR 201 9629005 TR 11:00-12:20

PESTICIDE APPL CERT PL HP 283 2 CR.
5249005 MW 2:10-3:00

PRIN OF WEED SCIENC PL HP 317 3 CR.
PREREQ: BIOL 201 MATERIALS FEE $7.00
9631010 TR 11:00-12:30
9631015 TR 12:10-2:00

HORTI PLANT NUTRITN PL HP 320 2 CR.
PREREQ: AGRON 154 AVAILABLE FOR NONMAJOR GRADUATE CREDIT.
9640005 TR 8:00-8:50 CHAPLIN M

SOILS & PLANT GROWTH PL HP 354 3 CR.
PREREQ: AGRON 154 AVAILABLE FOR NONMAJOR GRADUATE CREDIT.
9632005 1 TR 1:10-4:00 KILLORN R
9632010 2 TR 10:00-12:00 LOYNACHAN T

SOIL & PLANT GROWTH LB PL HP 354L 1 CR.
PREREQ: CREDIT OR ENROLLMENT IN AGRON 354
9633005 A 1:10-4:00 HENNING S
9633010 B 3:10-6:00 HENNING S
9633015 C 1:10-4:00 HENNING S
9633020 D 2:10-5:00 HASSELMAN E

PND ENTOMO&PEST MGT PL HP 376 3 CR.
PREREQ: BIOL 109 OR 201 AVAILABLE FOR NONMAJOR GRADUATE CREDIT.
9635005 A TR 4:10-5:00
9635010 B TR 1:10-4:00
9635015 C TR 1:10-4:00
9635020 D TR 10:00-12:00
9635025 E TR 4:10-6:00
PLANT HEALTH AND PROTECTION

PLT HEALTH WORK EXP PL HP 392 R CR.
PREREQ: 6 CR IN PLANT HEALTH AND PROTECTION, PERMISSION OF ADVISOR
INSTRUCTOR PERMISSION REQUIRED 1ST WEEK, PROCESS APPROVED ADD SLIP IN 10 ALUMNI HALL
9637005 ARRANGED

PRIN OF PLANT PATH PL HP 407 3 CR.
PREREQ: 8 CR IN BIOL SCIENCES AVAILABLE FOR NONMAJOR GRADUATE CREDIT.
9638005 1 MW 11:00-11:50
W 12:10-3:00
9638010 2 MW 11:00-11:50
W 3:10-6:00PM

FOREST PEST MGT PL HP 416 4 CR.
PREREQ: 8 CR IN BIOL SCIENCES, INCLUDING BIOL 201 FIELD TRIPS & TRAVEL FEE $10.00
AVAILABLE FOR NONMAJOR GRADUATE CREDIT.
9639005 1 TR 11:00-12:20
T 12:10-3:00

INDEP STUDY PLT H&P PL HP 490A 1-3 CR.
PREREQ: JR OR SR CLASSIFICATION, 6 CR IN PLANT HEALTH AND PROTECTION, PERMISSION OF INSTRUCTOR A MAXIMUM OF 6 CREDITS OF PL HP 490 MAY BE APPLIED TOWARD THE TOTAL OF 128 CREDITS REQUIRED FOR GRADUATION
INSTRUCTOR PERMISSION REQUIRED 1ST WEEK, PROCESS APPROVED ADD SLIP IN 10 ALUMNI HALL
9641005 ARRANGED

PLANT PATHOLOGY

INDEP STUDY PLT PATH PL P 490A 1-3 CR.
PREREQ: JR OR SR CLASSIFICATION, 7 CREDITS IN BIOLOGICAL SCIENCES, PERMISSION OF INSTRUCTOR A MAXIMUM OF 6 CREDITS OF PL P 490 MAY BE APPLIED TOWARD THE TOTAL OF 128 CREDITS REQUIRED FOR GRADUATION
3152005 ARRANGED

HONORS INDEP STUDY PL P 490H 1-3 CR.
PREREQ: JR OR SR CLASSIFICATION, 7 CR IN BIOL SCI, INSTR PERMISSION, MEMBERSHIP IN HONORS PROGRAM A MAXIMUM OF 6 CREDITS OF PL P 490 MAY BE APPLIED TOWARD THE TOTAL OF 128 CREDITS REQUIRED FOR GRADUATION
3155005 ARRANGED

PLANT PATHOLOGY

INDEP STUDY HONORS PL HP 490H 1-3 CR.
PREREQ: JR OR SR CLASSIFICATION, 6 CR IN PL HP, INSTR PERMISSION, MEMBERSHIP IN UNIV HONORS PROGRAM A MAXIMUM OF 6 CREDITS OF PL HP 490 MAY BE APPLIED TOWARD THE TOTAL OF 128 CREDITS REQUIRED FOR GRADUATION
INSTRUCTOR PERMISSION REQUIRED 1ST WEEK, PROCESS APPROVED ADD SLIP IN 10 ALUMNI HALL
9642005 ARRANGED

PLANT HEALTH MGT PL HP 498 3 CR.
PREREQ: 391
9643005 M 3:10-5:00
W 3:10-4:00

PRIN OF PLANT PATH PL P 407 3 CR.
PREREQ: 8 CREDITS IN BIOL SCIENCES, INCLUDING BIOL 201 FIELD TRIPS & TRAVEL FEE $10.00
AVAILABLE FOR NONMAJOR GRADUATE CREDIT.
5940005 1 MW 11:00-11:50
W 12:10-3:00
5940010 2 MW 11:00-11:50
W 3:10-6:00PM

FOREST PEST MGT PL P 416 4 CR.
PREREQ: 8 CR IN BIOL SCI, INCLUDING BIOL 201 FIELD TRIPS & TRAVEL FEE $10.00
AVAILABLE FOR NONMAJOR GRADUATE CREDIT.
5942005 1 TR 11:00-12:20
T 12:10-3:00

SPRING 2005 Last Updated 09-17-2004
PLANT PATHOLOGY

SEMINAR PL P 698 1 CR.
Satisfactory-Fail only.
5959005 T 3:40-5:00

THESIS & DIS RESEARCH PL P 699 VAR. CR.
5960005 Arranged

PLANT PHYSIOLOGY

PLANT GROWTH & DEVELOP P PHY 512 2 CR.
PREREQ: 320 OR A COURSE IN DEVELOPMENTAL BIOLOGY;
545 OR B B 404, 405 OR GEN 520
6803005 MW 10:00-10:50

SEM PLT PHYSL, MOLEC P PHY 696 1 CR.
3753005 W 4:10-5:00

POLISH

ELEMENTRY POLISH II POLSH 102X 4 CR.
PREREQ: POLISH 101X
MEETS INTERNATIONAL PERSPECTIVES REQMT.
2556005 MW 2:10-3:15, Arranged

POLITICAL SCIENCE

INTR EMPIRICL RSRCH POL S 301 4 CR.
PREREQ: 3 CREDITS IN POL S; 1 STAT CRSE REQUIRED
5965005 A M 10:00-11:50
W 10:00-11:50

POLITICAL BEHAVIOR POL S 305 3 CR.
PREREQ: SOPHOMORE CLASSIFICATION
5966005 A MWF 1:10-2:00
SEC A RESTRICTED TO POL S MAJORS ONLY.
5966010 B MWF 1:10-2:00
SEC B FOR MAJORS OTHER THAN POL S.

STATE & LOCAL GOVT POL S 310 3 CR.
PREREQ: 3 CR IN POL S
5968005 A MWF 1:10-2:00
SEC A RESTRICTED TO POL S MAJORS ONLY.
5968010 B MWF 1:10-2:00
SEC B FOR MAJORS OTHER THAN POL S.

MUNICIP GOVT & POLIT POL S 311 3 CR.
PREREQ: 215
5969005 A AM 3:10-4:30
SEC A RESTRICTED TO POL S MAJORS ONLY.
5969010 B AM 3:10-4:30
SEC B FOR MAJORS OTHER THAN POL S.

AMERICAN GOVERNMENT POL S 215 3 CR.
SEC 1A, 2A, 3A RESTRICTED TO POL S MAJORS ONLY.
SEC 1B, 2B, 3B FOR MAJORS OTHER THAN POL S.
5961005 1A MWF 1:10-4:00
5961010 1B MWF 1:10-4:00
5961015 2A TR 9:30-10:50
5961020 2B TR 9:30-10:50

INTRO ETHICS & POLITCS POL S 235 3 CR.
PREREQ: SOPHOMORE STANDING
5715005 A MWF 11:00-11:50
SEC A RESTRICTED TO POL S MAJORS ONLY
5715010 B MWF 11:00-11:50
SEC B FOR MAJORS OTHER THAN POL S

INTR CMPAR GOVT & POL POL S 241 3 CR.
SEC 1A, 2A RESTRICTED TO POL S MAJORS ONLY. SEC
1B, 2B FOR MAJORS OTHER THAN POL S.
MEETS INTERNATIONAL PERSPECTIVES REQMT.
5963005 1A MF 12:10-1:00
5963010 1B MF 12:10-1:00
5963015 2A TR 11:00-12:20
5963020 2B TR 11:00-12:20

INTRO INTERNATL POL POL S 251 3 CR.
SEC 1A, 2A RESTRICTED TO POL S MAJORS ONLY. SEC
1B, 2B FOR MAJORS OTHER THAN POL S.
MEETS INTERNATIONAL PERSPECTIVES REQMT.
5964005 1A TR 9:30-10:50
5964010 1B TR 9:30-10:50
5964015 2A MF 9:00-9:50
5964020 2B MF 9:00-9:50

EUROPEAN POLITICS POL S 346 3 CR.
5976005 A MWF 10:00-10:50
SEC A RESTRICTED TO POL S MAJORS ONLY.
5976010 B MWF 10:00-10:50
SEC B FOR MAJORS OTHER THAN POL S.

INTRO MIDDLE EAST POL S 350 3 CR.
MEETS INTERNATIONAL PERSPECTIVES REQMT.
AVAILABLE FOR NONMAJOR GRADUATE CREDIT.
7229005 A TR 9:30-10:50
SEC A RESTRICTED TO POL S MAJORS ONLY.
7229010 B TR 9:30-10:50
SEC B FOR MAJORS OTHER THAN POL S.

LAW AND POLITICS POL S 319 3 CR.
PREREQ: SOPHOMORE STANDING; 215 RECOMMENDED
CREDIT FOR EITHER POL S 319 OR POL S 230, BUT
NOT BOTH, MAY BE APPLIED TOWARD GRADUATION
3865005 A TR 12:40-2:00
SEC A RESTRICTED TO POL S MAJORS ONLY.
3865010 B TR 12:40-2:00
SEC B FOR MAJORS OTHER THAN POL S.

PUBLIC POLICY POL S 344 3 CR.
9243005 A TR 11:00-12:20
SEC A RESTRICTED TO POL S MAJORS ONLY.
9243010 B TR 11:00-12:20
SEC B FOR MAJORS OTHER THAN POL S.

EUROPEAN POLITICS POL S 346 3 CR.
5976005 A MWF 10:00-10:50
SEC A RESTRICTED TO POL S MAJORS ONLY.
5976010 B MWF 10:00-10:50
SEC B FOR MAJORS OTHER THAN POL S.

INTRO MIDDLE EAST POL S 350 3 CR.
MEETS INTERNATIONAL PERSPECTIVES REQMT.
AVAILABLE FOR NONMAJOR GRADUATE CREDIT.
7229005 A TR 9:30-10:50
SEC A RESTRICTED TO POL S MAJORS ONLY.
7229010 B TR 9:30-10:50
SEC B FOR MAJORS OTHER THAN POL S.
POLITICAL SCIENCE

ISSUES FOREIGN POLICY POL S 359 3 CR.
PREREQ: 215, 251, OR 358
1006005 A TR 2:10-3:30
SEC A RESTRICTED TO POL S MAJORS ONLY.
1006010 B TR 2:10-3:30
SEC B FOR MAJORS OTHER THAN POL S.

CONGRESS & STATE LEGIS POL S 360 3 CR.
PREREQ: 215, 251, OR 358
5980005 A MW 1:10-2:00
SEC A RESTRICTED TO POL S MAJORS ONLY.
5980100 B MW 1:10-2:00
SEC B FOR MAJORS OTHER THAN POL S.

RELIGION & POLITICS POL S 370 3 CR.
PREREQ: RELIG 105 OR 210 RECOMMENDED
AVAILABLE FOR NONMAJOR GRADUATE CREDIT.
3166005 A MW 4:10-5:30
SEC A RESTRICTED TO POL S MAJORS ONLY.
3166010 B MW 4:10-5:30
SEC B FOR MAJORS OTHER THAN POL S.

INTR PUBLIC ADMINISTRATION POL S 371 3 CR.
PREREQ: 215
5982005 MW 9:00-10:30

INTRO POLITICAL ECONOMY POL S 381 3 CR.
PREREQ: 215
1000005 A MW 11:00-11:50
SEC A RESTRICTED TO POL S MAJORS.
1000100 B MW 11:00-11:50
SEC B FOR MAJORS OTHER THAN POL S.

WOMEN IN POLITICS POL S 385 3 CR.
MEETS U.S. DIVERSITY & INTL PERSPECTIVES REQUIRT.
5983005 A MW 4:10-5:30
SEC A RESTRICTED TO POL S MAJORS ONLY.
5983100 B MW 4:10-5:30
SEC B FOR MAJORS OTHER THAN POL S.

PUBLIC OPINION & VOTING BEHAVIOR POL S 406 3 CR.
PREREQ: 6 CR IN POL S OR JUNIOR CLASSIFICATION
AVAILABLE FOR NONMAJOR GRADUATE CREDIT.
9242005 MW 11:00-12:50

CONSTITUTIONAL FREEDOMS POL S 421 3 CR.
PREREQ: 320 OR 420
AVAILABLE FOR NONMAJOR GRADUATE CREDIT.
5989005 TR 9:30-10:50

MODERN POLITICAL THOUGHT POL S 431 3 CR.
PREREQ: 6 CR IN POL S, PHILO, OR EUROPEAN HIST
AVAILABLE FOR NONMAJOR GRADUATE CREDIT.
5993005 MW 2:10-3:00

INTERNATIONAL ORGANIZATIONS POL S 453 3 CR.
PREREQ: 251
AVAILABLE FOR NONMAJOR GRADUATE CREDIT.
6001005 A MW 2:10-3:00
SEC A RESTRICTED TO POL S MAJORS ONLY
6001100 B MW 2:10-3:00
SEC B FOR MAJORS OTHER THAN POL S.

POLITICAL SCIENCE

POLITICAL PARTISANSHIP POL S 464 3 CR.
PREREQ: 215; JUNIOR CLASSIFICATION
6003005 MW 10:00-11:50

ENVIRONMENTAL POLICY POL S 482 3 CR.
PREREQ: 3 CR IN POL S OR ENV S; JR CLASSIFICATION
AVAILABLE FOR NONMAJOR GRADUATE CREDIT.
6010005 TR 6:00-9:00 PM

INDIVIDUAL STUDY AMERICAN GOVERNMENT POL S 490A VAR. 1-2 CR.
PREREQ: 6 CREDITS IN POLITICAL SCIENCE
NO MORE THAN 9 CREDITS OF POL S 490 MAY BE
APPLIED TOWARD GRADUATION. A MAXIMUM OF 3 CREDITS
OF POL S 490 MAY BE APPLIED TO MEET ANY OF THE FOUR
SUBFIELD REQUIREMENTS. ONLY 6 CREDITS OF POL S 490
AND/OR POL S 499 CAN BE APPLIED TO THE MAJOR.
INSTRUCTOR PERMISSION REQUIRED 1ST WEEK, PROCESS
APPROVED ADD SLIP IN 10 ALUMNI HALL
******* SEE DEPT FOR REFERENCE NUMBERS

INDIVIDUAL STUDY THEORY & METHOD POL S 490B VAR. 1-2 CR.
PREREQ: 6 CREDITS IN POLITICAL SCIENCE
NO MORE THAN 9 CREDITS OF POL S 490 MAY BE
APPLIED TOWARD GRADUATION. A MAXIMUM OF 3 CREDITS
OF POL S 490 MAY BE APPLIED TO MEET ANY OF THE FOUR
SUBFIELD REQUIREMENTS. ONLY 6 CREDITS OF POL S 490
AND/OR POL S 499 CAN BE APPLIED TO THE MAJOR.
INSTRUCTOR PERMISSION REQUIRED 1ST WEEK, PROCESS
APPROVED ADD SLIP IN 10 ALUMNI HALL
******* SEE DEPT FOR REFERENCE NUMBERS

INDIVIDUAL STUDY COMPARATIVE POLITICAL SYSTEMS POL S 490C VAR. 1-2 CR.
PREREQ: 6 CREDITS IN POLITICAL SCIENCE
NO MORE THAN 9 CREDITS OF POL S 490 MAY BE
APPLIED TOWARD GRADUATION. A MAXIMUM OF 3 CREDITS
OF POL S 490 MAY BE APPLIED TO MEET ANY OF THE FOUR
SUBFIELD REQUIREMENTS. ONLY 6 CREDITS OF POL S 490
AND/OR POL S 499 CAN BE APPLIED TO THE MAJOR.
INSTRUCTOR PERMISSION REQUIRED 1ST WEEK, PROCESS
APPROVED ADD SLIP IN 10 ALUMNI HALL
******* SEE DEPT FOR REFERENCE NUMBERS

INDIVIDUAL STUDY INTERNATIONAL POLITICS POL S 490D VAR. 1-2 CR.
PREREQ: 6 CREDITS IN POLITICAL SCIENCE
NO MORE THAN 9 CREDITS OF POL S 490 MAY BE
APPLIED TOWARD GRADUATION. A MAXIMUM OF 3 CREDITS
OF POL S 490 MAY BE APPLIED TO MEET ANY OF THE FOUR
SUBFIELD REQUIREMENTS. ONLY 6 CREDITS OF POL S 490
AND/OR POL S 499 CAN BE APPLIED TO THE MAJOR.
INSTRUCTOR PERMISSION REQUIRED 1ST WEEK, PROCESS
APPROVED ADD SLIP IN 10 ALUMNI HALL
******* SEE DEPT FOR REFERENCE NUMBERS

INDIVIDUAL STUDY EXTENDED CREDIT POL S 490E 1-2 CR.
PREREQ: 6 CREDITS IN POLITICAL SCIENCE
NO MORE THAN 9 CREDITS OF POL S 490 MAY BE
APPLIED TOWARD GRADUATION. A MAXIMUM OF 3 CREDITS
OF POL S 490 MAY BE APPLIED TO MEET ANY OF THE FOUR
SUBFIELD REQUIREMENTS. ONLY 6 CREDITS OF POL S 490
AND/OR POL S 499 CAN BE APPLIED TO THE MAJOR.
INSTRUCTOR PERMISSION REQUIRED 1ST WEEK, PROCESS
APPROVED ADD SLIP IN 10 ALUMNI HALL
******* SEE DEPT FOR REFERENCE NUMBERS
POLITICAL SCIENCE

IND STUDY CATT CNTR  POL S 490G  VAR. CR.
PREREQ: 6 CREDITS IN POLITICAL SCIENCE
NO MORE THAN 9 CREDITS OF POL S 490 MAY BE
APPLIED TOWARD GRADUATION. A MAXIMUM OF 3 CREDITS
OF POL S 490 MAY BE APPLIED TO MEET ANY OF THE FOUR
SUBFIELD REQUIREMENTS. ONLY 6 CREDITS OF POL S 490
AND/OR POL S 499 CAN BE APPLIED TO THE MAJOR.
INSTRUCTOR PERMISSION REQUIRED 1ST WEEK, PROCESS
APPROVED ADD SLIP IN 10 ALUMNI HALL

INDEP STUDY HONORS  POL S 490H  VAR. CR.
PREREQ: 6 CR IN POL S, MEMBERSHIP IN HONORS PROG
NO MORE THAN 9 CREDITS OF POL S 490 MAY BE
APPLIED TOWARD GRADUATION. A MAXIMUM OF 3 CREDITS
OF POL S 490 MAY BE APPLIED TO MEET ANY OF THE FOUR
SUBFIELD REQUIREMENTS. ONLY 6 CREDITS OF POL S 490
AND/OR POL S 499 CAN BE APPLIED TO THE MAJOR.
INSTRUCTOR PERMISSION REQUIRED 1ST WEEK, PROCESS
APPROVED ADD SLIP IN 10 ALUMNI HALL

SENIOR THESIS  POL S 491X  3 CR.
PREREQ: 21 CREDITS OF POL S, SENIOR STATUS AND
PERMISSION OF INSTRUCTOR.
INSTRUCTOR PERMISSION REQUIRED, PROCESS
APPROVED ADD SLIP IN 10 ALUMNI HALL

COOPERATIVE EDUCATION  POL S 498  R CR.
PREREQ: PERMISSION OF DEPARTMENT COOP EDUCATION
COORDINATOR; SENIOR CLASSIFICATION
4568005  ARRANGED
INSTRUCTOR PERMISSION REQUIRED, PROCESS
APPROVED ADD SLIP IN 10 ALUMNI HALL

POL SCI INTERNSHIP  POL S 499  VAR. CR.
Satisfactory-Fail only.
PREREQ: 6 CREDITS IN POL S; JUNIOR OR SENIOR
CLASSIFICATION; PERMISSION OF INTERNSHIP COORDINATOR.
NO MORE THAN 6 CREDITS OF POL S 490 AND/OR POL S
499 CAN BE APPLIED TOWARD GRADUATION IN THE MAJOR

DEMOCRATIZATION  POL S 526X  3 CR.
3872005  T 6:00-9:00PM  MCGLINCHEY E

MODERN POLI THOUGHT  POL S 531  3 CR.
PREREQ: 6 CR IN POL S, PHIL, OR EUROPEAN HISTORY
6025005  MWF 2:10-3:00

CONTEMP POLITC PHIL  POL S 535  3 CR.
3790005  W 3:10-5:30

PUBLIC SERVICE PRAC  POL S 540X  1 CR.
SATISFACTORY-FAIL ONLY.
7380005  ARRANGED

AMER POLIT INSTITUT  POL S 560  3 CR.
PREREQ: 6 CREDITS IN AMERICAN GOVERNMENT
6012005  MW 11:00-12:30

ENVIR POLIT&POLICIE  POL S 582  3 CR.
PREREQ: 3 CR IN POL S OR ENV S; GRAD CLASSIFICATION
6814005  R 6:00-9:00PM

SP TOP POLIT INSTIT  POL S 590A  2-5 CR.
PREREQ: 15 CR IN POL S, WRITTEN INSTRUCTOR PERMISSION
INSTRUCTOR PERMISSION REQUIRED 1ST WEEK, PROCESS
APPROVED ADD SLIP IN 10 ALUMNI HALL

SPL TOP PUBLIC LAW  POL S 590B  2-5 CR.
PREREQ: 15 CR IN POL S, WRITTEN INSTRUCTOR PERMISSION
INSTRUCTOR PERMISSION REQUIRED 1ST WEEK, PROCESS
APPROVED ADD SLIP IN 10 ALUMNI HALL

SPL TOP COMPAR GOVT  POL S 590D  2-5 CR.
PREREQ: 15 CR IN POL S, WRITTEN INSTRUCTOR PERMISSION
INSTRUCTOR PERMISSION REQUIRED 1ST WEEK, PROCESS
APPROVED ADD SLIP IN 10 ALUMNI HALL

SPL TOP POL PARTIES  POL S 590F  2-5 CR.
PREREQ: 15 CR IN POL S, WRITTEN INSTRUCTOR PERMISSION
INSTRUCTOR PERMISSION REQUIRED 1ST WEEK, PROCESS
APPROVED ADD SLIP IN 10 ALUMNI HALL

SPL TOP PUB POL&ADM  POL S 590G  2-5 CR.
PREREQ: 15 CR IN POL S, WRITTEN INSTRUCTOR PERMISSION

SPCL TOP INTERNSHIP  POL S 590I  2-5 CR.
PREREQ: 15 CR IN POL S, WRITTEN INSTRUCTOR PERMISSION
INSTRUCTOR PERMISSION REQUIRED 1ST WEEK, PROCESS
APPROVED ADD SLIP IN 10 ALUMNI HALL

SPL TOP TEACHG PREP  POL S 590T  2-5 CR.
PREREQ: 15 CR IN POL S, WRITTEN INSTRUCTOR PERMISSION

SPCL TOP INTERNSHIP  POL S 590I  2-5 CR.
PREREQ: 15 CR IN POL S, WRITTEN INSTRUCTOR PERMISSION
INSTRUCTOR PERMISSION REQUIRED 1ST WEEK, PROCESS
APPROVED ADD SLIP IN 10 ALUMNI HALL

SPL TOP TEACHG PREP  POL S 590T  2-5 CR.
PREREQ: 15 CR IN POL S, WRITTEN INSTRUCTOR PERMISSION
INSTRUCTOR PERMISSION REQUIRED 1ST WEEK, PROCESS
APPROVED ADD SLIP IN 10 ALUMNI HALL

PUBLIC ADMIN INTERN  POL S 598  3-6 CR.
PREREQ: 15 CREDITS IN POL S, INSTRUCTOR PERMISSION
4540013  CT ARRANGED  COATES P
POLITICAL SCIENCE

CREATIVE COMPONENT    POL S 599 VAR. CR.
INSTRUCTOR PERMISSION REQUIRED 1ST WEEK, PROCESS
APPROVED ADD SLIP IN 10 ALUMNI HALL
******     SEE DEPT FOR REFERENCE NUMBERS

SEM INT'L RELATIONS    POL S 610E    3 CR.
PREREQ: 15 CREDITS IN POLITICAL SCIENCE
INSTRUCTOR PERMISSION REQUIRED 1ST WEEK, PROCESS
APPROVED ADD SLIP IN 10 ALUMNI HALL

RESEARCH    POL S 699 VAR. CR.
INSTRUCTOR PERMISSION REQUIRED 1ST WEEK, PROCESS
APPROVED ADD SLIP IN 10 ALUMNI HALL
******     SEE DEPT FOR REFERENCE NUMBERS

PORTUGUESE

ELEM BRZ PORTUGU II    PORT  102    4 CR.
PREREQ: 101
TESTOUT NOT AVAILABLE IF ALSO REGISTERED.
ENROLLMENT NOT OPEN TO STUDENTS WHO HAVE COMPLETED PORT 112X.
MATERIALS AND EQUIPMENT USE FEE $20.00
MEETS INTERNATIONAL PERSPECTIVES REQMT.
6062005   1 MTWRF 10:00-10:50

ACCEL ELE PORTUG II    PORT  112X    3 CR.
PREREQ: 111X
ENROLLMENT NOT OPEN TO STUDENTS WHO HAVE COMPLETED PORT 102
MATERIALS FEE $20.00
MEETS INTERNATIONAL PERSPECTIVES REQMT.
4530005   1 TR 9:30-10:50

PORT LIT ENGL TRANS    PORT  370    3 CR.
TOPIC: LATIN AMERICAN FANTASTIC LITERATURE
3791005   1 TR 12:40-2:00

PRODUCTION/OPERATIONS MANAGEMENT

prod/operations mgmt    POM  320    3 CR.
NIGHT EXAMINATIONS SCHEDULED.
PREREQ: STAT 226
SECTIONS A1, B1 RESTRICTED TO ACCT, BUS S, BUS U,
FIN, I BUS, MGMT, MIS, MKT, POM, TRLOG MAJORS ONLY.
SECTIONS A2, B2 FOR COLLEGES OTHER THAN BUSINESS.
PERMISSION OF COLLEGE REQUIRED TO ADD DURING
1ST WEEK; GO TO 1200 GERDIN
5279005   A1 TR 8:00-9:20
5279010   A2 TR 8:00-9:20
5279015   B1 TR 9:30-10:50
5279020   B2 TR 9:30-10:50

MFG PLANNING&CTRL    POM  422    3 CR.
PREREQ: 320
AVAILABLE FOR NONMAJOR GRADUATE CREDIT.
PERMISSION OF COLLEGE REQUIRED TO ADD DURING
1ST WEEK; GO TO 1200 GERDIN
6818005   A TR 8:00-9:20

DEMAND PLANNING&MGT    POM  485X    3 CR.
PREREQ: POM 320 AND TRLOG 360
PERMISSION OF COLLEGE REQUIRED TO ADD DURING
1ST WEEK; GO TO 1200 GERDIN
8228005   A TR 2:10-3:30
8228010   B MW 2:10-3:30

PRIN PRCHS&PLY MGM    POM  486X    3 CR.
PREREQ: POM 320 AND TRLOG 360
AVAILABLE FOR NONMAJOR GRADUATE CREDIT.
4832005   A TR 3:40-5:00

STRATEGIC DMAND PLAN    POM  585X    3 CR.
PREREQ: 502
8250005   A T 6:00-9:30PM
(SECT A: JAN 18-MARCH 12

INDEPENDENT STUDY    POM  490    1- 3 CR.
PREREQ: 320, SENIOR CLASSIFICATION, PERMISSION
OF INSTRUCTOR
DEPARTMENT PERMISSION REQUIRED, PROCESS
APPROVED ADD SLIP IN 10 ALUMNI HALL
******     SEE DEPT FOR REFERENCE NUMBERS

SPECIAL TOPICS    POM  590    1- 3 CR.
PREREQ: PERMISSION OF INSTRUCTOR
******     SEE DEPT FOR REFERENCE NUMBERS

PSYCHOLOGY

INTRO TO PSYCHOLOGY    PSYCH 101    3 CR.
NIGHT EXAMINATIONS SCHEDULED.
6069005   A TR 8:00-9:20
6069010   B TR 9:30-10:50
6069015   C TR 11:00-12:20

LAB INTRODUC PSYCH    PSYCH 102    1 CR.
PREREQ: CR OR ENROLLMENT IN 101
COURSE RESTRICTED TO PSYCH MAJORS ONLY
4786005   A T 1:10-2:50
4786010   B W 8:00-9:40
4786015   C T 3:10-4:50

ORIENTATN TO PSYCH    PSYCH 111    R CR.
SATISFACTORY-FAIL ONLY.
6068005   W 3:10-4:00

ACAD LEARNG SKILLS    PSYCH 131    1 CR.
SATISFACTORY-FAIL ONLY.
6071005   A MW 9:00-9:50
6071010   B MW 10:00-10:50
6071015   C MW 11:00-11:50
6071020   D MW 12:10-1:00
6071025   E MW 1:10-2:00
6071030   F MW 2:10-3:00
6071035   G TR 9:00-9:50
6071040   H TR 10:00-10:50
6071045   J TR 11:00-11:50
# PSYCHOLOGY

## ACAD LEARNG SKILLS
**PSYCH 131** 1 CR.
- 6071050 K TR 12:10-1:00
- 6071055 L TR 1:10-2:00
- 6071060 M TR 2:10-3:00

## EXPLOR PSYCH AT ISU
**PSYCH 201** 1 CR.
- SATISFACTORY-FAIL ONLY.
- PREREQ: PSYCHOLOGY MAJOR
- COURSE RESTRICTED TO PSYCH MAJORS ONLY
- 3566005 W 11:00-11:50

## DEVELOPMENTAL PSYCH
**PSYCH 230** 3 CR.
- NIGHT EXAMINATIONS SCHEDULED.
- 6072005 A TR 12:40-2:00
- 6072010 B TR 2:10-3:30

## SOCIAL PSYCHOLOGY
**PSYCH 280** 3 CR.
- NIGHT EXAMINATIONS SCHEDULED.
- 6075005 A MWF 10:00-10:50
- 6075010 B MWF 12:10-1:00

## RES DSGN & METHODOL
**PSYCH 301** 3 CR.
- PREREQ: STAT 101; 1 COURSE IN PSYCHOLOGY
- COURSE RESTRICTED TO PSYCH MAJORS ONLY
- 6076005 A MWF 10:00-10:50

## RESRCH METHODS PSYC
**PSYCH 302** 3 CR.
- PREREQ: 301
- COURSE RESTRICTED TO PSYCH MAJORS ONLY
- 1173005 A MW 10:00-11:50
- 1173010 B TR 11:00-1:00
- 1173015 C TR 12:10-2:00
- 1173020 D MW 2:10-4:00

## BRAIN & BEHAVIOR
**PSYCH 310** 3 CR.
- PREREQ: 101; BIOL 109 OR 201 OR ZOOL 155
- 1515005 A1 MWF 9:00-9:50
- SECTION A1 RESTRICTED TO PSYCH MAJORS ONLY
- 1515010 A2 MWF 9:00-9:50

## SENSATION & PERCEPTN
**PSYCH 312** 3 CR.
- PREREQ: 101
- 6079005 A1 M 6:00-8:30PM
- SEC A1 FOR PSYCH MAJORS ONLY
- 6079010 A2 M 6:00-8:30PM
- SEC A2 FOR MAJORS OTHER THAN PSYCH

## LEARNING & MEMORY
**PSYCH 313** 3 CR.
- PREREQ: 101
- 6080005 A1 TR 8:00-9:20
- SECTION A1 RESTRICTED TO PSYCH MAJORS ONLY
- 6080105 A2 TR 8:00-9:20

## MOTIVATION
**PSYCH 314** 3 CR.
- PREREQ: 101
- 6081005 A1 MW 1:10-2:00
- SECTION A1 RESTRICTED TO PSYCH MAJORS ONLY
- 6081010 A2 MW 1:10-2:00

## DRUGS & BEHAVIOR
**PSYCH 315** 3 CR.
- PREREQ: 101; BIOL 109 OR 201 OR ZOOL 155
- 6082005 A1 TR 12:40-2:00
- SECTION A1 RESTRICTED TO PSYCH MAJORS ONLY
- 6082010 A2 TR 12:40-2:00

## COGNITIVE PROCESSES
**PSYCH 316** 3 CR.
- PREREQ: 101
- 6083005 A1 TR 9:30-10:45
- SECTION A1 RESTRICTED TO PSYCH MAJORS ONLY
- 6083010 A2 TR 9:30-10:45

## EDUCATIONAL PSYCHOL
**PSYCH 333** 3 CR.
- PREREQ: C I 201, PSYCH 230 OR HD PS 102, APPLIC TO THE TEACHER EDUC PROGRAM OR MAJOR IN PSYCHOLOGY
- COURSE RESTRICTED TO PSYCH, SEC ED MAJORS
- 4361005 TR 2:10-3:30

## PSYCH OF RELIGION
**PSYCH 348X** 3 CR.
- 2604005 A1 TR 9:30-10:45
- SECTION A1 RESTRICTED TO PSYCH MAJORS ONLY
- 2604010 A2 TR 9:30-10:45

## NORMAL PERSONALITY
**PSYCH 360** 3 CR.
- PREREQ: 101
- 6087005 A1 TR 3:40-5:00
- SECTION A1 RESTRICTED TO PSYCH MAJORS ONLY
- 6087010 A2 TR 3:40-5:00

## SMALL GROUP BEHAVR
**PSYCH 381** 3 CR.
- PREREQ: 280 OR SOC 305
- 6088005 A TR 3:40-5:00

## PSYCH MEASUREMENT I
**PSYCH 440** 3 CR.
- PREREQ: 301 AND 9 CR IN PSYCH, STAT 101
- COURSE RESTRICTED TO PSYCH MAJORS ONLY
- AVAILABLE FOR NONMAJOR GRADUATE CREDIT.
- 6099005 MW 12:10-2:00

## ABNORMAL PSYCHOLOGY
**PSYCH 460** 3 CR.
- PREREQ: 3 COURSES IN PSYCH INCLUDING 101
- AVAILABLE FOR NONMAJOR GRADUATE CREDIT.
- 6102005 A1 MWF 11:00-11:50

## CLOSE RELATIONSHIPS
**PSYCH 484** 3 CR.
- PREREQ: 9 CR IN PSYCH INCLUDING 280
- AVAILABLE FOR NONMAJOR GRADUATE CREDIT.
- 5693005 A1 TR 3:40-5:00

## INDEPENDENT STUDY
**PSYCH 490** 1-3 CR.
- PREREQ: JR CLASSIF, 6 CR IN PSYCH, INSTR PERMISSN
- NO MORE THAN 9 CREDITS OF PSYCH 490 MAY BE APPLIED TOWARD A DEGREE IN PSYCHOLOGY
- SEE DEPT FOR REFERENCE NUMBERS
PSYCHOLOGY

INDEPENDENT STUDY HONORS PSYCH 490H 1-3 CR.
PREQ: JR CLASSIFICATION, 6 CR IN PSYCH, INSTRUCTOR PERMISSION, MEMBERSHIP IN UNIV HONORS PROGRAM
NO MORE THAN 9 CREDITS OF PSYCH 490 MAY BE APPLIED TOWARD A DEGREE IN PSYCHOLOGY

RESEARCH PRACTICUM PSYCH 491 VAR. CR.
PREQ: JR CLASSIFICATION, INSTR PERMISSION, CREDIT OR ENROLLMENT IN 301
NO MORE THAN 9 CREDITS OF PSYCH 491 MAY BE APPLIED TOWARD A DEGREE IN PSYCHOLOGY

FIELDWORK PRACTICUM PSYCH 492 VAR. CR.
SATISFACTORY-FAIL ONLY.
PREQ: JR CLASSIFICATION, 12 CR IN PSYCH, PERMISSION OF INSTRUCTOR
NO MORE THAN 9 CREDITS OF PSYCH 492 MAY BE APPLIED TOWARD A DEGREE IN PSYCHOLOGY

RESEARCH METHODS APPLIED PSYCH PSYCH 508 3 CR.
PREQ: 440, STAT 401
6110005 M 12:10-3:00

COGNITIVE NEUROPSYCH PSYCH 519 3 CR.
PREQ: PERMISSION OF INSTRUCTOR
4106005 W 5:10-7:40PM

ADVANCED DEVELOPMENTAL PSYCH PSYCH 530X 3 CR.
PREQ: 230, 301, 302 AND STAT 401 OR GRADUATE CLASSIFICATION
5284005 TR 2:10-3:30

EDUCATIONAL PSYCH LEARNING PSYCH 533 3 CR.
PREQ: C I 333 OR TEACHER LICENSURE
6118005 M 4:30-6:00PM

PSYCHOPHYSICAL BEHAVIORAL PSYCH PSYCH 561 3 CR.
PREQ: 460
6129005 TR 11:00-12:20

SOCIAL PSYCHOLOGY APP PSYCH 581 3 CR.
PREQ: 12 CREDITS IN PSYCH, INCLUDING 280
6132005 TR 8:00-9:20

RESEARCH METHODS SOC PSY PSYCH 586 3 CR.
PREQ: STAT 402 AND PERMISSION OF INSTRUCTOR
1942005 W 2:10-5:00

SPECIAL TOPICS IN COUNSELING PSYCH 590A VAR. CR.
PREQ: 9 CREDITS IN PSYCH, PERMISSION OF INSTRUCTOR

SPECIAL TOPICS IN COGNITIVE PSYCH PSYCH 590Q VAR. CR.
PREQ: 9 CREDITS IN PSYCH, PERMISSION OF INSTRUCTOR

SPECIAL TOPICS IN SOCIAL PSYCH PSYCH 590R VAR. CR.
PREQ: 9 CREDITS IN PSYCH, PERMISSION OF INSTRUCTOR

PSYCHOLOGY

SPECIAL TOPICS GENERAL PSYCH 590Z VAR. CR.
PREQ: 12 HOURS IN PSYCH, INSTRUCTOR PERMISSION

SEMINAR IN COUNSELING PSYCH 592A 1-3 CR.
PREQ: 12 HOURS IN PSYCHOLOGY
COURSE ONLY OFFERED FOR 3 CREDITS SPRING 2005
7324005 A M 12:10-3:00
7324010 B R 12:40-3:00

SEMINAR IN ISSUE & ETHICS PSYCH 592M 1-3 CR.
PREQ: 12 HOURS IN PSYCHOLOGY
COURSE ONLY OFFERED FOR 3 CREDITS SPRING 2005
7326005 R 2:10-5:00

INTERNSHIP IN PSYCH PSYCH 597 R CR.
PREQ: M.S. DEGREE CANDIDACY; PERMISSION OF INSTRUCTOR
7659005 ARRANGED

CREATIVE COMPONENT PSYCH 599 VAR. CR.
SATISFACTORY-FAIL ONLY.
PREQ: 12 HOURS IN PSYCHOLOGY

TEACHING OF PSYCH PSYCH 633 3 CR.
PREQ: ENROLLMENT IN DEGREE PROGRAM IN PSYCH, COMPLETION OF AT LEAST ONE YEAR OF GRAD STUDY, PERMISSION OF INSTRUCTOR
6156005 TR 3:40-5:00

PRACTICUM IN PSYCH PSYCH 691A VAR. CR.
PREQ: PERMISSION OF INSTRUCTOR
6159005 ARRANGED

PRACTICUM GROUP COUNSELING PSYCH 691E VAR. CR.
PREQ: 691A, PERMISSION OF INSTRUCTOR

PRACTICUM ADVANCED COUNSELING PSYCH 691F VAR. CR.
PREQ: 691A, PERMISSION OF INSTRUCTOR

PRACTICUM TEACHING PSYCH 691T VAR. CR.
SATISFACTORY-FAIL ONLY.
PREQ: 633, PERMISSION OF INSTRUCTOR

SPECIAL TOPICS IN COGNITIVE PSYCH 692Q 1-3 CR.
PREQ: PERMISSION OF INSTRUCTOR
COURSE ONLY OFFERED FOR 2 CREDITS SPRING 2005
7667029 DP ARRANGED PARKHURST D

SPECIAL TOPICS IN SOCIAL PSYCH PSYCH 692R 1-3 CR.
PREQ: PERMISSION OF INSTRUCTOR
COURSE ONLY OFFERED FOR 3 CREDITS SPRING 2005
9085005 ARRANGED

RESEARCH SEMINAR COGNITIVE PSYCH 692Q 1-3 CR.
PREQ: PERMISSION OF INSTRUCTOR
COURSE ONLY OFFERED FOR 2 CREDITS SPRING 2005
7667029 DP ARRANGED PARKHURST D

RESEARCH SEMINAR SOCIAL PSYCH 692R 1-3 CR.
PREQ: PERMISSION OF INSTRUCTOR
COURSE ONLY OFFERED FOR 3 CREDITS SPRING 2005
9085005 ARRANGED

RES/CH SEMINAR COGNITIVE PSYCH 692Q 1-3 CR.
PREQ: PERMISSION OF INSTRUCTOR
COURSE ONLY OFFERED FOR 2 CREDITS SPRING 2005
7667029 DP ARRANGED PARKHURST D

RES/CH SEMINAR SOCIAL PSYCH 692R 1-3 CR.
PREQ: PERMISSION OF INSTRUCTOR
COURSE ONLY OFFERED FOR 3 CREDITS SPRING 2005
9085005 ARRANGED
## PSYCHOLOGY

**INTERN COUNSELING**  
**PSY 697**  
**R CR.**  
**PREREQ:** PH.D. CANDIDACY IN THE COUNSELING PSYCH PROG, APPROVED DISSERTATION PROPOSAL, INSTR PERMISSN 6182005 **ARRANGED**

**RESEARCH**  
**PSY 699**  
**VAR. CR.**  
**SATISFACTORY-FAIL ONLY.**  

**RESEARCH & EVALUATION**

<table>
<thead>
<tr>
<th>Course Number</th>
<th>Title</th>
<th>Credits</th>
<th>Prerequisites</th>
<th>Description</th>
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<tr>
<td>6211005</td>
<td>Educational Research</td>
<td>3 CR.</td>
<td>Graduate classification</td>
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<td>6211010</td>
<td>Education Research</td>
<td>2 CR.</td>
<td>Graduate classification</td>
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<td>3165005</td>
<td>Religion &amp; Politics</td>
<td>3 CR.</td>
<td>105 or 210 Recommended</td>
<td>Available for nonmajor graduate credit.</td>
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<td>3617005</td>
<td>Relign&amp;Ag Sustainbl</td>
<td>3 CR.</td>
<td></td>
<td>Available for nonmajor graduate credit.</td>
</tr>
</tbody>
</table>

## RELIGIOUS STUDIES

**INTRO WRLD RELIGION**  
**REL 105**  
**3 CR.**  
**MEETS INTERNATIONAL PERSPECTIVES REQMT.**  
**INSTRUCTOR PERMISSION REQUIRED 1ST WEEK, PROCESS**  
**APPROVED ADD SLIP IN 10 ALUMNI HALL**  
**6188005**  
**A TR 9:30-10:50**  
**SAWYER M**  
**SEC A RESTRICTED TO FRESHMEN & SOPHOMORES ONLY.**

**RELIGION IN AMERICA**  
**REL 210**  
**3 CR.**  
**MEETS U.S. DIVERSITY REQMT.**  
**INSTRUCTOR PERMISSION REQUIRED 1ST WEEK, PROCESS**  
**APPROVED ADD SLIP IN 10 ALUMNI HALL**  
**7207005**  
**A MW 10:00-10:50**  
**GROSS L**

**CHRISTIAN THEOLOGY**  
**REL 240X**  
**3 CR.**  
**INSTRUCTOR PERMISSION REQUIRED 1ST WEEK, PROCESS**  
**APPROVED ADD SLIP IN 10 ALUMNI HALL**  
**7247005**  
**A TR 2:10-3:30**  
**HUNTER D**

**HIST CHRISTIANITY**  
**REL 242**  
**3 CR.**  
**MEETS INTERNATIONAL PERSPECTIVES REQMT.**  
**INSTRUCTOR PERMISSION REQUIRED 1ST WEEK, PROCESS**  
**APPROVED ADD SLIP IN 10 ALUMNI HALL**  
**6247005**  
**A TR 9:30-10:50**  
**SAWYER M**  
**SEC A RESTRICTED TO FRESHMEN & SOPHOMORES ONLY.**

**AMER INDIAN RELIGNS**  
**REL 328**  
**3 CR.**  
**MEETS U.S. DIVERSITY REQMT.**  
**AVAILABLE FOR NONMAJOR GRADUATE CREDIT.**  
**7207005**  
**A MW 10:00-10:50**  
**GROSS L**

**MAGIC, WITCHC, & RELIG**  
**REL 340**  
**3 CR.**  
**PREREQ:** ANTHR 201 OR 306  
**MEETS INTERNATIONAL PERSPECTIVES REQMT.**  
**INSTRUCTOR PERMISSION REQUIRED 1ST WEEK, PROCESS**  
**APPROVED ADD SLIP IN 10 ALUMNI HALL**  
**6198005**  
**A TR 9:30-10:50**  
**ILAHIANE H**

**ISLAMIC CIVILIZATN**  
**REL 354**  
**3 CR.**  
**MEETS INTERNATIONAL PERSPECTIVES REQMT.**  
**AVAILABLE FOR NONMAJOR GRADUATE CREDIT.**  
**1904000**  
**A MW 4:10-5:30**  
**BAUM R**

**RELIGION & POLITICS**  
**REL 370**  
**3 CR.**  
**PREREQ:** 105 OR 210 RECOMMENDED  
**AVAILABLE FOR NONMAJOR GRADUATE CREDIT.**  
**3165005**  
**A MW 4:10-5:30**  
**SEC A RESTRICTED TO POL S MAJORS ONLY.**  
**3165010**  
**B MW 4:10-5:30**  
**SEC B FOR MAJORS OTHER THAN POL S.**

**RELIGN&AG SUSTAINBL**  
**REL 372X**  
**3 CR.**  
**COURSE IS RESTRICTED TO FRESHMAN & SOPHOMORES AVAILABLE FOR NONMAJOR GRADUATE CREDIT.**  
**7360005**  
**A TR 2:10-3:30**  
**SANFORD A**

**THEORY&METHD R STDI**  
**REL 385**  
**3 CR.**  
**PREREQ:** 105  
**AVAILABLE FOR NONMAJOR GRADUATE CREDIT.**  
**6259005**  
**W 6:00-8:30PM**  
**BAKO-FRALICK N**

**SEM: ISS STUDY RELIG**  
**REL 475**  
**3 CR.**  
**PREREQ:** 6 CREDITS IN RELIGIOUS STUDIES  
**AVAILABLE FOR NONMAJOR GRADUATE CREDIT.**  
**6204005**  
**M 4:10-6:30PM**  
**SAWYER M**

**INDEPENDENT STUDY**  
**RELIG 490**  
**1-3 CR.**  
**PREREQ:** 6 CR IN RELIGIOUS STUDIES, PERMISSION OF INSTRUCTOR, APPROVAL OF PROF IN CHARGE OF PROGRAM  
**NO MORE THAN 9 CREDITS OF RELIG 490 MAY BE APPLIED TOWARD GRADUATION**  
**INSTRUCTOR PERMISSION REQUIRED 1ST WEEK, PROCESS**  
**APPROVED ADD SLIP IN 10 ALUMNI HALL**  
**6259005**  
**W 6:00-8:30PM**  
**BAKO-FRALICK N**

**PEACE&JUSTIC INTERN**  
**RELIG 499**  
**1-6 CR.**  
**SATISFACTORY-FAIL ONLY.**  
**PREREQ:** 3 CREDITS IN RELIGIOUS STUDIES, PERMISSION OF FACULTY INTERNSHIP COORDINATOR  
**DEPARTMENT PERMISSION REQUIRED, PROCESS**  
**APPROVED ADD SLIP IN 10 ALUMNI HALL**  
**7740005**  
**A MW 4:10-5:30**  
**SAWYER M**

**SPL TOP RELIG STUDI**  
**RELIG 590**  
**1-3 CR.**  
**PREREQ:** PERMISSION OF INSTRUCTOR, 9 CR IN RELIG INSTRUCTOR PERMISSION REQUIRED 1ST WEEK, PROCESS  
**APPROVED ADD SLIP IN 10 ALUMNI HALL**  
**3617005**  
**ARRANGED**

**RELIGIOUS STUDIES**

**EDUCATIONAL RESEARCH**  
**RESEV 550**  
**3 CR.**  
**PREREQ:** GRADUATE CLASSIFICATION  
**6211005**  
**1 M 5:30-8:30PM**  
**PAYNE C**  
**SECTION 1 RESTRICTED TO GRADUATE STUDENTS ONLY**  
**6211010**  
**2 T 9:00-11:50**  
**HUBA M**  
**SEC 2 RESTRICTED TO GRADUATE STUDENTS IN THE EDUCATION COLLEGE. OTHER STUDENTS MUST CONTACT THE DEPARTMENT AT 294-1241.**  
**6211015**  
**3 T 5:30-9:30PM**  
**MARSHALL J**  
**S 9:00-1:00**  
**SECT 3 JAN 11- FEB 26**  
**SECTION 3 RESTRICTED TO GRADUATE STUDENTS IN THE EDUCATION COLLEGE. MEETING DATES: JAN 11, 18, 25, FEB 1, 8, 15, 22, AND MARCH 1. SAT.-JAN 29, FEB 12, 26**
RESEARCH & EVALUATION

INTMED EDUC STATIST  RESEV 553  3 CR.
  PREREQ: 552
  COURSE RESTRICTED TO EDUC MAJORS OTHER STUDENTS
  MUST CONTACT DEPARTMENT AT 294-1241.
  7684005  W 6:00-9:00PM  SHELLEY M

QUALITVE RSRCH METH  RESEV 580  3 CR.
  PREREQ: 550
  COURSE RESTRICTED TO GRADUATE STUDENTS IN THE
  EDUCATION COLLEGE.  OTHER STUDENTS MUST CONTACT
  THE DEPARTMENT AT 294-1241.
  4059005  1 W 6:00-9:00PM  KILGORE D
  4059010  2 T 6:00-9:00PM  HAMRICK F

SPECIAL TOPICS  RESEV 590  1- 3 CR.
  PREREQ: GRADUATE STANDING
  ********  SEE DEPT FOR REFERENCE NUMBERS

PROGRAM ASSESS&EVAL  RESEV 597  3 CR.
  PREREQ: 550
  FOR HG ED STUDENTS - OTHERS BY INSTRUCTOR
  PERMISSION ONLY
  6218005  1 T 5:30-8:30PM  HUBA M
  6218010  2 M 6:00-9:00PM  CYCHOSZ C

CRIT ISS INTERP MTH  RESEV 680  3 CR.
  PREREQ: 580
  4564005  W 6:00-9:00PM  BLOOM L

ADV SPECIAL TOPICS  RESEV 690  1- 3 CR.
  PREREQ:GRADUATE STANDING
  ********  SEE DEPT FOR REFERENCE NUMBERS

RESEARCH  RESEV 699  VAR.  CR.
  PREREQ:GRADUATE STANDING
  ********  SEE DEPT FOR REFERENCE NUMBERS

RUSSIAN

RUSSIAN INTERNSHIP  RUS 499  1- 3 CR.
  SATISFACTORY-FAIL ONLY.
  PREREQ: 9 CREDITS OF RUSSIAN AT THE 300 LEVEL;
  PERMISSION OF ADVISER AND FOREIGN LANGUAGE AND
  LITERATURE INTERNSHIP COORDINATOR
  DEPARTMENT PERMISSION REQUIRED, PROCESS
  APPROVED ADD SLIP IN 10 ALUMNI HALL
  ********  SEE DEPT FOR REFERENCE NUMBERS

SERBO-CROATIAN

ELEM SERBO-CROAT II  SERBC 102X  4 CR.
  PREREQ: 101X OR PERMISSION OF INSTRUCTOR
  INSTRUCTION RECEIVED VIA ELECTRONIC TECHNOLOGY,
  PLUS EXTENSIVE USE OF DIGITAL MATERIALS/INTERNET.
  MEETS INTERNATIONAL PERSPECTIVES REQMT.
  7765005  MWF 11:00-11:50  ARRANGED

SOCIOLOGY

SOCIOLOGY ORIENTATN  SOC 115  R CR.
  SATISFACTORY-FAIL ONLY.
  6345005  A MW 9:00-9:50  SECT A:JAN 10-MARCH 4

RURAL INSTIT&ORGANZ  SOC 130  3 CR.
  CREDIT FOR EITHER SOC 130 OR SOC 134, BUT NOT
  BOTH, MAY BE APPLIED TOWARD GRADUATION
  6319005  1 TR 9:30-10:50

INTRO TO SOCIOLOGY  SOC 134  3 CR.
  NIGHT EXAMINATIONS SCHEDULED.
  CREDIT FOR EITHER SOC 130 OR SOC 134, BUT NOT
  BOTH, MAY BE APPLIED TOWARD GRADUATION
  6346005  1 TR 10:00-10:50
  6346010  2 TR 10:00-10:50
  6346015  3 TR 10:00-10:50
  6346020  4 TR 10:00-10:50
  6346025  5 TR 10:00-10:50
  6346030  6 TR 10:00-10:50
  6346035  7 TR 10:00-10:50
  6346040  8 TR 10:00-10:50
  6346045  9 TR 10:00-10:50
  6346050  10 TR 10:00-10:50
  6346055  11 TR 10:00-10:50
  6346060  12 TR 10:00-10:50
  6346065  13 TR 10:00-10:50
  6346070  14 TR 10:00-10:50
  6346075  15 TR 10:00-10:50
  6346080  16 MWF 10:00-10:50
SOCIOLOGY

INTRO TO SOCIOLOGY    SOC   134      3 CR.
6346085  17 MWF 11:00-11:50

INTR RESEARCH METHD SOC   202      3 CR.
PREREQ: 130 OR 134, CR OR ENROLLMENT IN STAT 101
4735005  A1 TR 11:00-12:20
MAJORS ONLY
4735010  A2 TR 11:00-12:20

INTR RESEARCH METHD SOC   202      3 CR.
PREREQ: 130 OR 134, CR OR ENROLLMENT IN STAT 101
4735005  A1 TR 11:00-12:20

INTIMATE RELATNSHIP SOC   219      3 CR.
PREREQ: 130 OR 134
6349005   A TR 12:40-2:00
6349010   B TR 9:30-10:50

SOCIAL PROBLEMS SOC   235      3 CR.
PREREQ: 130 OR 134
6347005   1 MWF 2:10-3:00

SMALL GROUP DYNAMCS SOC   264      3 CR.
PREREQ: 130 OR 134
6351005   A TR 12:40-2:00

ADV RESEARCH METHDS SOC   302      3 CR.
PREREQ: 202; STAT 101
COUSEN RESTRICTED TO SOC & P S A MAJORS.
6354005   A TR 9:30-10:50
6354010   B TR 11:00-12:20

SOC PSYCH;SOC PERSP SOC   305      3 CR.
PREREQ: 130 OR 134
SECTIONS A1,B1,C1 RESTRICTED TO SOC, P S A
MAJORS ONLY. SECTIONS A2,B2,C2 FOR ALL OTHER MAJORS.
6355005   A1 MWF 10:00-10:50
6355010   A2 MWF 10:00-10:50
6355015   B1 TR 2:10-3:30
6355020   B2 TR 2:10-3:30
6355025   C1 TR 3:40-5:00
6355030   C2 TR 3:40-5:00

COMMUNITY SOC   310      3 CR.
PREREQ: 130 OR 134
6321005   A MWF 9:00-9:50

AGRI IN TRANSITION SOC   325      3 CR.
6322005   A TR 11:00-12:20

SEX & GENDER IN SOCIE SOC   327      3 CR.
PREREQ: 130, 134, OR W S 201
SEC A1,B1,C1 RESTRICTED TO SOC, P S A, W S.
SEC A2,B2,C2 FOR MAJORS OTHER THAN SOC, P S A, W S.
MEETS U.S. DIVERSITY REQMT.
6356005   A1 MWF 11:00-11:50
6356010   A2 MWF 11:00-11:50
6356015   B1 M 6:00-9:00PM
6356020   B2 M 6:00-9:00PM
6356025   C1 MWF 1:10-2:00
6356030   C2 MWF 1:10-2:00

LATINO EXP IN U.S. SOC   332      3 CR.
PREREQ: 130 OR 134
MEETS U.S. DIVERSITY REQMT.
1669005   A MWF 11:00-11:50

DEVIANT & CRIM BEHAV SOC   340      3 CR.
PREREQ: 130 OR 134
6358005   A M 6:00-9:00PM

CRIMINOLOGY SOC   341      3 CR.
PREREQ: 130 OR 134
4718005   A MWF 9:00-9:50

SOCIOLOGY OF WORK SOC   380      3 CR.
PREREQ: 130 OR 134
SEC A1,B1 RESTRICTED TO SOC MAJORS. SEC A2,B2
FOR MAJORS OTHER THAN SOC.
6362005   A1 TR 11:00-12:20
6362010   A2 TR 11:00-12:20
6362015   B1 TR 12:40-2:00
6362020   B2 TR 12:40-2:00

ENVIRONMENTAL SOCIOL SOC   382      3 CR.
PREREQ: 130, 134, OR ENV S 201
7713005   A1 TR 8:00-9:20
7713010   A2 TR 8:00-9:20

SocioLOGY
SOCIOLOGY

CONTEM SOC THEORIES SOC 401 3 CR.
PREREQ: 9 CREDITS IN SOC
AVAILABLE FOR NON-MAJOR GRADUATE CREDIT.
6365005 A MWF 1:10-2:00
6365010 B TR 11:00-12:20

SOC CHNGE DEV CNTRI SOC 411 3 CR.
PREREQ: 130 OR 134 PLUS 3 CR IN SOC SCIENCES
MEETS INTERNATIONAL PERSPECTIVES REQMT.
AVAILABLE FOR NON-MAJOR GRADUATE CREDIT.
6323005 A W 6:00-9:00PM

FIELD OBSERV & PRAC SOC 454A 1-12 CR.
SATISFACTORY-FAIL ONLY.
PREREQ: JR/SR CLASSIFICATION; PERMISSION OF
FACULTY INTERNSHIP COORDINATOR; MAJOR OR MINOR IN
SOCIOLOGY OR PSA OR 201, 302, 305
NOT MORE THAN 12 CREDITS OF FIELD EXPERIENCE
(SOC 454 & 460) MAY BE APPLIED TOWARD MEETING THE
REQUIRED 45 CREDITS OF UPPER LEVEL COURSES AND THE
TOTAL OF 124.5 CREDITS REQUIRED FOR GRADUATION.
NO CREDITS IN SOC 454 MAY BE USED TO SATISFY MINIMUM
SOCIOLOGY REQUIREMENTS FOR THE SOCIOLOGY MAJOR.
******* SEE DEPT FOR REFERENCE NUMBERS

FIELD OBSERV--RURAL. SOC 454B 1-12 CR.
SATISFACTORY-FAIL ONLY.
PREREQ: JR/SR CLASSIFICATION; PERMISSION OF
FACULTY INTERNSHIP COORDINATOR; MAJOR OR MINOR IN
SOCIOLOGY OR PSA OR 201, 302, 305
NOT MORE THAN 12 CREDITS OF FIELD EXPERIENCE
(SOC 454 & 460) MAY BE APPLIED TOWARD MEETING THE
REQUIRED 45 CREDITS OF UPPER LEVEL COURSES AND THE
TOTAL OF 124.5 CREDITS REQUIRED FOR GRADUATION.
NO CREDITS IN SOC 454 MAY BE USED TO SATISFY MINIMUM
SOCIOLOGY REQUIREMENTS FOR THE SOCIOLOGY MAJOR.
******* SEE DEPT FOR REFERENCE NUMBERS

CRIM & JUV JUST PRAC SOC 460 3-12 CR.
SATISFACTORY-FAIL ONLY.
PREREQ: JR/SR CLASSIFICATION; PERMISSION OF
FACULTY INTERNSHIP COORDINATOR; MAJOR OR MINOR IN
SOCIOLOGY OR PSA OR 201, 302, 305
NOT MORE THAN 12 CREDITS OF FIELD EXPERIENCE
(SOC 454 & 460) MAY BE APPLIED TOWARD MEETING THE
REQUIRED 45 CREDITS OF UPPER LEVEL COURSES AND THE
TOTAL OF 124.5 CREDITS REQUIRED FOR GRADUATION.
NO CREDITS IN SOC 460 MAY BE USED TO SATISFY MINIMUM
SOCIOLOGY REQUIREMENTS FOR THE SOCIOLOGY MAJOR.
******* SEE DEPT FOR REFERENCE NUMBERS

COMM ACTION & LDRSHP SOC 464 3 CR.
PREREQ: 6 CREDITS IN SOC
6327005 A MWF 11:00-11:50

SOC OF THE FAMILY SOC 485 3 CR.
PREREQ: 6 CREDITS IN SOC
6379005 A TR 9:30-10:50

INDEP STUDY GEN SOC SOC 490A 1-3 CR.
PREREQ: 6 CR IN SOC AND PERMISSION OF INSTRUCTOR
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

IND STUDY RURAL SOC SOC 490B 1-3 CR.
PREREQ: 6 CR IN SOC AND INSTRUCTOR PERMISSION
STUDENTS IN THE COLLEGE OF AGRICULTURE MAY
APPLY NO MORE THAN 6 CREDITS OF SOC 490 TOWARD
THE TOTAL OF 128 CREDITS REQUIRED FOR GRADUATION.
STUDENTS IN THE LAS COLLEGE MAY APPLY NO MORE THAN
9 CREDITS OF SOC 490 TOWARD GRADUATION.
******* SEE DEPT FOR REFERENCE NUMBERS

INDEP STUDY HONORS SOC 490H 1-3 CR.
PREREQ: 6 CR IN SOC AND PERMISSION OF INSTRUCTOR,
MEMBERSHIP IN UNIV HONORS PROGRAM
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

ATTITUDE CHANGE SOC 522 3 CR.
PREREQ: 305 OR PSYCH 280
6385005 A MWF 2:10-3:30

RACIAL & ETHNIC INEQUALITY SOC 529 3 CR.
PREREQ: 6 CREDITS IN SOC
6388005 A S 8:30-5:00 FLORA C

URBAN SOCIOLOGY SOC 535 3 CR.
PREREQ: 6 CREDITS IN SOCIAL SCIENCES
6391005 A T 6:00-9:00PM

POLITICAL SOCIOLOGY SOC 566 3 CR.
PREREQ: 6 CREDITS IN SOC AND/OR POL S
6398005 A W 5:10-8:00PM

ISSUE CRIME & JUSTICE SOC 584 3 CR.
PREREQ: 6 CREDITS IN SOC
5306005 A M 6:00-9:00PM

SPL TOPICS GEN SOC SOC 590A 1-3 CR.
PREREQ: 6 CR IN SOC; SR OR GRADUATE CLASSIFICATION
******* SEE DEPT FOR REFERENCE NUMBERS

SPL TOP RURAL SOC SOC 590B 1-3 CR.
PREREQ: 6 CR IN SOC; SR OR GRADUATE CLASSIFICATION
******* SEE DEPT FOR REFERENCE NUMBERS

MASTERS RES GEN SOC SOC 599A VAR. CR.
******* SEE DEPT FOR REFERENCE NUMBERS

MASTERS RES RURAL SOC SOC 599B VAR. CR.
******* SEE DEPT FOR REFERENCE NUMBERS
**SOCIETY**

**CONTEMP SOC THEORY**  SOC  607  3 CR.
PREREQ: 6 GRAD CREDITS IN SOC
6413005  A1 MW 3:40-5:00
SECTION A1 FOR SOC MAJORS ONLY
6413010  A2 MW 3:40-5:00
SECTION A2 FOR MAJORS OTHER THAN SOC

**SOC&TCH SUS FOOD SY**  SOC  610  3 CR.
PREREQ: 509
COURSE RESTRICTED TO GRADUATE STUDENTS ONLY
7637005  TR 9:30-10:50

**RESEARCH GENERL SOC**  SOC  699A  VAR.  CR.
*******  SEE DEPT FOR REFERENCE NUMBERS

**RESEARCH RURAL SOC**  SOC  699B  VAR.  CR.
*******  SEE DEPT FOR REFERENCE NUMBERS

**SPANISH**

**ELEM SPANISH II**  SPAN  102  4 CR.
PREREQ: 101 OR 97
STUDENTS WHO HAVE COMPLETED 3 OR MORE YRS OF HIGH SCHOOL SPANISH MAY NOT ENROLL IN 102. ONLY ONE OF SPAN 110, SPAN 160, OR THE SPAN 101-102 SEQUENCE MAY BE APPLIED TOWARD GRADUATION.
MATERIALS AND EQUIPMENT USE FEE $20.00
MEETS INTERNATIONAL PERSPECTIVES REQMT.
6474005  1 MTWRF 9:00-9:50
6474010  2 MTWRF 10:00-10:50
6474015  3 MTWRF 11:00-11:50
6474020  4 MTWRF 12:10-1:00
6474045  5 MTWRF 1:10-2:00
6474055  6 MTWRF 2:10-3:00
6474065  7 MTWRF 3:10-4:00

**INTERMED SPANISH II**  SPAN  202  4 CR.
PREREQ: 201
MATERIALS AND EQUIPMENT USE FEE $20.00
MEETS INTERNATIONAL PERSPECTIVES REQMT.
6478005  1 MTWRF 9:00-9:50
6478010  2 MTWRF 10:00-10:50
6478015  3 MTWRF 11:00-11:50
6478020  4 MTWRF 12:10-1:00
6478025  5 MTWRF 1:10-2:00
6478030  6 MTWRF 2:10-3:00
6478035  7 MTWRF 3:10-4:00

**GRAMMAR & COMPOSITN**  SPAN  301  3 CR.
PREREQ: 202 OR 4 YEARS OF HIGH SCHOOL SPANISH
MATERIALS AND EQUIPMENT USE FEE $20.00
6479005  1 MWF 11:00-11:50
6479010  2 MWF 12:10-1:00
6479015  3 TR 9:30-10:50

**CONVERS THRU CULTUR**  SPAN  303A  3 CR.
PREREQ: 202 OR 4 YEARS OF HIGH SCHOOL SPANISH
MATERIALS AND EQUIPMENT USE FEE $20.00
6142005  1 MWF 1:10-2:00
6142010  2 MWF 12:10-1:00
6142015  3 TR 2:10-3:25

**SPANISH - CIVILIZAT**  SPAN  322  3 CR.
PREREQ: 301, 303, 320 OR 326
MEETS INTERNATIONAL PERSPECTIVES REQMT.
6484005  1 MWF 2:10-3:00

**SPAN LIT 1700-PRES**  SPAN  331  3 CR.
PREREQ: 314
MEETS INTERNATIONAL PERSPECTIVES REQMT.
AVAILABLE FOR NONMAJOR GRADUATE CREDIT.
6486005  1 TR 2:10-3:25

**SURVY SPAN AMER LIT**  SPAN  332  3 CR.
PREREQ: 314
MEETS INTERNATIONAL PERSPECTIVES REQMT.
AVAILABLE FOR NONMAJOR GRADUATE CREDIT.
6487005  1 MWF 10:00-10:50

**H PCES - ENG TRANS**  SPAN  370  3 CR.
PREREQ: SOPHOMORE CLASSIFICATION
TOPIC: LATIN AMERICAN FANTASTIC LITERATURE
MEETS INTERNATIONAL PERSPECTIVES REQMT.
6488005  1 TR 11:00-12:20

**INDEPENDENT STUDY**  SPAN  490  1-6 CR.
PREREQ: 6 CR IN SPANISH; PERMISSION OF DEPT CHAIR
NO MORE THAN 9 CREDITS IN SPAN 490 MAY BE APPLIED TOWARD GRADUATION
PERMISSION OF DEPARTMENT CHAIR REQUIRED, PROCESS APPROVED ADD SLIP IN 10 ALUMNI HALL
*******  SEE DEPT FOR REFERENCE NUMBERS
SPANISH

SPANISH INTERNSHIP     SPAN 499     1- 3 CR.
SATISFACTORY-FAIL ONLY.
PREREQ: 9 CREDITS OF SPAN AT 300 LEVEL; PERMISSION OF ADVISER AND FLL INTERNSHIP COORDINATOR
DEPARTMENT PERMISSION REQUIRED, PROCESS
APPROVED ADD SLIP IN 10 ALUMNI HALL

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

SPECIAL EDUCATION

EXCEPTIONAL LEARNER     SP ED 250     3 CR.
PREREQ: 204
MEETS U.S. DIVERSITY REQMT.
DEPARTMENT PERMISSION REQUIRED 1ST WEEK, PROCESS
APPROVED ADD SLIP IN 10 ALUMNI HALL
6452005     1 MWF 1:10-2:00

CLSRM ASSMT DIVERSE     SP ED 355     2 CR.
PREREQ: CONCURRENT ENROLLMENT IN 455, C I 433, 438, 439, 468G, 468I
CONCURRENT ENROLLMENT IN C I 433, 438, 439, 468G, 468I, SP ED 455. REGISTER FOR THE SAME
SECTION NUMBERS.
4385005     1 W 6:00-8:30PM
NO MEETINGS FEB 14-MARCH 11

CLSRM ASSESMT SP ED     SP ED 365     4 CR.
PREREQ: 330
DEPARTMENT PERMISSION REQUIRED 1ST WEEK, PROCESS
APPROVED ADD SLIP IN 10 ALUMNI HALL
6454005     1 TR 6:00-8:00PM

LITRCY IN PRIMRY GR     SP ED 368     1 CR.
PREREQ: CONCURRENT ENROLLMENT IN C I 367, 468F
CONCURRENT ENROLLMENT IN C I 377
4085005     M 8:00-9:15
NO MEETINGS MARCH 21-APRIL 15

SUPV STUDNT TEACHNG     SP ED 415     VAR. CR.
PREREQ: FULL ADMISSION TO TEACHER EDUCATION, SENIOR CLASSIFICATION, 355, 455. RESERVATION
REQUIRED
PROFESSIONAL SUPPORT FEE $100.00
4398005     ARRANGED

SUPV STUDENT TEACHG     SP ED 416     VAR. CR.
PREREQ: FULL ADMISSION TO TEACHER EDUC, SENIOR
CLASSIFICATION, STUDENT IN EL ED SECTION, 330,365, 436,439,457; C I 280,478. RESERVATION REQUIRED
PROFESSIONAL SUPPORT FEE $100.00
DEPARTMENT PERMISSION REQUIRED 1ST WEEK, PROCESS
APPROVED ADD SLIP IN 10 ALUMNI HALL
3286005     ARRANGED

METH MULTICAT INSTR     SP ED 436     3 CR.
PREREQ: 245, CONCURRENT ENROLLMENT IN 365, 459
1884005     W 9:00-12:00

INSTR MTH DIVRS PRI     SP ED 455     2 CR.
PREREQ: CONCURRENT ENROLLMENT 355; C I 433, 438, 439, 468G, 468I
CONCURRENT ENROLLMENT IN C I 433, 438, 439, 468G, 468I, SP ED 355. REGISTER FOR THE SAME
SECTION NUMBERS.
6848005     1 MW 10:00-11:15
NO MEETINGS FEB 14-MARCH 11

SPECIAL EDUCATION

FLD EXP MILD DISABL     SP ED 459     1 CR.
SATISFACTORY-FAIL ONLY.
PREREQ: CONCURRENT ENROLLMT IN 365, 436
PROFESSIONAL SUPPORT AND FIELD TRIPS & TRAVEL FEE $50.00
1883005     M 7:30-12:30
SECT 1: FEB 14-APRIL 11

INDEPENDENT STUDY     SP ED 490     1- 5 CR.
PREREQ: 12 CR IN EL ED, PERMISSION OF DEPT HEAD
DEPARTMENT PERMISSION REQUIRED 1ST WEEK, PROCESS
APPROVED ADD SLIP IN 10 ALUMNI HALL

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

INTRO BEHAV DISORDR     SP ED 503     1 CR.
PREREQ: TEACHING LICENSE; TAKEN CONCURRENTLY
WITH 504 AND 505
6463005     M 6:00-9:00PM

INTRO LEARN DISABIL     SP ED 504     1 CR.
PREREQ: TEACHING LICENSE; TAKEN CONCURRENTLY
WITH 503 AND 505
6467005     M 6:00-9:00PM

INTR MULTICAT INSTR     SP ED 505     1 CR.
PREREQ: TEACHING LICENSE; TAKEN CONCURRENTLY
WITH 503, 504
4157005     M 6:00-9:00PM

INTV BEHAV DIS CHLD     SP ED 512     2 CR.
PREREQ: TEACHING LICENSE; CONCURRENT ENROLLMENT
IN 513 OR 514
6464005     W 6:00-9:00PM

INTV BEHAV DIS ELEM     SP ED 513     1 CR.
PREREQ: TEACHING LICENSE; CONCURRENT ENRLT IN 512
TAKE CONCURRENTLY WITH 513 OR 514
8494005     W 6:00-9:00PM

INTV BEHAV DIS SEC     SP ED 514     1 CR.
PREREQ: TEACHING LICENSE; CONCURRENT ENRLT IN 512
TAKE CONCURRENTLY WITH 512
8496005     W 6:00-9:00PM

TCHG STRAT LRNG DIS     SP ED 541     2 CR.
PREREQ: 504; CONCURRENT ENROLLMENT IN 542 OR 543
TAKE CONCURRENTLY WITH SP ED 542 OR 543
6468005     T 6:00-9:00PM

TCHG ELEM LEARN DIS     SP ED 542     1 CR.
PREREQ: CONCURRENT ENROLLMENT IN 541
TAKE CONCURRENTLY WITH SP ED 541
8500005     T 6:00-9:00PM

TCH SECND LEARN DIS     SP ED 543     1 CR.
PREREQ: CONCURRENT ENROLLMENT IN 541
TAKE CONCURRENTLY WITH SP ED 541
8501005     T 6:00-9:00PM
SPECIAL EDUCATION

SPECIAL TOPICS       SP ED 590   1- 5 CR.
PREREQ: 15 CRS IN EDUC; PERMISSION OF DEPT CHAIR
********     SEE DEPT FOR REFERENCE NUMBERS

PLD EXP LRN DIS, EL  SP ED 591A  1- 6 CR.
PREREQ: 15 GRAD CREDITS IN SPECIAL AREA;
ADMISSION TO THE GRAD PROGRAM IN SPECIAL EDUCATION
RESTRICTED TO STUDENTS ADMITTED TO C I MAJOR
PROFESSIONAL SUPPORT AND FIELD TRIPS & TRAVEL FEE $25.00
********     SEE DEPT FOR REFERENCE NUMBERS

PLD EXP LRN DIS, SEC SP ED 591B  1- 6 CR.
PREREQ: 15 GRAD CREDITS IN SPECIAL AREA;
ADMISSION TO THE GRAD PROGRAM IN SPECIAL EDUCATION
RESTRICTED TO STUDENTS ADMITTED TO C I MAJOR
PROFESSIONAL SUPPORT AND FIELD TRIPS & TRAVEL FEE $25.00
********     SEE DEPT FOR REFERENCE NUMBERS

FLD EXP MLD BEHV, EL SP ED 591C  1- 6 CR.
PREREQ: 15 GRAD CREDITS IN SPECIAL AREA;
ADMISSION TO THE GRAD PROGRAM IN SPECIAL EDUCATION
RESTRICTED TO STUDENTS ADMITTED TO C I MAJOR
PROFESSIONAL SUPPORT AND FIELD TRIPS & TRAVEL FEE $25.00
********     SEE DEPT FOR REFERENCE NUMBERS

FLD EXP MLD BEH, SEC SP ED 591D  1- 6 CR.
PREREQ: 15 GRAD CREDITS IN SPECIAL AREA;
ADMISSION TO THE GRAD PROGRAM IN SPECIAL EDUCATION
RESTRICTED TO STUDENTS ADMITTED TO C I MAJOR
PROFESSIONAL SUPPORT AND FIELD TRIPS & TRAVEL FEE $25.00
********     SEE DEPT FOR REFERENCE NUMBERS

FLD EXP SEV BEHV, EL SP ED 591E  1- 6 CR.
PREREQ: 15 GRAD CREDITS IN SPECIAL AREA;
ADMISSION TO THE GRAD PROGRAM IN SPECIAL EDUCATION
RESTRICTED TO STUDENTS ADMITTED TO C I MAJOR
PROFESSIONAL SUPPORT AND FIELD TRIPS & TRAVEL FEE $25.00
********     SEE DEPT FOR REFERENCE NUMBERS

FLD EXP SEV BEH, SEC SP ED 591F  1- 6 CR.
PREREQ: 15 GRAD CREDITS IN SPECIAL AREA;
ADMISSION TO THE GRAD PROGRAM IN SPECIAL EDUCATION
RESTRICTED TO STUDENTS ADMITTED TO C I MAJOR
PROFESSIONAL SUPPORT AND FIELD TRIPS & TRAVEL FEE $25.00
********     SEE DEPT FOR REFERENCE NUMBERS

FLD EXP MULTICAT EL SP ED 591G  1- 6 CR.
PREREQ: 15 GRAD CREDITS IN SPECIAL AREA;
ADMISSION TO THE GRAD PROGRAM IN SPECIAL EDUCATION
RESTRICTED TO STUDENTS ADMITTED TO C I MAJOR
PROFESSIONAL SUPPORT AND FIELD TRIPS & TRAVEL FEE $25.00
********     SEE DEPT FOR REFERENCE NUMBERS

FLD EXP MULTICAT SEC SP ED 591H  1- 6 CR.
PREREQ: 15 GRAD CREDITS IN SPECIAL AREA;
ADMISSION TO THE GRAD PROGRAM IN SPECIAL EDUCATION
RESTRICTED TO STUDENTS ADMITTED TO C I MAJOR
PROFESSIONAL SUPPORT AND FIELD TRIPS & TRAVEL FEE $25.00
********     SEE DEPT FOR REFERENCE NUMBERS

CREATIVE COMPONENT    SP ED 599   1- 5 CR.
PREREQ: 15 CREDITS IN EDUCATION
********     SEE DEPT FOR REFERENCE NUMBERS

RESEARCH              SP ED 699  VAR.  CR.
PREREQ: 15 CREDITS IN EDUCATION
********     SEE DEPT FOR REFERENCE NUMBERS

SPEECH COMMUNICATION

LISTENING            SP CM 110      3 CR.
6418005   A MWF 12:10-1:00

FUND PUBLIC SPEAKING SP CM 212      3 CR.
LECTURE AND LAB MEET ON ALTERNATING SCHEDULE TO BE ANNOUNCED IN FIRST DAY LECTURE. ATTEND LECTURE THE FIRST DAY. LECTURE IS THE SECOND TIME LISTED. IGNORE TIME CONFLICT BETWEEN LECTURE AND LAB.

PLD EXP MULTICT SCI EL SP ED 591I  1- 6 CR.
PREREQ: 15 GRADUATE CREDITS IN SPECIAL AREA;
ADMISSION TO THE GRAD PROGRAM IN SPECIAL EDUCATION
RESTRICTED TO STUDENTS ADMITTED TO C I MAJOR
PROFESSIONAL SUPPORT AND FIELD TRIPS & TRAVEL FEE $25.00
********     SEE DEPT FOR REFERENCE NUMBERS
SPEECH COMMUNICATION

FUND PUBLIC SPEAKING SP CM 212 3 CR.
8643080 13 MWF 2:10-3:00
8643085 14 MWF 2:10-3:00
8643090 15 MWF 9:00-9:50
8643095 16 MWF 10:00-10:50
8643100 17 MWF 11:00-11:50
8643105 18 MWF 11:00-11:50
8643110 19 MWF 12:10-1:00
8643115 20 MWF 12:10-1:00
8643120 21 MWF 1:10-2:00
8643125 22 MWF 1:10-2:00
8643130 23 MWF 3:10-4:00
8643135 24 MWF 3:10-4:00
8643140 25 MWF 3:10-4:00
8643145 26 MWF 3:10-4:00
8643150 27 MWF 3:10-4:00

INTERCOLLEG DEBATE SP CM 223 1 CR.
PREREQ: PERMISSION OF INSTRUCTOR
6424005 ARRANGED

SPECIAL PROJECTS SP CM 290 1-2 CR.
PREREQ: 3 CR IN SP CM; PERMISSION OF DEPT CHAIR
NO MORE THAN 4 CREDITS OF SP CM 290 MAY BE
APPLIED TOWARD GRADUATION
DEPARTMENT PERMISSION REQUIRED, PROCESS
APPROVED ADD SLIP IN 10 ALUMNI HALL
******* SEE DEPT FOR REFERENCE NUMBERS

SEMANTICS SP CM 305 3 CR.
PREREQ: ENGL 105
AVAILABLE FOR NONMAJOR GRADUATE CREDIT.
6427005 A1 TR 2:10-3:25
SECTION A1 RESTRICTED TO SP CM MAJORS
8643005 A2 TR 9:30-10:50
SECTION A2 RESTRICTED TO MAJORS OTHER THAN SP CM

BUSINESS & PRO SPEAKING SP CM 312 3 CR.
PREREQ: 212
SECT A1, B1 RESTRICTED TO SP CM MAJORS ONLY.
SECT A2, B2 RESTRICTED TO MAJORS OTHER THAN SP CM.
6429005 A1 TR 2:10-3:00
6429010 A2 TR 2:10-3:00
6429015 B1 TR 11:00-12:20
6429020 B2 TR 11:00-12:20

COMMUNICATION

COMM FOR CLSRM TCHR SP CM 313 3 CR.
PREREQ: 212
6430005 A1 TR 9:30-10:50
SECTION A1 RESTRICTED TO SP CM MAJORS
6430010 A2 TR 9:30-10:50
SECTION A2 FOR MAJORS OTHER THAN SP CM

GENDER & COMMUNICATION SP CM 323 3 CR.
PREREQ: 212
MEETS U.S. DIVERSITY REQMT.
AVAILABLE FOR NONMAJOR GRADUATE CREDIT.
2640005 TR 11:00-12:20

NONVERBAL COMMUNICATION SP CM 325 3 CR.
COURSE RESTRICTED TO COMST MAJORS ONLY
3196005 1 TR 8:00-9:20

PERSUASION SP CM 327 3 CR.
PREREQ: 212
SECT A1, B1 RESTRICTED TO SP CM MAJORS ONLY
SECT A2, B2 FOR MAJORS OTHER THAN SP CM
AVAILABLE FOR NONMAJOR GRADUATE CREDIT.
6437005 A1 MWF 11:00-11:50
6437010 A2 MWF 11:00-11:50
6437015 B1 MW 2:10-3:00
6437020 B2 MW 2:10-3:00

RHETORICAL CRITICISM SP CM 412 3 CR.
PREREQ: 212 AND 6 CREDITS IN SPEECH COMMUNICATION
AVAILABLE FOR NONMAJOR GRADUATE CREDIT.
4529005 MWF 10:00-10:50

INDEPENDENT STUDY SP CM 490 1-3 CR.
PREREQ: 18 CREDITS IN SP CM, JUNIOR CLASSIFICATION,
PERMISSION OF DEPT. CHAIR
PERMISSION OF RAY DEARIN REQUIRED TO ADD.
PROCESS APPROVED ADD SLIP IN 10 ALUMNI HALL.
NO MORE THAN 9 CREDITS OF SP CM 490 MAY BE APPLIED
TOWARD GRADUATION.
DEPARTMENT PERMISSION REQUIRED, PROCESS
APPROVED ADD SLIP IN 10 ALUMNI HALL
******* SEE DEPT FOR REFERENCE NUMBERS

DIRECT SPEECH ACTIVITY SP CM 495A 1 CR.
PREREQ: C I 301; 9 CR IN SP CM; MINIMUM GPA
OF 2.5 IN SP CM COURSES
6445005 ARRANGED
INSTRUCTOR PERMISSION REQUIRED, PROCESS
APPROVED ADD SLIP IN 10 ALUMNI HALL

COMMUNIC INTERNSHIP SP CM 499 1-3 CR.
PREREQ: 18 CR IN SP CM COURSES, OTHER COURSES
ADVISER DEEMS APPROPRIATE; 2ND SEMESTER JR OR SR
STANDING; CUM GPA OF AT LEAST 2.5 OVERALL & 3.0
IN SP CM; PERMISSION OF THE INTERNSHIP COMMITTEE
NO MORE THAN 6 INTERNSHIP CREDITS MAY BE COUNTED
TOWARD DEGREE REQUIREMENTS
******* SEE DEPT FOR REFERENCE NUMBERS
SPRING 2005     Last Updated 09-17-2004

SPEECH COMMUNICATION

SPECIAL TOPICS        SP CM 590  1- 4 CR.
PREREQ: PERMISSION OF DEPARTMENT CHAIR
*******     SEE DEPT FOR REFERENCE NUMBERS

STATISTICS

PRIN OF STATISTICS    STAT  101      4 CR.
PREREQ: 1 &1/2 YRS OF H S ALGEBRA
COURSE NOT OPEN TO BUSINESS COLLEGE MAJORS.
CREDIT FOR ONLY ONE OF THE FOLLOWING MAY BE
INSTRUCTOR PERMISSION REQUIRED 1ST WEEK, PROCESS
APPROVED ADD SLIP IN 10 ALUMNI HALL
6502005     A MWF 9:00-9:50
        M 2:10-4:00
6502010     B MWF 9:00-9:50
        M 4:10-6:00PM
6502015     C MWF 10:00-10:50
        T 2:10-4:00
6502020     D MWF 10:00-10:50
        T 4:10-6:00PM
6502025     E MWF 11:00-11:50
        W 2:10-4:00
6502030     F MWF 11:00-11:50
        W 4:10-6:00PM
6502035     G MWF 1:10-2:00
        T 12:10-2:00
6502040     H MWF 1:10-2:00
        R 2:10-4:00
6502045     J MWF 1:10-2:00
        T 12:10-2:00
6502060     M MWF 8:00-8:50
        W 12:10-2:00
6502065     N MWF 8:00-8:50
        R 10:00-11:50

INTRO TO STATISTICS STAT 104  3 CR.
PREREQ: 1 & 1/2 YRS OF H S ALGEBRA
CREDIT FOR ONLY ONE OF THE FOLLOWING MAY BE
INSTRUCTOR PERMISSION REQUIRED 1ST WEEK, PROCESS
APPROVED ADD SLIP IN 10 ALUMNI HALL
6503015     C TR 1:10-2:00
6503020     D TR 2:10-3:00
6503025     E TR 9:00-9:50
6503030     F TR 8:00-8:50
6503035     G TR 8:00-8:50

INSTRUCTOR PERMISSION REQUIRED 1ST WEEK, PROCESS
APPROVED ADD SLIP IN 10 ALUMNI HALL
3975005     A TR 9:30-10:50
3975010     B TR 9:30-10:50
3975015     C TR 2:10-3:30
3975020     D TR 2:10-3:30
3975025     E TR 3:40-5:00

PROB&INFERNC, ENGRS STAT 231  4 CR.
PREREQ: CREDIT OR ENROLLMENT IN MATH 265
INSTRUCTOR PERMISSION REQUIRED 1ST WEEK, PROCESS
APPROVED ADD SLIP IN 10 ALUMNI HALL
6507005     MTRF 12:10-1:00

ENGINEERING STAT  STAT 305  3 CR.
PREREQ: MATH 165 (OR 165H)
SECTIONS A & B RESTRICTED TO COLLEGE OF
ENGINEERING STUDENTS ONLY. CREDIT FOR EITHER STAT
105
6509005     A TR 12:40-2:00
6509010     B TR 3:40-5:00
6509015     C TR 9:30-10:50
6509020     D TR 12:40-2:00

INSTRUCTOR PERMISSION REQUIRED 1ST WEEK, PROCESS
APPROVED ADD SLIP IN 10 ALUMNI HALL
6510005     A MF 11:00-11:50
6510010     B MF 11:00-11:50
6510015     C MF 11:00-11:50
6510020     D MF 11:00-11:50
6510025     E MF 11:00-11:50

INSTR BUSINES STAT II   STAT 326  3 CR.
PREREQ: 226
6510005     A MF 11:00-11:50
6510010     B MF 11:00-11:50
6510015     C MF 11:00-11:50
6510020     D MF 11:00-11:50
6510025     E MF 11:00-11:50
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<thead>
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<th>Prerequisites</th>
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<tr>
<td>STAT 330</td>
<td>Probability &amp; Statistics</td>
<td>3 CR.</td>
<td>MATH 166</td>
</tr>
<tr>
<td>STAT 341</td>
<td>Introductory Probability &amp; Stats I</td>
<td>3 CR.</td>
<td>MATH 265 (OR 265H)</td>
</tr>
<tr>
<td>STAT 342</td>
<td>Introductory Probability &amp; Stats II</td>
<td>3 CR.</td>
<td>MATH 307 OR 317</td>
</tr>
<tr>
<td>STAT 361</td>
<td>Statistical Assumptions</td>
<td>3 CR.</td>
<td>MATH 231 OR 401</td>
</tr>
<tr>
<td>STAT 401</td>
<td>Statistical Methods</td>
<td>4 CR.</td>
<td>MATH 151 AND INST PERMISSION, OR MATH 265</td>
</tr>
<tr>
<td>STAT 415</td>
<td>Applied Multivariate Methods</td>
<td>3 CR.</td>
<td>MATH 166</td>
</tr>
<tr>
<td>STAT 421</td>
<td>Survey Sampling Techniques</td>
<td>3 CR.</td>
<td>MATH 231 OR 328 OR 401</td>
</tr>
<tr>
<td>STAT 447</td>
<td>Statistical Theory for Research</td>
<td>4 CR.</td>
<td>MATH 151 AND INST PERMISSION, OR MATH 265</td>
</tr>
<tr>
<td>STAT 451</td>
<td>Applied Time Series</td>
<td>3 CR.</td>
<td>MATH 231 OR 328 OR 401</td>
</tr>
<tr>
<td>STAT 480</td>
<td>Applied Statistical Computing</td>
<td>3 CR.</td>
<td>MATH 231 OR 328 OR 401</td>
</tr>
<tr>
<td>STAT 501</td>
<td>Multivariate Statistical Methods</td>
<td>3 CR.</td>
<td>MATH 500 OR 402, 447 OR 542; KNOWLEDGE OF MATRIX ALGEBRA</td>
</tr>
<tr>
<td>STAT 503</td>
<td>Exploratory Methods and Data Mining</td>
<td>3 CR.</td>
<td>MATH 401, 341 OR 447</td>
</tr>
<tr>
<td>STAT 511</td>
<td>Statistical Methods</td>
<td>3 CR.</td>
<td>MATH 500 OR 402 OR 404; 447 OR 542 AND CURRENT ENROLLMENT IN 543: KNOWLEDGE OF MATRIX ALGEBRA</td>
</tr>
<tr>
<td>Course Title</td>
<td>Code</td>
<td>Credits</td>
<td>Time</td>
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<tr>
<td><strong>STATISTICS</strong></td>
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<tr>
<td>THY&amp;APP SAMPLE SURV</td>
<td>STAT 521</td>
<td>3 CR.</td>
<td>PREREQ: 401; 447 OR 542 6535005 TR 2:10-3:30</td>
</tr>
<tr>
<td>QUAL CNTRL&amp;ENG STAT</td>
<td>STAT 531</td>
<td>3 CR.</td>
<td>PREREQ: 401; 342 OR 447 6537005 TR 3:40-5:00</td>
</tr>
<tr>
<td>STAT MOLECULAR GENET</td>
<td>STAT 537</td>
<td>3 CR.</td>
<td>PREREQ: 536 6542005 TR 3:40-5:00</td>
</tr>
<tr>
<td>THRY PROB&amp;STAT II</td>
<td>STAT 543</td>
<td>3 CR.</td>
<td>PREREQ: 542 6547005 A MWF 9:00-9:50 SECTION A RESTRICTED TO STAT MAJORS ONLY. 6547010 B MWF 10:00-10:50</td>
</tr>
<tr>
<td>BAYESIAN STATISTICS</td>
<td>STAT 544</td>
<td>3 CR.</td>
<td>PREREQ: 543 6548005 MWF 12:10-1:00</td>
</tr>
<tr>
<td>NONPARAM &amp;ASYM METH</td>
<td>STAT 546</td>
<td>3 CR.</td>
<td>PREREQ: 542 6549005 MWF 3:10-4:00</td>
</tr>
<tr>
<td>INTRO STOCHAST PROC</td>
<td>STAT 554</td>
<td>3 CR.</td>
<td>PREREQ: 542 6550005 MWF 11:00-12:20</td>
</tr>
<tr>
<td>COMPUTNL METHS STAT</td>
<td>STAT 580</td>
<td>3 CR.</td>
<td>PREREQ: 500, 542 6553005 TR 11:00-12:30</td>
</tr>
<tr>
<td>SPECL TOPICS THEORY</td>
<td>STAT 590A</td>
<td>VAR. CR.</td>
<td>PREREQ: 542 6554005 ARRANGED</td>
</tr>
<tr>
<td>SPCL TOPICS METHODS</td>
<td>STAT 590B</td>
<td>VAR. CR.</td>
<td>PREREQ: 6555005 ARRANGED</td>
</tr>
<tr>
<td>SPL TOP DESGN EXPER</td>
<td>STAT 590C</td>
<td>VAR. CR.</td>
<td>PREREQ: 6556005 ARRANGED</td>
</tr>
<tr>
<td>SPL TOP SURVEY DSIGN</td>
<td>STAT 590D</td>
<td>VAR. CR.</td>
<td>PREREQ: 6557005 ARRANGED</td>
</tr>
<tr>
<td>COOPERATIVE EDUCATN</td>
<td>STAT 598</td>
<td>R CR.</td>
<td>PREREQ: PERMISSION OF THE DEPARTMENT CHAIR 4153002 ARRANGED</td>
</tr>
<tr>
<td>ADV EXPERIMENT DSIGN</td>
<td>STAT 612</td>
<td>3 CR.</td>
<td>PREREQ: 512 6562005 TR 9:30-10:50</td>
</tr>
<tr>
<td>ADV THRY ST INFERNC</td>
<td>STAT 643</td>
<td>4 CR.</td>
<td>PREREQ: 543, 642 6566005 MWF 1:10-2:00</td>
</tr>
<tr>
<td><strong>SUSTAINABLE AGRICULTURE</strong></td>
<td></td>
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</tr>
<tr>
<td>SPECIAL TOPICS</td>
<td>SUSAG 590</td>
<td>1-3 CR.</td>
<td>PREREQ: GRAD CLASSIFICATION, INSTRUCTOR PERMISSION ******* SEE DEPT FOR REFERENCE NUMBERS</td>
</tr>
<tr>
<td>CREATIVE COMPONENT</td>
<td>SUSAG 599</td>
<td>VAR. CR.</td>
<td>******* SEE DEPT FOR REFERENCE NUMBERS</td>
</tr>
<tr>
<td>SUSTAINB AG COLLOQU</td>
<td>SUSAG 600</td>
<td>1 CR.</td>
<td>PREREQ: 5035005 W 3:30-5:00</td>
</tr>
<tr>
<td>SOC&amp;TCH SUS FOOD SY</td>
<td>SUSAG 610</td>
<td>3 CR.</td>
<td>PREREQ: 509 5047005 TR 9:30-10:50</td>
</tr>
<tr>
<td><strong>TECHNOLOGY &amp; SOCIAL CHANGE</strong></td>
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</tr>
<tr>
<td>WORLD FOOD ISSUES</td>
<td>T SC 342</td>
<td>3 CR.</td>
<td>MEETS INTERNATIONAL PERSPECTIVES REQMT. AVAILABLE FOR NONMAJOR GRADUATE CREDIT. 5256005 1 TR 11:00-12:20 ZDORKOWSKI G 5256010 2 MWF 11:00-11:50 FORD C</td>
</tr>
<tr>
<td>PHIL OF TECHNOLOGY</td>
<td>T SC 343</td>
<td>3 CR.</td>
<td>PREREQ: 6 CREDITS OF SOCIAL SCIENCE, OR T SC 341 AND 3 CREDITS OF SOCIAL SCIENCE AVAILABLE FOR NONMAJOR GRADUATE CREDIT. 5211005 A TR 9:30-10:50 BELKNAP B 5211010 B MWF 9:00-9:50</td>
</tr>
</tbody>
</table>
**TECHNOLOGY & SOCIAL CHANGE**

INDIEPENDENT STUDY T SC 490 VAR. CR.
PREREQ: 341, PERMISSION OF INSTRCTR & T SC COORD
PERMISSION OF T SC COORDINATOR REQUIRED. PROCESS APPROVED ADD SLIP IN 10 ALUMNI HALL.
PERMISSION OF COORDINATOR REQUIRED.
****** SEE DEPT FOR REFERENCE NUMBERS

SPL TOP: TCH & SOC CHG T SC 590F VAR. CR.
PREREQ: 541, PERMISSION OF INSTRCTR & T SC COORD
PERMISSION OF COORDINATOR REQUIRED, PROCESS APPROVED ADD SLIP IN 10 ALUMNI HALL
****** SEE DEPT FOR REFERENCE NUMBERS

**TEXTILES & CLOTHING**

LEARING COMM SEMINR T C 101X 1 CR.
PREREQ: LEARNING COMMUNITY COORDINATOR PERMISSION
COURSE RESTRICTED TO T C AND AMDP MAJORS ONLY
MATERIALS AND FIELD TRIPS & TRAVEL FEE $0.00-$40.00
6260005 1 F 12:10-1:00, ARRANGED
SECT 1: JANUARY 1-MARCH 4
6260010 2 MW 12:10-1:00
SECT 2: MARCH 7-MAY 6

APPARL ASSEMBL PROC T C 121 3 CR.
COURSE RESTRICTED TO AMDP MAJORS ONLY
INSTRUCTOR PERMISSION REQUIRED 1ST WEEK, PROCESS APPROVED ADD SLIP IN 10 ALUMNI HALL
6602005 1 M 8:00-9:50
TR 8:00-9:50
6602010 2 M 8:00-9:50
TR 1:10-3:00
6602015 3 M 8:00-9:50
WF 8:00-9:50

INTRO APPAREL DEVEL T C 131 3 CR.
SECTNS 1A, 2A, ETC. RESTRICTED TO AMDP MAJORS ONLY.
SECTIONS 1B, 2B, ETC. FOR MAJORS OTHER THAN AMDP.
MATERIALS AND FIELD TRIPS & TRAVEL FEE $0.00-$40.00
8338005 1A MW 2:10-3:00
W 3:10-5:00
SECTION 1A RESERVED FOR CT LEARNING
COMMUNITY
8338010 1B MW 2:10-3:00
W 3:10-5:00
SECTION 1B RESERVED FOR CT LEARNING
COMMUNITY
8338015 2A MW 2:10-3:00
R 8:00-9:50
8338020 2B MW 2:10-3:00
R 8:00-9:50
8338025 3A MW 2:10-3:00
R 4:10-6:00PM
8338030 3B MW 2:10-3:00
R 4:10-6:00PM
8338035 4A MW 2:10-3:00
F 1:10-3:00
8338040 4B MW 2:10-3:00
F 1:10-3:00

TEXTILES SCIENCE I T C 204 4 CR.
PREREQ: SOPHOMORE STANDING
COURSE RESTRICTED TO AMDP, ARTID, FCEDS, T C MAJORS
MATERIALS FEE $15.00
6604005 1 ARRANGED, MW 2:10-3:30
SECTION 1 OFFERED FOR 4 CREDITS
6604010 2 ARRANGED, TR 8:00-9:30
SECTION 2 OFFERED FOR 4 CREDITS
6604015 3 ARRANGED, TR 2:10-3:30
SECTION 3 OFFERED FOR 4 CREDITS
6604030 4 ARRANGED, TR 3:30-5:00
6604035 5 ARRANGED, MW 3:30-5:00
6604040 6 ARRANGED
MW 10:00-11:30

PATTERNMAKING I T C 225 4 CR.
PREREQ: 121, 131; 204 RECOMMENDED; INSTRUCTOR PERMISSION
MATERIALS FEE $12.00-$80.00
6607005 1 MF 10:00-11:50
INSTRUCTOR PERMISSION REQUIRED, PROCESS APPROVED ADD SLIP IN 10 ALUMNI HALL
6607010 2 MF 12:10-2:00
INSTRUCTOR PERMISSION REQUIRED, PROCESS APPROVED ADD SLIP IN 10 ALUMNI HALL

APPAREL MANUFACTRNG T C 231 4 CR.
PREREQ: 204, 131
MATERIALS AND FIELD TRIPS & TRAVEL FEE $10.00-$75.00
6608005 1 MF 12:10-1:00
R 10:00-11:50
6608010 2 MF 12:10-1:00
R 12:10-2:00

FASHION SHOW PRODUC T C 271X 1-2 CR.
PREREQ: 3 CREDITS IN T C OR INSTRUCTOR PERMISSION
6261005 W 6:00-8:00PM
ARRANGED
INSTRUCTOR PERMISSION REQUIRED, PROCESS APPROVED ADD SLIP IN 10 ALUMNI HALL

FASHION ILLUSTRATN T C 278 3 CR.
PREREQ: 131, 245, ART 108 OR 130
MATERIALS FEE $20.00
INSTRUCTOR PERMISSION REQUIRED, PROCESS APPROVED ADD SLIP IN 10 ALUMNI HALL

CPTR INTEGRAT DSIGN T C 321 3 CR.
PREREQ: 245L; 278 RECOMMENDED
MATERIALS FEE $15.00-$80.00
INSTRUCTOR PERMISSION REQUIRED, PROCESS APPROVED ADD SLIP IN 10 ALUMNI HALL
6605005 MF 8:00-9:50

PATTERNMAKING II T C 325 3 CR.
PREREQ: 204, 225; 278 RECOMMENDED
MATERIALS FEE $0.00-$80.00
INSTRUCTOR PERMISSION REQUIRED, PROCESS APPROVED ADD SLIP IN 10 ALUMNI HALL
7199005 1 TR 10:00-1:00
7199010 2 MT 6:00-9:00PM
TEXTILES & CLOTHING

APPARL PRODUCTN MGT  T C  331  3 CR.
PREREQ: 231, COM S 103, T C 121 RECOMMENDED
FIELD TRIPS & TRAVEL FEE $0.00-$60.00
6618005  1 M 2:10-4:00
            W 2:10-5:00
AESTHETC OF EVERYDY  T C  342  3 CR.
MEETS U.S. DIVERSITY REQMT.
7318005  1A MWF 11:00-11:50
SECTION 1A RESTRICTED TO HRI & FCEDS MAJORS ONLY
7318010  1B MWF 11:00-11:50
SECTION 1B RESTRICTED TO T C MAJORS ONLY
CULTUR PERSPCT CLTH  T C  362  3 CR.
PREREQ: 165 OR 3 CREDITS IN ANTHR, PSYCH, OR SOC MEETS INTERNATIONAL PERSPECTIVES REQMT.
6622005  1A TR 2:10-3:30
SECTION 1A RESTRICTED TO T C MAJORS ONLY
6622010  1B TR 2:10-3:30
SECTION 1B RESTRICTED TO MAJORS OTHER THAN T C
MERCHANTISING  T C  375  3 CR.
PREREQ: 165; 3 CREDITS IN MATH; JR CLASSIFICATION
6624005  1 TR 12:40-2:00
MERCHANTISING ANALYS T C  375L  1- 3 CR.
PREREQ: CREDIT OR ENR IN 375; ACCT 284, COM S 103 COURSE RESTRICTED TO AMDP MAJORS ONLY
MATERIALS AND FIELD TRIPS & TRAVEL FEE $0.00-$80.00
7018005  1 ARRANGED
SECT 1:MARCH 7-MAY 6
MERC PLAN& CONTROL  T C  376  3 CR.
PREREQ: 375
6625005  MWF 12:10-2:00
            JAN 10-MARCH 4
FIELD STUDY  T C  380  2 CR.
PREREQ: 9 CR IN T C, JR CLASSIF. PREREQ: 9 CR IN T C, JR CLASSIF. PREREQ: 9 CR IN T C, JR CLASSIF. PERMISNR BY APPLIC INSTRUCTOR PERMISSION REQUIRED, PROCESS APPROVED ADD SLIP IN 10 ALUMNI HALL
******* SEE DEPT FOR REFERENCE NUMBERS
SEMINAR CURRENT ISS  T C  411  1- 3 CR.
PREREQ: SR CLASSIFICATION, 12 CR IN T C COURSE IS OFFERED FOR 1 CREDIT SPRING 2005 MATERIALS AND PROFESSIONAL SUPPORT FEE $0.00-$40.00
7664005  T 6:00-8:00PM
FASHION SHOW MANAGE T C  471X  1- 2 CR.
PREREQ: 3 CREDITS IN T C AND PERMISSION OF INSTRUCTOR
6269005  W 6:00-8:00PM
INSTRUCTOR PERMISSION REQUIRED, PROCESS APPROVED ADD SLIP IN 10 ALUMNI HALL
ENTREPRENEURSHIP FCS  T C  474  3 CR.
PREREQ: 6 CREDITS IN T C AT 300-LEVEL OR ABOVE FIELD TRIPS & TRAVEL FEE $0.00-$10.00
5194005  R 6:00-8:30PM

TEXTILES & CLOTHING

IND STD TEXTILE SCI  T C  490A VAR. CR.
PREREQ: 6 CR IN T C, PERMISSION OF INSTRUCTOR, ADVISER AND DEPARTMENT CHAIR
******* SEE DEPT FOR REFERENCE NUMBERS
IND STD HIST TEXTIL  T C  490B VAR. CR.
PREREQ: 6 CR IN T C, PERMISSION OF INSTRUCTOR, ADVISER AND DEPARTMENT CHAIR
******* SEE DEPT FOR REFERENCE NUMBERS
IND STD TXTL&AP DSN  T C  490C VAR. CR.
PREREQ: 6 CR IN T C, PERMISSION OF INSTRUCTOR, ADVISER AND DEPARTMENT CHAIR
******* SEE DEPT FOR REFERENCE NUMBERS
IND STD ACSThetics  T C  490D VAR. CR.
PREREQ: 6 CR IN T C, PERMISSION OF INSTRUCTOR, ADVISER AND DEPARTMENT CHAIR
******* SEE DEPT FOR REFERENCE NUMBERS
IND STD SOC-PSY  T C  T C  490F VAR. CR.
PREREQ: 6 CR IN T C, PERMISSION OF INSTRUCTOR, ADVISER AND DEPARTMENT CHAIR
******* SEE DEPT FOR REFERENCE NUMBERS
INDEP STUDY HONORS  T C  490H VAR. CR.
PREREQ: 6 CR IN T C, PERMISSION OF INSTR, ADVISER AND DEPT CHAIR, MEMBERSHIP IN UNIV HONORS PROGRAM
******* SEE DEPT FOR REFERENCE NUMBERS
IND STD MERCHANDSG  T C  490I VAR. CR.
PREREQ: 6 CR IN T C, PERMISSION OF INSTRUCTOR, ADVISER AND DEPARTMENT CHAIR
******* SEE DEPT FOR REFERENCE NUMBERS
IND STD CULTR ANALY T C  490K VAR. CR.
PREREQ: 6 CR IN T C, PERMISSION OF INSTRUCTOR, ADVISER AND DEPARTMENT CHAIR
******* SEE DEPT FOR REFERENCE NUMBERS

TEXTILES & CLOTHING

IND STDY SMALL BUSI  T C  490S VAR. CR.
PREREQ: 6 CR IN T C, PERMISSION OF INSTRUCTOR, ADVISER AND DEPARTMENT CHAIR
3430026 LN ARRANGED

ADV APPAREL DESIGN  T C  495  3 CR.
PREREQ: 225, 278; 321, 325, OR 326; SR CLASSIF
MATERIALS FEE $0.00-$50.00
3914005 T 3:10-4:00
T 4:10-6:00PM
R 3:10-6:00PM

UNDERGRAD RESEARCH  T C  499  1-3 CR.
PREREQ: SENIOR CLASSIFICATION, 15 CREDITS IN T C, PERMISSION OF INSTRUCTOR, ADVISER, & DEPT CHAIR
******** SEE DEPT FOR REFERENCE NUMBERS

TEXTILE SCIENCE II  T C  504  3 CR.
PREREQ: 204, 245; ONE NATURAL SCIENCE COURSE
MATERIALS FEE $15.00
6647005 TR 8:00-9:20

PRACTCM TXTL&CLOTHG  T C  570  1-3 CR.
PREREQ: 510, 6 GRAD CREDITS IN T C, PERMISSION BY APPLICATION
6660005 ARRANGED

SPL TOP TEXTILE SCI  T C  590A VAR. CR.
PREREQ: PERMISSION OF DEPT CHAIR & INSTRUCTOR
******** SEE DEPT FOR REFERENCE NUMBERS

SPL TOP HIST TEXTIL  T C  590B VAR. CR.
PREREQ: PERMISSION OF DEPT CHAIR & INSTRUCTOR
******** SEE DEPT FOR REFERENCE NUMBERS

SPL TOP TXTL&AP DSN  T C  590C VAR. CR.
PREREQ: PERMISSION OF DEPT CHAIR & INSTRUCTOR
******** SEE DEPT FOR REFERENCE NUMBERS

SPL TOP AESTHETICS  T C  590D VAR. CR.
PREREQ: PERMISSION OF DEPT CHAIR & INSTRUCTOR
******** SEE DEPT FOR REFERENCE NUMBERS

SPL TOP HIST COSTUM  T C  590E VAR. CR.
PREREQ: PERMISSION OF DEPT CHAIR & INSTRUCTOR
******** SEE DEPT FOR REFERENCE NUMBERS

SPL TOP SOC-PSY ASP  T C  590F VAR. CR.
PREREQ: PERMISSION OF DEPT CHAIR & INSTRUCTOR
******** SEE DEPT FOR REFERENCE NUMBERS

SPL TOP CONSMR BEHV  T C  590G VAR. CR.
PREREQ: PERMISSION OF DEPT CHAIR & INSTRUCTOR
******** SEE DEPT FOR REFERENCE NUMBERS

SP TOP CULTUR ANALY  T C  590K VAR. CR.
PREREQ: PERMISSION OF DEPT CHAIR & INSTRUCTOR
******** SEE DEPT FOR REFERENCE NUMBERS

THEATRE

INTR PERFORMNG ARTS  THTRE 106  3 CR.
6729005 A MWF 2:10-3:00
6729010 B MWF 9:00-9:50

THEATRE AND SOCIETY  THTRE 110  3 CR.
1103005 TR 9:30-10:50

THE ACTOR'S VOICE  THTRE 151  3 CR.
COURSE RESTRICTED TO PERF MAJORS ONLY
6730005 TR 11:00-12:20

CONCERT&THTRE DANCE  THTRE 224 .5-2 CR.
SATISFACTORY-FAIL ONLY.
PREREQ: BY AUDITION ONLY
INSTRUCTOR PERMISSION REQUIRED 1ST WEEK, PROCESS APPROVED ADD SLIP IN 10 ALUMNI HALL
6731005 1 ARRANGED
SECTION 1 OFFERED FOR .5 CREDIT ONLY
6731010 2 ARRANGED
SECTION 2 OFFERED FOR 1 CREDIT ONLY
6731015 3 ARRANGED
SECTION 3 OFFERED FOR 2 CREDITS ONLY
THEATRE

THEATRE PRACTICUM       THTRE 250      1- 2 CR.
SATISFACTORY-FAIL ONLY.
PREREQ: PERMISSION OF INSTRUCTOR
6732005     M 5:10-6:00PM
           ARRANGED

ACTING I               THTRE 251      3 CR.
6733005     A MWF 11:00-11:50
6733010     B TR 9:30-10:50
6733015     C MWF 10:00-10:50

INTR THEATRICL PROD   THTRE 255      4 CR.
6734005     A MWF 9:00-9:50
           M 2:10-5:00
6734010     B MWF 9:00-9:50
           W 2:10-5:00
6734015     C MWF 9:00-9:50
           R 2:10-5:00
6734020     D MWF 9:00-9:50
           F 2:10-5:00

SCRIPT ANALYSIS       THTRE 263      3 CR.
6763005     TR 9:30-10:50

SPECIAL PROJECTS      THTRE 290      1- 3 CR.
PREREQ: 3 CREDITS IN THEATRE; PERMISSION OF INSTRUCTOR; APPROVAL OF WRITTEN PROPOSAL
INSTRUCTOR PERMISSION REQUIRED, PROCESS APPROVED ADD SLIP IN 10 ALUMNI HALL
******     SEE DEPT FOR REFERENCE NUMBERS

ACTING II             THTRE 351      3 CR.
PREREQ: 251, DANCE 120 RECOMMENDED
6737005     1 TR 12:40-2:00

MUSICAL THEATRE II   THTRE 355      3 CR.
PREREQ: 354
3132005     TR 2:10-3:30, ARRANGED

STAGECRAFT           THTRE 360      4 CR.
PREREQ: 255
6742005     TR 9:30-10:50
           ARRANGED

THEATRICL DESIGN II  THTRE 366      3 CR.
PREREQ: 365
7920005     TR 11:00-12:20
           ARRANGED

DIRECTING II          THTRE 456      3 CR.
PREREQ: 455
1116005     W 2:10-5:00

THEATRC DESIGN STDO  THTRE 461      4 CR.
PREREQ: PERMISSION OF INSTRUCTOR
6743005     MWF 10:00-10:50
           F 11:00-11:50
           ARRANGED

HIST OF THEATRE II   THTRE 466      3 CR.
PREREQ: 465
AVAILABLE FOR NONMAJOR GRADUATE CREDIT.
6749005     MWF 1:10-2:00

THEATRE

ADV THTRE PRACTICUM   THTRE 469      1- 3 CR.
PREREQ: 9 CR IN THEATRE COURSES, JR CLASSIFICATION
******     SEE DEPT FOR REFERENCE NUMBERS

INDEPENDENT STUDY THTRE 490      1- 3 CR.
PREREQ: 9 CREDITS IN THEATRE, APPROVED WRITTEN PROPOSAL, JUNIOR CLASSIFICATION
NO MORE THAN 9 CREDITS OF THTRE 490 MAY BE APPLIED TOWARD GRADUATION
PERMISSION OF DEPARTMENT CHAIR REQUIRED,
PROCESS APPROVED ADD SLIP IN 10 ALUMNI HALL
******     SEE DEPT FOR REFERENCE NUMBERS

THEATRE INTERNSHIP   THTRE 499      1- 8 CR.
PREREQ: 18 CR IN THEATRE, OTHER COURSES DEEMED APPROPRIATE BY FACULTY ADVISER; 2ND SEMESTER JUNIOR OR SENIOR STANDING; CUM GPA OF AT LEAST 2.50 OVERALL AND 3.00 IN THEATRE COURSES
******     SEE DEPT FOR REFERENCE NUMBERS

SPECIAL TOPICS       THTRE 590      1- 4 CR.
PREREQ: APPROVED WRITTEN PROPOSAL,
PERMISSION OF DEPARTMENT CHAIR REQUIRED,
PROCESS APPROVED ADD SLIP IN 10 ALUMNI HALL
******     SEE DEPT FOR REFERENCE NUMBERS

TOXICOLOGY

TOXICOLOGY SEMINAR   TOX 504      1 CR.
PREREQ: PERMISSION OF INSTRUCTOR
7126005     ARRANGED

VETERINARY TOXICOLOGY TOX 526      3 CR.
PREREQ: PERMISSION OF INSTRUCTOR
9010005     MTR 11:00-11:50
           OSWEILER G

CLIN &DIAGNOS TOXIC   TOX 546      1- 3 CR.
PREREQ: DVM DEGREE OR VDPAM 526
1231005     ARRANGED
           OSWEILER G

PESTICIDES IN ENVIR   TOX 550      2 CR.
PREREQ: GRADUATE CLASSIFICATION
9666005     TR 9:00-9:50

GENERAL PHARMACOLGY TOX 554      3 CR.
PREREQ: B M S 549, 552; BBMB 404, 405; CONCURRENT REGISTRATION IN B M S 555 IS REQ'D FOR GRAD STUDENTS
4499005     MWF 11:00-11:50

SPECIAL TOPICS       TOX 590      VAR.  CR.
******     SEE DEPT FOR REFERENCE NUMBERS

NATURAL TOXINS       TOX 643      3 CR.
PREREQ: COURSES IN BIOCHEM AND PHYSIOLOGY
6780005     ARRANGED

RESEARCH            TOX 699      VAR.  CR.
******     SEE DEPT FOR REFERENCE NUMBERS
TRANSPORTATION & LOGISTICS

BUSINESS LOGISTICS    TRLOG 360      3 CR.
PREREQ: ECON 101
SEC A1,A1 RESTRICTED TO ACCT, BUS S, BUS U, FIN, I BUS, MGMT, MIS, MKT, POM, TRLOG MAJORS ONLY. SEC A2,B2 FOR COLLEGES OTHER THAN BUSINESS
PERMISSION OF COLLEGE REQUIRED TO ADD DURING 1ST WEEK; GO TO 1200 GERDIN
6788005   A1 TR 12:40-2:00
6788010   A2 TR 12:40-2:00
6788015   B1 MWF 12:10-1:00
6788020   B2 MWF 12:10-1:00

ADV LOGISTICS MGT    TRLOG 460      3 CR.
PREREQ: 360 AND STAT 226
PERMISSION OF COLLEGE REQUIRED TO ADD DURING 1ST WEEK; GO TO 1200 GERDIN
6790005   A1 MW 5:10-6:25PM
6790010   A2 MW 5:10-6:25PM
SEC A1 RESTRICTED TO TRLOG MAJORS ONLY. SEC A2 RESTRICTED TO ACCT, BUS S, BUS U, MGMT, MIS, MKT, POM MAJORS ONLY.

TRANSPORT ECONOMICS    TRLOG 461      3 CR.
PREREQ: STAT 226, ECON 101
AVAILABLE FOR NONMAJOR GRADUATE CREDIT.
PERMISSION OF COLLEGE REQUIRED TO ADD DURING 1ST WEEK; GO TO 1200 GERDIN
6791005   A1 MW 1:10-2:00
6791010   A2 MW 1:10-2:00
SEC A1 RESTRICTED TO TRLOG MAJORS ONLY. SEC A2 FOR MAJORS OTHER THAN TRLOG, P BUS.

TRANSPO CARRIER MGT   TRLOG 462      3 CR.
PREREQ: CREDIT OR ENROLLMENT IN 461
AVAILABLE FOR NONMAJOR GRADUATE CREDIT.
PERMISSION OF COLLEGE REQUIRED TO ADD DURING 1ST WEEK; GO TO 1200 GERDIN
6792005   A1 MW 3:40-5:00
6792010   A2 MW 3:40-5:00
SEC A1 RESTRICTED TO TRLOG MAJORS ONLY. SEC A2 RESTRICTED TO ACCT, FIN, BUS U, BUS S, MGMT, MIS, MKT, POM MAJORS ONLY.

INT'L TRANSPORT&LOG  TRLOG 466      3 CR.
PREREQ: 360
MEETS INTERNATIONAL PERSPECTIVES REQMT.
AVAILABLE FOR NONMAJOR GRADUATE CREDIT.
PERMISSION OF COLLEGE REQUIRED TO ADD DURING 1ST WEEK; GO TO 1200 GERDIN
6793005   A1 MWF 12:10-1:00
6793010   A2 MWF 12:10-1:00
SEC A1 RESTRICTED TO TRLOG MAJORS ONLY. SEC A2 RESTRICTED TO MAJORS OTHER THAN TRLOG, P BUS.
### UNIVERSITY STUDIES

#### SPEAK FOR INT’L TA
**U ST 180A**  
3 CR.  
SATISFACTORY-FAIL ONLY.  
PREREQ: SPEAK/TEACH TESTING. NO MORE THAN ONE SECTION OF 180 MAY BE TAKEN PER SEMESTER; UP TO TWO SECTIONS TOTAL. FOR TEACHING ASSISTANTS. GET ADD SLIP SIGNED IN SPEAK/TEACH OFFICE, 201 LAB OF MECHANICS. U ST 180A DOES NOT APPLY TOWARD GRADUATION.  
**3572005** ARRANGED  
DEPARTMENT PERMISSION REQUIRED, PROCESS APPROVED ADD SLIP IN 10 ALUMNI HALL

#### ADV SPEAK FOR INT’L TA
**U ST 180C**  
3 CR.  
SATISFACTORY-FAIL ONLY.  
PREREQ: SPEAK/TEACH TESTING. NO MORE THAN ONE SECTION OF 180 MAY BE TAKEN PER SEMESTER; UP TO TWO SECTIONS TOTAL. FOR TEACHING ASSISTANTS. GET ADD SLIP SIGNED IN SPEAK/TEACH OFFICE, 201 LAB OF MECHANICS. U ST 180C DOES NOT APPLY TOWARD GRADUATION.  
**3576005** ARRANGED  
DEPARTMENT PERMISSION REQUIRED, PROCESS APPROVED ADD SLIP IN 10 ALUMNI HALL

#### PRESENTATIONS INT’L TA
**U ST 180D**  
3 CR.  
SATISFACTORY-FAIL ONLY.  
PREREQ: SPEAK/TEACH TESTING. NO MORE THAN ONE SECTION OF 180 MAY BE TAKEN PER SEMESTER; UP TO TWO SECTIONS TOTAL. FOR TEACHING ASSISTANTS. GET ADD SLIP SIGNED IN SPEAK/TEACH OFFICE, 201 LAB OF MECHANICS. U ST 180D DOES NOT APPLY TOWARD GRADUATION.  
**3577005** ARRANGED  
DEPARTMENT PERMISSION REQUIRED, PROCESS APPROVED ADD SLIP IN 10 ALUMNI HALL

#### CARVER SEM:PEER MNT
**U ST 206**  
1 CR.  
SATISFACTORY-FAIL ONLY.  
PREREQ: 106 OR PERMISSION OF INSTRUCTOR  
**4184005** 1 M 4:10-5:00  
**4184010** 2 W 4:10-5:00

#### CARVER SEM: SCHOLARS
**U ST 306**  
1 CR.  
SATISFACTORY-FAIL ONLY.  
PREREQ: 206, CUM GPA 3.00 OR INSTRUCTOR PERMISSION  
**4186005** 1 T 4:10-5:00

#### LEADERSHIP SEMINAR
**U ST 311**  
1 CR.  
SATISFACTORY-FAIL ONLY.  
PREREQ: 111, 115; SELECTION AS LEADER FOR HIXSON SEMINAR OR MVP SEMINAR  
**7281005** 1 ARRANGED  
**7281010** 2 ARRANGED

#### WORLD FOOD ISSUES
**U ST 342**  
3 CR.  
MEETS INTERNATIONAL PERSPECTIVES REQMT. AVAILABLE FOR NONMAJOR GRADUATE CREDIT.  
**6805005** 1 TR 11:00-12:20 ZZORKOWSKI G  
**6805010** 2 MWF 11:00-11:50 FORD C

#### UNIVERSITY STUDIES

#### CARVER SEMN:FELLOWS
**U ST 406**  
1 CR. SATISFACTORY-FAIL ONLY.  
PREREQ: 306, CUM GPA 3.00 OR INSTRUCTOR PERMISSION  
**4231005** 1 F 3:10-5:00

#### INDEP STD INTERNATL
**U ST 490I VAR.**  
CR.  
PREREQ: PERMISSION OF THE ASSOCIATE PROVOST, PERMISSION OF THE CHAIR OF THE INTERNATIONAL STUDIES COMMITTEE & ASSOCIATE PROVOST ARE REQUIRED. PROCESS APPROVED ADD SLIP IN 10 ALUMNI HALL.  
DEPARTMENT PERMISSION REQUIRED, PROCESS APPROVED ADD SLIP IN 10 ALUMNI HALL

#### SPL TOP: TCH & SOC CHG
**U ST 590F VAR.**  
CR.  
PREREQ: PERMISSION OF GRADUATE COLLEGE, PERMISSION OF THE CHAIR OF THE INTERNATIONAL STUDIES COMMITTEE & ASSOCIATE PROVOST ARE REQUIRED. PROCESS APPROVED ADD SLIP IN 10 ALUMNI HALL

#### VET DIAGNOSTIC & PRODUCTION AN MED

#### INT FOOD ANIML CLIN
**VDPM 311X**  
1 CR.  
PREREQ: VETERINARY MEDICINE CLASSIFICATION. MUST BE VACCINATED FOR RABIES.  
**6011005** ARRANGED  
**KERSTING K**

#### CLINICAL FNDATION I
**VDPM 340X**  
1 CR.  
SATISFACTORY-FAIL ONLY.  
**4872005** W 1:10-3:00  
**BOOTH L**

#### INTR AQUAT ANIM MED
**VDPM 401**  
1 CR.  
**5147005** T 7:00-8:50PM  
**ROTH J**  
T 7:00-8:50PM

#### POULTRY MED&DIS PRV
**VDPM 408**  
2 CR.  
PREREQ: ENROLLMENT IN COLLEGE OF VETERINARY MED  
**5607005** ARRANGED  
**TRAMPEL D**

#### PRODUCTN ANIMAL MED
**VDPM 411**  
4 CR.  
PREREQ: FOURTH-YEAR CLASSIFICATION IN V MED  
**4521005** ARRANGED  
**HOPKINS S**

#### VET PRAC ENTREPRENR
**VDPM 414**  
3 CR.  
**7216005** R 5:10-7:00PM  
**DRAPER D**

#### BOVIN REPROD EV LAB
**VDPM 416**  
1 CR.  
PREREQ: 3RD-YEAR CLASSIFICATION IN VET MED  
**5110005** A M 1:10-5:00  
**HOPKINS S**  
SECT A: JAN 10-MARCH 4  
**5110010** B W 1:10-5:00  
**HOPKINS S**  
SECT B: JAN 10-MARCH 4  
**5110015** C F 1:10-5:00  
**HOPKINS S**  
SECT C: JAN 10-MARCH 4  
**5110020** D M 1:10-5:00  
**HOPKINS S**  
SECT D: MARCH 7-MAY 6  
**5110025** E W 1:10-5:00  
**HOPKINS S**  
SECT E: MARCH 7-MAY 6  
**5110030** F F 1:10-5:00  
**HOPKINS S**  
SECT F: MARCH 7-MAY 6
VET DIAGNOSTIC & PRODUCTION AN MED

PRECPRSP V MED PRA VDPAM 420 1-6 CR.
PREREQ: 4TH-YEAR CLASSIFICATION IN VET MED
COURSE ONLY OFFERED FOR 4 CREDITS SPRING 2005
9072005 ARRANGED APLEY M

VET TOXICOLOGY VDPAM 426 3 CR.
PREREQ: 3RD-YEAR CLASSIFICATION IN VET MED
6860005 MTR 11:00-11:50 OSWEILER G

BEEF RECORDS ANALYS VDPAM 436 1 CR.
PREREQ: CLASSIFICATION IN VETERINARY MEDICINE
5627005 ARRANGED ROBBE S

DAIRY HERD PROBL ID VDPAM 437 2 CR.
PREREQ: 4TH-YEAR CLASSIFICATION IN VET MED
6425005 ARRANGED APLEY M

MILK QUALTY&MASTITS VDPAM 438 2 CR.
PREREQ: 4TH-YEAR CLASSIFICATION IN VET MED
6861005 ARRANGED APLEY M

CLINICAL MEDICIN II VDPAM 445 5 CR.
PREREQ: 3RD-YEAR CLASSIFICATION IN VET MED
6865005 MTRWF 9:00-9:50 KERSTING K

DIAGNOS LAB PRACTCM VDPAM 455 2 CR.
PREREQ: 4TH-YEAR CLASSIFICATION IN VET MED
6876005 ARRANGED YAEGER M

FOOD ANIM MED &SURG VDPAM 477 VAR. CR.
PREREQ: FOURTH-YEAR CLASSIFICATION IN V MED
PERMISSION OF INSTRUCTOR REQUIRED, PROCESS
APPROVED ADD SLIP IN 2270A VET MED
6909005 MTRWF 8:00-11:50 KERSTING K
MTWF 2:10-5:00

INTR SWINE PROD MED VDPAM 478 2 CR.
PREREQ: 4TH-YEAR CLASSIFICATION IN VET MED
5610005 MTRWF 8:00-11:50 CARR J
MTWF 2:10-5:00

SWINE PROD MD PRECP VDPAM 479 1-6 CR.
PREREQ: 478
5454005 ARRANGED CARR J

ADV SWINE PRODU MED VDPAM 480 2 CR.
PREREQ: 478
5572005 MTRWF 8:00-11:50 CARR J
MTWF 2:10-5:00

INTRO BEEF PROD MED VDPAM 481 2 CR.
PREREQ: THIRD-YEAR CLASSIFICATION IN VET MED
5601005 W 1:10-3:00 APLEY M

BEEF PROD MED PRECP VDPAM 482 1-6 CR.
PREREQ: 481
5403005 ARRANGED APLEY M

VET DIAGNOSTIC & PRODUCTION AN MED

ADV BEEF PRODUC MED VDPAM 483 2 CR.
PREREQ: 481
5562005 MTRWF 8:00-11:50 APLEY M
MTWF 2:10-5:00

DAIRY PROD MD PRECP VDPAM 485 1-6 CR.
PREREQ: 484
5431005 ARRANGED APLEY M

CLINIC MICROBIO LAB VDPAM 488 1 CR.
PREREQ: FOURTH-YEAR CLASSIFICATION IN V MED
6950005 MTRWF 8:30-11:30 KINYON J

ISSUES FOOD SAFETY VDPAM 489 1 CR.
PREREQ: CREDIT OR ENROLLMENT IN FS HN 101 OR 272
OR HRI 233; FS HN 419 OR 420; FS HN 403
8351005 MW 3:10-4:00
MARCH 7-MAY 6

INDEPENDENT STUDY VDPAM 490 1-5 CR.
PREREQ: PERMISSION OF DEPARTMENT CHAIR
PERMISSION OF INSTRUCTOR REQUIRED, PROCESS
APPROVED ADD SLIP IN 2270A VET MED
******** SEE DEPT FOR REFERENCE NUMBERS

POULTRY MED&DIS PRV VDPAM 508 2 CR.
PREREQ: GRADUATE STUDENT STATUS IN VET MED,
ANIMAL SCI, ANIMAL ECOLOGY, OR BIOLOGY
5634005 ARRANGED TRAMPEL D

VET PRAC ENTREPRENR VDPAM 514 3 CR.
PREREQ: GRADUATE VETERINARIAN
8099005 T 7:00-9:00PM DRAPER D
R 5:10-8:00PM

PRIN OF EPIDEMIOLOGY VDPAM 522 3 CR.
PREREQ: MICRO 310 OR EQUIVALENT
6895005 MWF 7:00-7:50

VETERNRY TOXICOLOGY VDPAM 526 3 CR.
PREREQ: PERMISSION OF INSTRUCTOR
COURSE RESTRICTED TO V MED GRADUATE STUDENTS ONLY
6897005 MTR 11:00-11:50 OSWEILER G

INTRO DNA TECHNIQS VDPAM 542A 1 CR.
SATISFACTORY-FAIL ONLY.
PREREQ: GRADUATE CLASSIFICATION
7389005 TR 1:10-2:00
TR 2:10-4:00
JAN 11-FEB 10

INTR PROTEIN TECHNQ VDPAM 542B 1 CR.
SATISFACTORY-FAIL ONLY.
PREREQ: GRADUATE CLASSIFICATION
7391005 TR 1:10-2:00
TR 2:10-4:00
FEB 15-MARCH 24

INTRO CELL TECHNIQS VDPAM 542C 1 CR.
SATISFACTORY-FAIL ONLY.
PREREQ: GRADUATE CLASSIFICATION
7400005 TR 1:10-2:00
TR 2:10-4:00
MARCH 29-APRIL 28
VET DIAGNOSTIC & PRODUCTION AN MED

INTR PLANT TRANSFRM VDPAM 542D 1 CR.
SATISFACTORY-FAIL ONLY.
PREREQ: GRADUATE CLASSIFICATION
7409005 ARRANGED
FEB 9-APRIL 20

CLIN &DIAGNOS TOXIC VDPAM 546 1- 3 CR.
PREREQ: DVM DEGREE OR 526
7676005 ARRANGED
OSWEILER G

POSTMORTEM DIAG LAB VDPAM 551 1- 3 CR.
SATISFACTORY-FAIL ONLY.
PREREQ: 455
4233005 ARRANGED
HALBAR P

SPECIAL TOPICS VDPAM 590 1- 3 CR.
PREREQ: PERMISSION OF INSTRUCTOR
INSTRUCTOR PERMISSION REQUIRED, PROCESS
APPROVED ADD SLIP IN 10 ALUMNI HALL
******* SEE DEPT FOR REFERENCE NUMBERS

CREATIVE COMPONENT VDPAM 599 VAR. CR.
PREREQ: ENROLLMENT IN NONTHESIS MASTER'S DEGREE PROGRAM
******* SEE DEPT FOR REFERENCE NUMBERS

ANALY MTH SWINE MED VDPAM 652 2 CR.
PREREQ: DVM DEGREE, PERMISSION OF INSTRUCTOR
6933005 ARRANGED
CARR J

ADV SWINE PROD MED VDPAM 655 1- 4 CR.
PREREQ: DVM DEGREE, PERMISSION OF INSTRUCTOR
6946005 ARRANGED
CARR J

RESEARCH VDPAM 699 VAR. CR.
******* SEE DEPT FOR REFERENCE NUMBERS

VETERINARY CLINICAL SCIENCES

SHELTER MEDICINE V C S 305X 1 CR.
PREREQ: 1ST YEAR CLASSIFICATION IN VETERINARY MEDICINE OR PERMISSION OF INSTRUCTOR
COURSE RESTRICTED TO VET MED FRESHMEN OR PERMISSION OF INSTRUCTOR
2646005 ARRANGED
Baldwin C

CLINICAL FOUNDATION I V C S 340X 1 CR.
SATISFACTORY-FAIL ONLY.
4871005 W 1:10-3:00
SEMINAR V C S 385 R CR.
SATISFACTORY-FAIL ONLY.
PREREQ: CLASSIFICATION IN VETERINARY MEDICINE
7446005 F 8:00-8:50
KLIN K

PRIN OF SURGERY V C S 397 6 CR.
PREREQ: SECOND-YEAR CLASSIFICATION IN V MED
6869005 1 MTR 8:00-9:50
Nieves M
W 3:10-5:00
6869010 2 MTR 8:00-9:50
Nieves M
W 1:10-3:00

VETERINARY CLINICAL SCIENCES

ANESTHESIOLOGY V C S 398 1 CR.
PREREQ: SECOND-YEAR CLASSIFICATION IN VET MED
3472005 W 8:00-9:50
Jackson L

OPHTHALMOLOGY V C S 399 1 CR.
PREREQ: THIRD-YEAR CLASSIFICATION IN VET MED
3476005 W 8:00-8:50
Betts D
F 11:00-11:50

ADV SMALL AN ORTHOP V C S 401 1 CR.
PREREQ: THIRD OR FOURTH-YEAR CLASSIFICATION IN V MED
6870005 MW 2:10-3:00
Wagner S
JAN 10-MARCH 4

BLDG CMPASSIONT PRA V C S 403X 1 CR.
COURSE RESTRICTED TO VET MED JUNIORS OR SENIORS
2642005 ARRANGED
FOX L

PET BIRD&EXOTIC SPEC V C S 405 2 CR.
PREREQ: CLASSIFICATION IN V MED
COURSE RESTRICTED TO COLLEGE OF VET MED SOPH, JR AND SR
6874005 ARRANGED

COMPANION AN NUTRI V C S 414 1 CR.
PREREQ: THIRD OR FOURTH-YR CLASSIFICATN IN V MED
7777005 ARRANGED
OBRIEN S
JAN 10-MARCH 4

PRECEPTORSHIP V MED V C S 419 1- 6 CR.
PREREQ: FOURTH-YEAR CLASSIFICATION IN V MED,
PERMISSION OF DEPARTMENT CHAIR
1664005 ARRANGED
REINERTSON E
PERMISSION OF INSTRUCTOR REQUIRED,
PROCESS
APPROVED ADD SLIP IN 2270A VET MED

EQUINE LAMENESS V C S 443 1- 2 CR.
PREREQ: THIRD-YEAR CLASSIFICATION IN V MED
6882005 T 12:10-1:00
BOOTH L

CLINICAL MEDICIN II V C S 445 5 CR.
PREREQ: THIRD-YEAR CLASSIFICATION IN V MED
6884005 MTWRF 9:00-9:50
KRISTING K

CLINICAL NEUROLOGY V C S 446 2 CR.
PREREQ: 4TH-YEAR CLASSIFICATION IN VET MED
5112005 MTWRF 8:00-5:00
KLIN K

RADIOLOGY V C S 448 2 CR.
PREREQ: THIRD-YEAR CLASSIFICATION IN V MED
6886005 TR 10:00-10:50
MILES K

ADV SURG NEU H SOCI V C S 451A 2 CR.
PREREQ: 397,398,399,449
MATERIALS AND EQUIPMENT USE FEE $100.00
5369005 A W 11:00-11:50
MERKLEY D
M 1:10-5:00
SECT A:MARCH 7-MAY 6
VETERINARY CLINICAL SCIENCES

ADV TRADITION SURG LAB V C S 451B 2 CR.
PREREQ: 397, 398, 399, 449
MATERIALS AND EQUIPMENT USE FEE $100.00
7005005 A W 11:00-11:50 MERKLEY D
M 1:10-5:00
SECT A: JAN 10-MARCH 4
7005010 B W 11:00-11:50 MERKLEY D
F 1:10-5:00
SECT B: JAN 10-MARCH 4
7005015 C W 11:00-11:50 MERKLEY D
M 1:10-5:00
SECT C: MARCH 7-MAY 6

CLINICL DERMATOLOGY V C S 452 2 CR.
PREREQ: FOURTH-YEAR CLASSIFICATION IN V MED
SMALL ANIMAL OPTION
1931005 MTWRF 8:00-5:00 NOXON J

SMALL ANIMAL MED I V C S 453 2 CR.
PREREQ: FOURTH-YEAR CLASSIFICATION IN V MED
6889005 MTWRF 8:00-5:00 JERGENS A

SMALL ANIMAL MED II V C S 454 2 CR.
PREREQ: FOURTH-YEAR CLASSIFICATION IN V MED
6890005 MTWRF 8:00-5:00 JERGENS A

SM AN SOFT TISS SUR V C S 455 2 CR.
PREREQ: FOURTH-YEAR CLASSIFICATION IN V MED
6891005 MTWRF 8:00-5:00 WAGNER S

SM AN ORTHOPED SURG V C S 456 2 CR.
PREREQ: FOURTH-YEAR CLASSIFICATION IN V MED
6892005 MTWRF 8:00-5:00 WAGNER S

EQUINE MEDICINE V C S 457 3-4 CR.
PREREQ: FOURTH-YEAR CLASSIFICATION IN V MED
COURSE OFFERED FOR 4 CREDITS SPRING 2005.
6893005 MTWRF 8:00-11:50 WONG D
MTWRF 2:10-5:00

EQUINE SURGERY V C S 458 3-4 CR.
PREREQ: FOURTH-YEAR CLASSIFICATION IN V MED
COURSE OFFERED FOR 4 CREDITS SPRING 2005.
6894005 MTWRF 8:00-11:50 REINERTSON E
MTWRF 2:10-5:00

SM AN OVERPOPU SURG V C S 459 2 CR.
COURSE RESTRICTED TO VET MED SENIORS
7814005 A MTWRF 8:00-5:00 MERKLEY D
OMAHA
7814010 B MTWRF 8:00-5:00 MERKLEY D
DES MOINES
7814015 C ARRANGED MERKLEY D
KANSAS CITY

RADIOLOGY V C S 460 3 CR.
PREREQ: FOURTH-YEAR CLASSIFICATION IN V MED
6896005 MTWRF 8:00-5:00 MILES K

VETERINARY CLINICAL SCIENCES

COMMUNITY PRACTICE V C S 463 2 CR.
PREREQ: FOURTH YEAR CLASSIFICATION IN VET MED
2322005 MTWRF 8:00-5:00 LANGHOLZ K
MTWRF 8:00-5:00

EQUINE FIELD SERVIC V C S 464 2 CR.
PREREQ: FOURTH-YEAR CLASSIFICATION IN V MED
4247005 MTWRF 8:00-5:00 THOMPSON L

PARRIER V C S 465 2 CR.
PREREQ: FOURTH-YEAR CLASSIFICATION IN V MED
7756005 MTWRF 8:00-5:00 WHITE D

VET ANESTHESIOLOGY V C S 466 3 CR.
PREREQ: FOURTH-YEAR CLASSIFICATION IN V MED
6898005 MTWRF 8:00-5:00 JACKSON L
MTWRF 8:00-5:00

INTENSIVE CARE V C S 468 4 CR.
PREREQ: FOURTH-YEAR CLASSIFICATION IN V MED
6900005 ARRANGED STREETER E

SPECIAL SENSES V C S 469 2 CR.
PREREQ: FOURTH-YEAR CLASSIFICATION IN V MED
6901005 MTWRF 8:00-5:00 BETTS D
MTWRF 8:00-5:00

RADIOLOGY V C S 470 VAR. CR.
PREREQ: FOURTH-YEAR CLASSIFICATION IN V MED
PERMISSION OF INSTRUCTOR REQUIRED, PROCESS APPROVED ADD SLIP IN 2270A VET MED
******** SEE DEPT FOR REFERENCE NUMBERS

ANIMAL REPRODUCTION V C S 471 VAR. CR.
PREREQ: FOURTH-YEAR CLASSIFICATION IN V MED
PERMISSION OF INSTRUCTOR REQUIRED, PROCESS APPROVED ADD SLIP IN 2270A VET MED
******** SEE DEPT FOR REFERENCE NUMBERS

SMALL ANIMAL MED V C S 472 VAR. CR.
PREREQ: FOURTH-YEAR CLASSIFICATION IN V MED
PERMISSION OF INSTRUCTOR REQUIRED, PROCESS APPROVED ADD SLIP IN 2270A VET MED
******** SEE DEPT FOR REFERENCE NUMBERS

SMALL ANIM SURGERY V C S 473 VAR. CR.
PREREQ: FOURTH-YEAR CLASSIFICATION IN V MED
PERMISSION OF INSTRUCTOR REQUIRED, PROCESS APPROVED ADD SLIP IN 2270A VET MED
******** SEE DEPT FOR REFERENCE NUMBERS

EQUINE MED & SURGERY V C S 474 VAR. CR.
PREREQ: FOURTH-YEAR CLASSIFICATION IN V MED
PERMISSION OF INSTRUCTOR REQUIRED, PROCESS APPROVED ADD SLIP IN 2270A VET MED
******** SEE DEPT FOR REFERENCE NUMBERS

VET ANESTHESIOLOGY V C S 476 VAR. CR.
PREREQ: FOURTH-YEAR CLASSIFICATION IN V MED
PERMISSION OF INSTRUCTOR REQUIRED, PROCESS APPROVED ADD SLIP IN 2270A VET MED
******** SEE DEPT FOR REFERENCE NUMBERS
VETERINARY MEDICINE

VET IN SOCIETY II  V MED 312X  R CR.
SATISFACTORY-FAIL ONLY.
PREREQ: VM1 STATUS
7993005  F 8:00-8:50

VET IN SOCIETY IV  V MED 314X  1 CR.
2360005  M 10:00-10:50

INT'L PRECEPTORSHIP  V MED 403  1-12 CR.
PREREQ: SECOND-YEAR CLASSIFICATION IN V MED
7266005  ARRANGED

ORIENTATN INT'L EXP  V MED 404  1 CR.
PREREQ: CLASSIFICATION IN VET MED
6971005  ARRANGED

VETERINARY MICROBIOLOGY & PREV MED

CASE STUDY IV  V MPM 378  2 CR.
PREREQ: 2ND-YEAR CLASSIFICATION IN VET MED
6744005  TR 1:10-3:00  HOLLAND M

VETERINARY IMMUNOLGY  V MPM 380  2 CR.
PREREQ: FIRST-YEAR CLASSIFICATION IN V MED
6941010  1 MTF 1:10-2:00  ROTH J
6941015  2 MTF 1:10-2:00

VETERINARY VIROLOGY  V MPM 387  3 CR.
PREREQ: SECOND-YEAR CLASSIFICATION IN V MED
6943010  1 MWR 10:00-10:50  PLATT K
### VETERINARY MICROBIOLOGY & PREV MED

<table>
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<tr>
<th>Course</th>
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<th>Time</th>
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<td><strong>PUBLIC HEALTH</strong></td>
<td>3 CR.</td>
<td>DAVIS R</td>
<td>TR 11:00-11:50</td>
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<td><strong>TOPICS VET HISTORY</strong></td>
<td>1 CR.</td>
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<td>1 MW 12:10-1:00</td>
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<td><strong>INFEC DIS&amp;PREVN MED</strong></td>
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<td>GRIFFITH R</td>
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<tr>
<td><strong>PUBLIC HEALTH LAB</strong></td>
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<td><strong>PRO PRACTC RESEARCH</strong></td>
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### PRO PRAC INTEL PROP
- CR: .5
- Instructor: DAVIS R
- Time: ARRANGED
- Location: 4766005

### PRO LIFE SCIETHICS
- CR: .5
- Instructor: ARRANGED
- Time: 4779005

### PRO PLNT BREED ETHC
- CR: .5
- Instructor: ARRANGED
- Time: 4785005

### IMMUNOLOGY
- CR: 3
- Time: 5606005

### ANIMAL VIROLOGY
- CR: 4
- Instructor: ARRANGED
- Time: 7950005

### PRO PRAC INTEL PROP
- CR: .5
- Instructor: ARRANGED
- Time: 7951005

### PRO LIFE SCIETHICS
- CR: .5
- Instructor: ARRANGED
- Time: 7951005

### PRO PLNT BREED ETHC
- CR: .5
- Instructor: ARRANGED
- Time: 7951005

### SPECIAL TOPICS
- CR: 1-5
- Instructor: ARRANGED
- Time: 7307005

### MCDB SEMINAR
- CR: 1-2
- Instructor: ARRANGED
- Time: 7082005

### CREATIVE COMPONENT
- CR: VAR.
- Instructor: ARRANGED
- Time: 7307115

### MECHNSM BACT PATHOG
- CR: 4
- Instructor: ARRANGED
- Time: 6963005

### CURR TOPICS IMMUNOL
- CR: 1-3
- Instructor: ARRANGED
- Time: 4337005

### CURR TOP INFECT DIS
- CR: 1-3
- Instructor: ARRANGED
- Time: 4372005
VETERINARY PATHOLOGY

GENERAL PATHOLOGY  V PTH 342  2 CR.
PREREQ: FIRST-YEAR CLASSIFICATION IN VET MED
COURSE RESTRICTED TO COLLEGE OF V MED STUDENTS
7445005  1 MTR 1:10-2:00  MYERS R
W 1:10-3:00  MYERS R
SECT 1:MARCH 7-MAY 6
7445010  2 MTR 1:10-2:00  MYERS R
W 3:10-5:00  MYERS R
SECT 2:MARCH 7-MAY 6

CLIN PATH INTERPRET  V PTH 408  1 CR.
PREREQ: 425
COURSE RESTRICTED TO JUNIORS IN VET MED.
7315005  ARRANGED  ANDREASEN C

INTRO VET CYTOLOGY  V PTH 409  1 CR.
PREREQ: 2ND OR 3RD YEAR CLASSIFICATION IN V MED
8991005  W 12:10-1:00  JARVINEN J

SPECIAL PATHOLOGY  V PTH 422  4 CR.
PREREQ: 372
7003010  1 MWF 10:00-10:50  MYERS R
TR 1:10-3:00  MYERS R
7003015  2 MWF 10:00-10:50  MYERS R
TR 3:10-5:00  MYERS R

NECROPSY LAB PRACT  V PTH 456  1 CR.
PREREQ: FOURTH-YEAR CLASSIFICATION IN V MED
7007005  MTWRF 1:10-5:00  PALES-WILLIAMS A
S 10:00-11:50  PALES-WILLIAMS A

CLIN PATH LAB PRACT  V PTH 457  1 CR.
PREREQ: FOURTH-YEAR CLASSIFICATION IN V MED
7008005  MTWRF 8:00-11:50  ANDREASEN C
MTWRF 1:10-5:00  ANDREASEN C

INDEPENDENT STUDY  V PTH 490  VAR. CR.
PREREQ: PERMISSION OF INSTRUCTOR & DEPT CHAIR
PERMISSION OF INSTRUCTOR REQUIRED, PROCESS
APPROVED ADD SLIP IN 2270A VET MED
*******  SEE DEPT FOR REFERENCE NUMBERS

GENERAL PATHOLOGY  V PTH 542  2 CR.
PREREQ: GRAD CLASSIF & B M S 330,332, OR ZOOL 322
COURSE RESTRICTED TO V MED GRADUATE STUDENTS ONLY
7015005  1 MTR 1:10-2:00  MYERS R
W 1:10-3:00  MYERS R
SECT 1:MARCH 7-MAY 6
7015010  2 MTR 1:10-2:00  MYERS R
W 3:10-5:00  MYERS R
SECT 2:MARCH 7-MAY 6

DIAGN PARASITOL LAB  V PTH 548  1- 3 CR.
PREREQ: 376 OR 576
9669005  ARRANGED  JARVINEN J

VETERINARY PATHOLOGY

CLIN PATHOLOGY LAB  V PTH 549  1 CR.
SATISFACTORY-FAIL ONLY.
PREREQ: 457
7037005  ARRANGED  ANDREASEN C
DEPARTMENT PERMISSION REQUIRED, PROCESS
APPROVED ADD SLIP IN 10 ALUMNI HALL

SURGICAL PATHOLOGY  V PTH 550  1- 3 CR.
SATISFACTORY-FAIL ONLY.
PREREQ: 422, 570 OR 571
7479005  ARRANGED  HAYNES J

POSTMORT VET PATHOL  V PTH 551A  1- 3 CR.
SATISFACTORY-FAIL ONLY.
PREREQ: 542 OR 422
7038005  MTWRF 1:10-5:00  SORDEN S
S 10:00-11:50  SORDEN S

SPL TOP VET PATHOL  V PTH 590A  1- 4 CR.
PREREQ: PERMISSION OF INSTRUCTOR
*******  SEE DEPT FOR REFERENCE NUMBERS

SPL TOP VET PARASIT  V PTH 590B  1- 4 CR.
PREREQ: PERMISSION OF INSTRUCTOR
INSTRUCTOR PERMISSION REQUIRED, PROCESS
APPROVED ADD SLIP IN 10 ALUMNI HALL
*******  SEE DEPT FOR REFERENCE NUMBERS

SP TOP VET CLIN PTH  V PTH 590D  1- 4 CR.
PREREQ: PERMISSION OF INSTRUCTOR
INSTRUCTOR PERMISSION REQUIRED, PROCESS
APPROVED ADD SLIP IN 10 ALUMNI HALL
*******  SEE DEPT FOR REFERENCE NUMBERS

PATHOL CASE SEMINAR  V PTH 604  1- 2 CR.
SATISFACTORY-FAIL ONLY.
7027005  R 12:10-1:00

CURR TOPICS SEMINAR  V PTH 605  1 CR.
*******  SEE DEPT FOR REFERENCE NUMBERS

DIAG INTERPR V PATH  V PTH 606A  R CR.
7029005  ARRANGED  ACKERMANN M

DIAG INTERP V PARAS  V PTH 606B  R CR.
7030005  ARRANGED  JARVINEN J

DIAG INTERP CLINPTH  V PTH 606D  R CR.
9694005  ARRANGED  ACKERMANN M

CELL&MOLEC PATHOL I  V PTH 655  3 CR.
PREREQ: GRAD COURSE IN BIOCHEM, GEN OR CELL BIOL
7040005  ARRANGED  ACKERMANN M
**VETERINARY PATHOLOGY**

PTH PARASITIC DISEASES V PTH 660 2 CR.  
PREREQ: 372, 376  
7044005 ARRANGED JONES D

CLINICAL CHEMISTRY V PTH 663 3 CR.  
PREREQ: 425  
7046005 ARRANGED BROCKUS C

VET PATHOLOGY RSRCH V PTH 699A VAR. CR.  
******* SEE DEPT FOR REFERENCE NUMBERS

VET PARASITOLGY RES V PTH 699B VAR. CR.  
******* SEE DEPT FOR REFERENCE NUMBERS

VET CLIN PATH RSRCH V PTH 699D VAR. CR.  
******* SEE DEPT FOR REFERENCE NUMBERS

**WATER RESOURCES**

SPECIAL TOPICS W RES 590 VAR. CR.  
PREREQ: PERMISSION OF MAJOR PROF IN W RES FACULTY  
******* SEE DEPT FOR REFERENCE NUMBERS

CREATIVE COMPONENT W RES 599 VAR. CR.  
PREREQ: PERMISSION OF MAJOR PROF IN W RES FACULTY  
******* SEE DEPT FOR REFERENCE NUMBERS

SEM WATER RESRC MGT W RES 690A 1 CR.  
5322005 M 4:10-5:00

SEM WATER RESRC MGT W RES 690B R CR.  
5368005 M 4:10-5:00

**WOMEN’S STUDIES**

INTRO WOMEN’S STUDI W S 201 3 CR.  
MEETS U.S. DIVERSITY REQMT.  
INSTRUCTOR PERMISSION REQUIRED 1ST WEEK, PROCESS APPROVED ADD SLIP IN 10 ALUMNI HALL  
7058005 A M 2:10-3:00  
WF 2:10-3:00  
SECT A RESTRICTED TO FRESHMEN AND SOPHOMORES.  
7058010 B M 2:10-3:00  
WF 9:00-9:50  
7058015 C M 2:10-3:00  
WF 10:00-10:50  
7058020 D M 2:10-3:00  
WF 11:00-11:50  
7058025 E M 2:10-3:00  
WF 12:10-1:00  
7058030 F M 2:10-3:00  
WF 1:10-2:00  
7058035 G M 2:10-3:00  
WF 3:10-4:00

LESBIAN CULTR&CMMUN W S 203 3 CR.  
PREREQ: CREDIT IN OR EXEMPTION FROM ENGL 104  
MEETS U.S. DIVERSITY REQMT.  
2184005 TR 9:30-10:50

WOMEN & GENDER INT'L W S 301 3 CR.  
PREREQ: 201 OR 3 CR IN W S AT 300 LEVEL OR ABOVE  
TOPIC: GLOBAL FEMINISM  
MEETS INTERNATIONAL PERSPECTIVES REQMT.  
AVAILABLE FOR NONMAJOR GRADUATE CREDIT.  
7060005 TR 11:00-12:20

GENDER & COMMUNICTN W S 323 3 CR.  
PREREQ: 212  
MEETS U.S. DIVERSITY REQMT.  
AVAILABLE FOR NONMAJOR GRADUATE CREDIT.  
3533005 TR 11:00-12:20

WMN&MEN ENGR WRKPLC W S 325X 3 CR.  
PREREQ: ENGL 105  
MEETS U.S. DIVERSITY REQMT.  
8404005 MWF 11:00-11:50  
INSTRUCTOR PERMISSION REQUIRED, PROCESS APPROVED ADD SLIP IN 10 ALUMNI HALL

SEX&GENDER IN SOCIE W S 327 3 CR.  
PREREQ: SOC 130 OR 134  
SEC A1,B1,C1 RESTRICTED TO SOC, P S A, W S  
SEC A2,B2,C2 FOR MAJORS OTHER THAN SOC, P S A, W S  
MEETS U.S. DIVERSITY REQMT.  
7061005 A1 MWF 11:00-11:50  
7061010 A2 MWF 11:00-11:50  
7061015 B1 M 6:00-9:00PM  
7061020 B2 M 6:00-9:00PM  
7061025 C1 MWF 1:10-2:00  
7061030 C2 MWF 1:10-2:00

MASCULIN & MANHOOD W S 328 3 CR.  
MEETS U.S. DIVERSITY REQMT.  
5672005 A1 TR 11:00-12:20  
SECTION A1 RESTRICTED TO SOC AND W S MAJORS ONLY  
5672010 A2 TR 11:00-12:20  
SEC A2 RESTRICTED TO MAJORS OTHER THAN SOC & W S

FEMINIST PHILOSOPHY W S 338 3 CR.  
MEETS U.S. DIVERSITY REQMT.  
AVAILABLE FOR NONMAJOR GRADUATE CREDIT.  
6331005 TR 12:40-2:00  
FEHR C

WOMEN & LIT TOPICS W S 345 3 CR.  
PREREQ: ENGL 105  
MEETS U.S. DIVERSITY REQMT.  
AVAILABLE FOR NONMAJOR GRADUATE CREDIT.  
7063005 A1 TR 11:00-12:20  
SECTION A1 RESTRICTED TO ENGL, TCOMM MAJORS ONLY  
7063010 A2 TR 11:00-12:20  
SEC A2 FOR MAJORS OTHER THAN ENGL, TCOMM

AFRICAN AMERI WOMEN W S 350 3 CR.  
PREREQ: 201 OR AF AM 201 OR 3 CR IN W S OR  
AFRICAN AMER STUDIES AT THE 300-LEVEL OR ABOVE  
MEETS U.S. DIVERSITY REQMT.  
AVAILABLE FOR NONMAJOR GRADUATE CREDIT.  
INSTRUCTOR PERMISSION REQUIRED 1ST WEEK, PROCESS APPROVED ADD SLIP IN 10 ALUMNI HALL  
2569005 TR 12:40-2:00
WOMEN'S STUDIES

WOMN ANCIENT MEDITE (W S) 374 3 CR.
MEETS INTERNATIONAL PERSPECTIVES REQMT.
8165005  MWF 11:00-11:50

HIST WOMEN SCI, TECH (W S) 380 3 CR.
PREREQ: SOPHOMORE CLASSIFICATION
MEETS U.S. DIVERSITY REQMT.
8039005  1 TR 11:00-11:50
R 8:00-8:50
4039010  2 TR 11:00-11:50
R 10:00-10:50
4039015  3 TR 11:00-11:50
F 8:00-8:50
4039020  4 TR 11:00-11:50
F 10:00-10:50

WOMEN IN POLITICS (W S) 385 3 CR.
MEETS U.S. DIVERSITY & INTL PERSPECTIVES REQMT.
7067005  A MWF 1:10-2:00
SEC A RESTRICTED TO POL S MAJORS ONLY.
7067010  B MWF 1:10-2:00
SEC B FOR MAJORS OTHER THAN POL S

LEARNING IN ACTION (W S) 391X 2 CR.
PREREQ: 201
8026005  MW 10:00-10:50

WOMEN, MEN & ENGL LANG (W S) 422 3 CR.
PREREQ: ENGL 219
MEETS U.S. DIVERSITY REQMT.
AVAILABLE FOR NONMAJOR GRADUATE CREDIT.
1540005  A TR 9:30-10:50

WOMEN & DEVELOPMENT (W S) 435X 3 CR.
PREREQ: 201 RECOMMENDED
AVAILABLE FOR NONMAJOR GRADUATE CREDIT.
7779005  TR 2:10-3:30

SEX & GENDER X-CULTUR (W S) 444 3 CR.
PREREQ: 201; 306 RECOMMENDED
MEETS INTERNATIONAL PERSPECTIVES REQMT.
1750005  TR 12:40-2:00

TOPICS WOMEN'S STD'S (W S) 450 3 CR.
PREREQ: 201 OR 3 CR IN W S AT 300 LEVEL OR ABOVE
TOPIC: WOMEN, SOCIAL CLASS AND SOCIAL POLICY
AVAILABLE FOR NONMAJOR GRADUATE CREDIT.
INSTRUCTOR PERMISSION REQUIRED 1ST WEEK, PROCESS
APPROVED ADD SLIP IN 10 ALUMNI HALL
8910005  W 12:10-2:40

INDEPENDENT STUDY (W S) 490 1-3 CR.
PREREQ: ANY TWO COURSES IN W S, PERMISSION OF INSTRUCTOR, CONSULTATION WITH W S PROGRAM DIRECTOR
NO MORE THAN 6 CREDITS OF W S 490 MAY BE APPLIED TOWARD GRADUATION
MEETS INTERNATIONAL PERSPECTIVES REQMT.
DEPARTMENT PERMISSION REQUIRED 1ST WEEK, PROCESS
APPROVED ADD SLIP IN 10 ALUMNI HALL
******  SEE DEPT FOR REFERENCE NUMBERS

WOMEN'S STUDIES

SENIOR INTERNSHIP (W S) 491 3 CR.
PREREQ: SENIOR CLASSIFICATION
4097005  ARRANGED

SENIOR THESIS (W S) 499 3 CR.
PREREQ: SENIOR CLASSIFICATION
******  SEE DEPT FOR REFERENCE NUMBERS

WOMEN & DEVELOPMENT (W S) 535X 3 CR.
PREREQ: 201 RECOMMENDED
7781005  TR 2:10-3:25

SEX & GENDER X-CULTUR (W S) 544 3 CR.
PREREQ: 201; 306 RECOMMENDED
1777005  TR 12:40-2:00

PRSEM HIS FMNST THY (W S) 586 3 CR.
PREREQ: PERMISSION OF INSTRUCTOR
3073005  I W 1:10-4:00

SPECIAL TOPICS (W S) 590 VAR. CR.
PREREQ: PERMISSION OF WOMEN'S STUDIES FROG DIRECTOR
DEPARTMENT PERMISSION REQUIRED 1ST WEEK, PROCESS
APPROVED ADD SLIP IN 10 ALUMNI HALL
******  SEE DEPT FOR REFERENCE NUMBERS

ZOLOGY

INTRO TO HUMAN BODY (ZOOL) 155 3 CR.
PREREQ: HS BIOLOGY & CHEMISTRY OR BIOL 109
7079005  A TR 3:40-5:00

FUND HUMN ANATMY II (ZOOL) 256 3 CR.
6408005  MWF 8:00-8:50

FUND AN&PHYSL LAB II (ZOOL) 256L 1 CR.
PREREQ: CREDIT OR ENROLLMENT IN 256
MATERIALS FEE $45.00
6419005  1 T 9:00-11:50
6419010  2 T 12:10-3:00
6419015  3 T 3:10-6:00PM
6419020  4 W 12:10-3:00
6419025  5 W 3:10-6:00PM
6419030  6 R 9:00-11:50
6419035  7 R 12:00-3:00
6419040  8 R 3:10-6:00PM
6419045  9 T 6:00-9:00PM
6419050  10 W 6:00-9:00PM

COOPERATIVE EDUCATN (ZOOL) 298 R CR.
PREREQ: PERMISSION OF THE DEPT COOPERATIVE EDUCATION COORDINATOR; SOPHOMORE CLASSIFICATION
4160005  ARRANGED

BIOLOGICAL EVOLUTN (ZOOL) 303 3 CR.
PREREQ: CREDIT OR ENROLLMENT IN BIOL/GEN 301
7086005  I W 12:10-1:00

BRAIN & BEHAVIOR (ZOOL) 310 3 CR.
PREREQ: PSYCH 101; BIOL 109 OR 201 OR ZOOL 155;
CHEM 163
1520005  A1 MWF 9:00-9:50
SECTION A1 RESTRICTED TO PSYCH MAJORS ONLY
1520010  A2 MWF 9:00-9:50
SECTION A2 FOR MAJORS OTHER THAN PSYCH
ZOOLOGY

VERTEBRATE HISTOLOGY ZOOL 322 4 CR.
PREREQ: BIOL 202
MATERIALS FEE $40.00
7091005 A MWF 10:00-10:50
    R 9:00-11:50
7091010 B MWF 10:00-10:50
    W 1:10-4:00

EMBRYOLOGY ZOOL 334 2 CR.
PREREQ: BIOL 202
7093005 MW 12:10-1:00

EMBRYOLOGY LAB ZOOL 334L 1 CR.
PREREQ: CREDIT OR ENROLLMENT IN 334
MATERIALS FEE $40.00
7094005 1 T 12:10-3:00
7094010 2 R 12:10-3:00

PRINCIPLES OF PHYSIOLOGY ZOOL 355 5 CR.
PREREQ: BIOL 302
2-PART COURSE. REGISTER FOR NUMBERED SECTION FIRST AND THEN LETTERED SECTION. STUDENTS WHO DON'T REGISTER FOR BOTH PARTS OF THE COURSE WILL BE DROPPED FROM THE COURSE DUE TO INCOMPLETE REGISTRATION.
MATERIALS FEE $50.00
AVAILABLE FOR NONMAJOR GRADUATE CREDIT.
7095010 1 MWF 11:00-11:50
    T 12:10-3:00
7095015 2 MWF 11:00-11:50
    W 3:10-6:00 PM
7095020 3 MWF 11:00-11:50
    R 9:00-11:50
7095040 A M 4:10-5:00
7095045 B R 3:10-4:00

COOPERATIVE EDUCATION ZOOL 398 R CR.
PREREQ: PERMISSION OF THE DEPARTMENT OF COOPERATIVE EDUCATION; JUNIOR CLASSIFICATION
4196005 ARRANGED

CELL BIOLOGY ZOOL 428 3 CR.
PREREQ: BIOL 302
AVAILABLE FOR NONMAJOR GRADUATE CREDIT.
7102005 MWF 10:00-10:50

DEVELOPMENTAL BIOLOGY ZOOL 433 3 CR.
PREREQ: BIOL 302
7103005 MWF 12:10-1:00
SECTION INFO: http://www.public.iastate.edu/~devel-biol/hom

DEVELOPMENTAL BIOLOGY LAB ZOOL 433L 1 CR.
PREREQ: CREDIT OR ENROLLMENT IN 433
MATERIALS FEE $40.00
5680005 1 T 12:10-3:00
5680010 2 R 12:10-3:00

GENETICS AND COMPARATIVE ENDocrinology ZOOL 454 3-4 CR.
PREREQ: 355 AND BIOL 302
MATERIALS FEE $45.00
AVAILABLE FOR NONMAJOR GRADUATE CREDIT.
7106005 A MWF 9:00-9:50
    SECTION A OFFERED FOR 3 CREDITS ONLY
7106010 B MWF 9:00-9:50
    T 1:10-4:00
    SECTION B OFFERED FOR 4 CREDITS ONLY

ENVIRONMENTAL PHYSIOLOGY ZOOL 459 3-4 CR.
PREREQ: 355 OR BIOL 311; PHYSICS RECOMMENDED
MATERIALS FEE $45.00
AVAILABLE FOR NONMAJOR GRADUATE CREDIT.
7108005 A MWF 11:00-11:50
    SECTION A OFFERED FOR 3 CREDITS ONLY
7108010 B MWF 11:00-11:50
    W 1:10-4:00
    SECTION B OFFERED FOR 4 CREDITS ONLY

EVOLUTIONARY GENETICS ZOOL 462 3 CR.
PREREQ: BIOL 303
AVAILABLE FOR NONMAJOR GRADUATE CREDIT.
7110005 TR 9:30-10:50

MORPHOMETRIC ANALYSIS ZOOL 464 4 CR.
PREREQ: STAT 401
AVAILABLE FOR NONMAJOR GRADUATE CREDIT.
4411005 TR 2:10-3:30, ARRANGED

INDEPENDENT STUDY RESEARCH ZOOL 490R 1-5 CR.
PREREQ: 15 CR IN ZOOL SCIENCES; INSTR PERMISSION
AG COLLEGE MAJORS MAY APPLY NO MORE THAN 6 CREDITS OF ZOOL 490 TOWARD THE TOTAL OF 128 CREDITS
REQUIRED FOR GRADUATION. STUDENTS IN THE LAS COLLEGE MAY APPLY NO MORE THAN 9 CREDITS OF ZOOL 490 TOWARD GRADUATION.
****** SEE DEPT FOR REFERENCE NUMBERS

SEMINAR ATTENDANCE ZOOL 490S 1 CR.
Satisfactory-Fail only.
PREREQ: 15 CR IN ZOOL SCIENCES; INSTR PERMISSION
AG COLLEGE MAJORS MAY APPLY NO MORE THAN 6 CREDITS OF ZOOL 490 TOWARD THE TOTAL OF 128 CREDITS
REQUIRED FOR GRADUATION. STUDENTS IN THE LAS COLLEGE MAY APPLY NO MORE THAN 9 CREDITS OF ZOOL 490 TOWARD GRADUATION.
****** SEE DEPT FOR REFERENCE NUMBERS

LAB TECHNICIAN EXPERIENCE ZOOL 490U 1-2 CR.
Satisfactory-Fail only.
PREREQ: 15 CR IN ZOOL SCIENCES; INSTR PERMISSION
AG COLLEGE MAJORS MAY APPLY NO MORE THAN 6 CREDITS OF ZOOL 490 TOWARD THE TOTAL OF 128 CREDITS
REQUIRED FOR GRADUATION. STUDENTS IN THE LAS COLLEGE MAY APPLY NO MORE THAN 9 CREDITS OF ZOOL 490 TOWARD GRADUATION.
****** SEE DEPT FOR REFERENCE NUMBERS

UG SEMINAR ENVIRONMENTAL BIOLOGY ZOOL 492X 1 CR.
Satisfactory-Fail only.
PREREQ: PERMISSION OF INSTRUCTOR
8056005 ARRANGED

COOPERATIVE EDUCATION ZOOL 498 R CR.
PREREQ: PERMISSION OF THE DEPARTMENT OF COOPERATIVE EDUCATION; JUNIOR CLASSIFICATION
4208005 ARRANGED

ADVANCED ANIMAL BEHAVIOR ZOOL 507 2 CR.
PREREQ: 304; PERMISSION OF INSTRUCTOR
7110005 M 4:10-6:00 PM
SPRING 2005     Last Updated 09-17-2004

ZOOLOGY

INTRO DNA TECHNIQS    ZOOL 542A  1 CR.
SATISFACTORY-FAIL ONLY.
PREREQ: GRADUATE CLASSIFICATION
7089005     TR 1:10-2:00
TR 2:10-4:00
JAN 11-FEB 10

INTR PROTEIN TECHNQ    ZOOL 542B  1 CR.
SATISFACTORY-FAIL ONLY.
PREREQ: GRADUATE CLASSIFICATION
7092005     TR 1:10-2:00
TR 2:10-4:00
FEB 15-MARCH 24

INTRO CELL TECHNIQS    ZOOL 542C  1 CR.
SATISFACTORY-FAIL ONLY.
PREREQ: GRADUATE CLASSIFICATION
7096005     TR 1:10-2:00
TR 2:10-4:00
MARCH 29-APRIL 28

INTR PLNT TRNSFM TQ    ZOOL 542D  1 CR.
SATISFACTORY-FAIL ONLY.
PREREQ: GRADUATE CLASSIFICATION
7098005     ARRANGED
FEB 9-APRIL 20

GENRL&COMP ENDOCRIN ZOOL 554  3-4 CR.
PREREQ: 355 AND BIOL 302
MATERIALS FEE $45.00
7127005     A MWF 9:00-9:50
SECTION A OFFERED FOR 3 CREDITS ONLY
7127010     B MWF 9:00-9:50
T 1:10-4:00
SECTION B OFFERED FOR 4 CREDITS ONLY

ADV NEUROSCI TECHNQ    ZOOL 557  2 CR.
PREREQ: NEURO 556
INSTRUCTOR PERMISSION REQUIRED 1ST WEEK, PROCESS APPROVED ADD SLIP IN 10 ALUMNI HALL
9566005     ARRANGED

ENVIRON PHYSIOLOGY    ZOOL 559  3-4 CR.
PREREQ: 355 OR A ECL 311, PHYSICS RECOMMENDED
MATERIALS FEE $45.00
7129005     A MWF 11:00-11:50
SECTION A OFFERED FOR 3 CREDITS ONLY
7129010     B MWF 11:00-11:50
W 1:10-4:00
SECTION B OFFERED FOR 4 CREDITS ONLY

EVOLUTNARY GENETICS    ZOOL 562  3 CR.
PREREQ: BIOL 303
4347005     TR 9:30-10:50

MORPHOMETRIC ANALYS    ZOOL 564  4 CR.
PREREQ: STAT 401
4579005     TR 2:10-3:30, ARRANGED

ADVANCED SYSTEMATICS ZOOL 568  3 CR.
PREREQ: PERMISSION OF INSTRUCTOR
2619005     ARRANGED
ZOOLOGY

SEMINAR IN MCDB       ZOOL 698   1-2 CR.
COURSE OFFERED FOR 1 CREDIT ONLY S05.
7152005     M 3:10-5:00

RESEARCH ZOOLOGY      ZOOL 699   VAR. CR.
******     SEE DEPT FOR REFERENCE NUMBERS