Summer Session 2019

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

Registration Start Dates for Summer 2019
Veterinary Medicine students:  Monday, March 25
Graduate students:  Monday, March 25 - Wednesday, March 27
All seniors:  Tuesday, March 26 - Monday, April 1
Projected juniors:  Tuesday, April 2 - Monday, April 8
Projected sophomores:  Tuesday, April 9 - Monday, April 15
Continuing freshmen:  Tuesday, April 16 - Monday, April 22

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

Page 2  Table of Contents for Courses
3  Key Dates, Deadlines, Information
4  University Calendar
5  Resources
6  Admission
8  General Information about Registering for Courses
9  Schedule of Classes, Schedule Planner, AccessPlus
10  Schedule Changes
11  Summer 2019 Fee Schedule
12  Tuition and Fees
15  Graduation
16  Student Records
18  Services for Students
19  Course Information
22  Time Grids
23  Registration Worksheet
29  Summer 2019 Courses

“Iowa State University does not discriminate on the basis of race, color, age, religion, national origin, sexual orientation, gender identity, sex, marital status, disability, or status as a U.S. veteran. Inquiries can be directed to the Director of Equal Opportunity and Diversity, 3680 Beardshear Hall, (515) 294-7612.”
# Table of Contents for Courses

## Summer Semester Courses

<table>
<thead>
<tr>
<th>Page</th>
<th>Accounting (ACCT)</th>
</tr>
</thead>
<tbody>
<tr>
<td>29</td>
<td>Advertising (ADVRT)</td>
</tr>
<tr>
<td>29</td>
<td>Aerospace Engineering (AER E)</td>
</tr>
<tr>
<td>30</td>
<td>African American Studies (AF AM)</td>
</tr>
<tr>
<td>30</td>
<td>Agricultural &amp; Biosystems Engineering (A B E)</td>
</tr>
<tr>
<td>30</td>
<td>Agricultural Education &amp; Studies (AGEDS)</td>
</tr>
<tr>
<td>31</td>
<td>Agronomy (AGRON)</td>
</tr>
<tr>
<td>32</td>
<td>American Indian Studies (AM IN)</td>
</tr>
<tr>
<td>32</td>
<td>American Sign Language (ASL)</td>
</tr>
<tr>
<td>32</td>
<td>Animal Ecology (A ECL)</td>
</tr>
<tr>
<td>32</td>
<td>Animal Science (AN S)</td>
</tr>
<tr>
<td>33</td>
<td>Anthropology (ANTHR)</td>
</tr>
<tr>
<td>34</td>
<td>Apparel, Events, &amp; Hospitality Management (AESHM)</td>
</tr>
<tr>
<td>34</td>
<td>Apparel, Merchandising &amp; Design (A M D)</td>
</tr>
<tr>
<td>35</td>
<td>Arabic (ARABC)</td>
</tr>
<tr>
<td>35</td>
<td>Architecture (ARCH)</td>
</tr>
<tr>
<td>35</td>
<td>Art History (ART H)</td>
</tr>
<tr>
<td>35</td>
<td>Astronomy &amp; Astrophysics (ASTRO)</td>
</tr>
<tr>
<td>36</td>
<td>Biochemistry, Biophysics, &amp; Molecular Biology (BMB)</td>
</tr>
<tr>
<td>36</td>
<td>Bioinformatics &amp; Computational Biology (UG BCBO)</td>
</tr>
<tr>
<td>36</td>
<td>Bioinformatics &amp; Computational Biology (BCB)</td>
</tr>
<tr>
<td>36</td>
<td>Biological/Pre-Medical Illustration (BPM1)</td>
</tr>
<tr>
<td>36</td>
<td>Biology (BIOL)</td>
</tr>
<tr>
<td>37</td>
<td>Biomedical Engineering (B M E)</td>
</tr>
<tr>
<td>37</td>
<td>Biomedical Sciences (B M S)</td>
</tr>
<tr>
<td>37</td>
<td>Biorenewable Chemicals (BR C)</td>
</tr>
<tr>
<td>37</td>
<td>Biorenewable Resources and Technology (BRT)</td>
</tr>
<tr>
<td>37</td>
<td>Business Administration (BUSAD)</td>
</tr>
<tr>
<td>38</td>
<td>Chemical Engineering (CH E)</td>
</tr>
<tr>
<td>38</td>
<td>Chemistry (CHEM)</td>
</tr>
<tr>
<td>39</td>
<td>Chinese (CHIN)</td>
</tr>
<tr>
<td>39</td>
<td>Civil Engineering (C E)</td>
</tr>
<tr>
<td>39</td>
<td>Classical Studies (CL ST)</td>
</tr>
<tr>
<td>39</td>
<td>Communication Studies (COMST)</td>
</tr>
<tr>
<td>40</td>
<td>Community &amp; Regional Planning (C R P)</td>
</tr>
<tr>
<td>40</td>
<td>Computer Engineering (CPR E)</td>
</tr>
<tr>
<td>40</td>
<td>Computer Science (COM S)</td>
</tr>
<tr>
<td>41</td>
<td>Construction Engineering (CON E)</td>
</tr>
<tr>
<td>41</td>
<td>Criminal Justice Studies (C J ST)</td>
</tr>
<tr>
<td>41</td>
<td>Curriculum &amp; Instruction (C I)</td>
</tr>
<tr>
<td>44</td>
<td>Dance (DANCE)</td>
</tr>
<tr>
<td>44</td>
<td>Design (DES)</td>
</tr>
<tr>
<td>44</td>
<td>Design Studies (DSN S)</td>
</tr>
<tr>
<td>44</td>
<td>Ecology &amp; Evolutionary Biology (EEB)</td>
</tr>
<tr>
<td>44</td>
<td>Ecology, Evolution &amp; Organismal Biology (EEOB)</td>
</tr>
<tr>
<td>46</td>
<td>Economics (ECON)</td>
</tr>
<tr>
<td>45</td>
<td>Educational Administration (EDADM)</td>
</tr>
<tr>
<td>45</td>
<td>Educational Leadership &amp; Policy Studies (EL PS)</td>
</tr>
<tr>
<td>45</td>
<td>Electrical Engineering (E E)</td>
</tr>
<tr>
<td>45</td>
<td>Engineering Mechanics (E M)</td>
</tr>
<tr>
<td>46</td>
<td>English (ENGL)</td>
</tr>
<tr>
<td>47</td>
<td>Entomology (ENT)</td>
</tr>
<tr>
<td>47</td>
<td>Environmental Science (ENSCI)</td>
</tr>
<tr>
<td>48</td>
<td>Environmental Studies (ENV S)</td>
</tr>
<tr>
<td>48</td>
<td>Event Management (EVENT)</td>
</tr>
<tr>
<td>48</td>
<td>Family &amp; Consumer Sciences Education &amp; Studies (FCEDS)</td>
</tr>
<tr>
<td>48</td>
<td>Finance (FIN)</td>
</tr>
<tr>
<td>49</td>
<td>Food Science &amp; Human Nutrition (FSHN)</td>
</tr>
<tr>
<td>50</td>
<td>Forrestry (FOR)</td>
</tr>
<tr>
<td>50</td>
<td>French (FRNCH)</td>
</tr>
<tr>
<td>50</td>
<td>Genetics (GEN)</td>
</tr>
<tr>
<td>50</td>
<td>Genetics - Interdisciplinary- (GENET)</td>
</tr>
<tr>
<td>50</td>
<td>Genetics, Development &amp; Cell Biology (GDCB)</td>
</tr>
<tr>
<td>50</td>
<td>Geology (GEOL)</td>
</tr>
<tr>
<td>50</td>
<td>Gerontology (GERON)</td>
</tr>
<tr>
<td>50</td>
<td>Global Resource Systems (GLOBE)</td>
</tr>
<tr>
<td>50</td>
<td>Graduate Studies (GR ST)</td>
</tr>
<tr>
<td>50</td>
<td>Graphic Design (ARTGR)</td>
</tr>
<tr>
<td>50</td>
<td>Health Studies (H S)</td>
</tr>
<tr>
<td>50</td>
<td>Higher Education (HG ED)</td>
</tr>
<tr>
<td>50</td>
<td>Historical, Philosophical, &amp; Comparative Education (HPC)</td>
</tr>
<tr>
<td>50</td>
<td>History (HIST)</td>
</tr>
<tr>
<td>50</td>
<td>Horticulture (HORT)</td>
</tr>
<tr>
<td>50</td>
<td>Hospitality Management (HSP M)</td>
</tr>
<tr>
<td>50</td>
<td>Human Computer Interaction (HCI)</td>
</tr>
<tr>
<td>50</td>
<td>Human Development &amp; Family Studies (HD FS)</td>
</tr>
<tr>
<td>50</td>
<td>Human Sciences (H SCI)</td>
</tr>
<tr>
<td>50</td>
<td>Immunobiology (IMBIO)</td>
</tr>
<tr>
<td>50</td>
<td>Industrial Design (IND D)</td>
</tr>
<tr>
<td>50</td>
<td>Industrial Engineering (IE)</td>
</tr>
<tr>
<td>50</td>
<td>Information Assurance (INFAS)</td>
</tr>
<tr>
<td>50</td>
<td>Integrated Studio Arts (ARTIS)</td>
</tr>
<tr>
<td>50</td>
<td>Interdisciplinary Graduate Studies (IGS)</td>
</tr>
<tr>
<td>50</td>
<td>Interior Design (ARTID)</td>
</tr>
<tr>
<td>50</td>
<td>International Studies (INTST)</td>
</tr>
<tr>
<td>50</td>
<td>Iowa Lakeside Laboratory (IA LL)</td>
</tr>
<tr>
<td>50</td>
<td>Journalism &amp; Mass Communication (JMC)</td>
</tr>
<tr>
<td>50</td>
<td>Kinesiology (KIN)</td>
</tr>
<tr>
<td>50</td>
<td>Landscape Architecture (LA)</td>
</tr>
<tr>
<td>50</td>
<td>Latin (Latin)</td>
</tr>
<tr>
<td>50</td>
<td>Leadership Studies (LD ST)</td>
</tr>
<tr>
<td>50</td>
<td>Liberal Arts &amp; Sciences (LAS)</td>
</tr>
<tr>
<td>50</td>
<td>Library (LIB)</td>
</tr>
<tr>
<td>50</td>
<td>Linguistics (LING)</td>
</tr>
<tr>
<td>50</td>
<td>Management (MGMT)</td>
</tr>
<tr>
<td>50</td>
<td>Management Information Systems (MIS)</td>
</tr>
<tr>
<td>50</td>
<td>Marketing (MKT)</td>
</tr>
<tr>
<td>50</td>
<td>Materials Engineering (MAT E)</td>
</tr>
<tr>
<td>50</td>
<td>Materials Science &amp; Engineering (M S E)</td>
</tr>
<tr>
<td>50</td>
<td>Mathematics (MATH)</td>
</tr>
<tr>
<td>50</td>
<td>Mechanical Engineering (M E)</td>
</tr>
<tr>
<td>50</td>
<td>Meteorology (METEOR)</td>
</tr>
<tr>
<td>50</td>
<td>Microbiology (MICRO)</td>
</tr>
<tr>
<td>50</td>
<td>Military Science (M S)</td>
</tr>
<tr>
<td>50</td>
<td>Molecular, Cellular, Developmental Biology (MCDB)</td>
</tr>
<tr>
<td>50</td>
<td>Music (MUSIC)</td>
</tr>
<tr>
<td>50</td>
<td>Natural Resource Ecology &amp; Management (NREM)</td>
</tr>
<tr>
<td>50</td>
<td>Neuroscience (NEURO)</td>
</tr>
<tr>
<td>50</td>
<td>Nuclear Engineering (NUC E)</td>
</tr>
<tr>
<td>50</td>
<td>Nutritional Sciences (NUTRS)</td>
</tr>
<tr>
<td>50</td>
<td>Organization for Tropical Studies (OTS)</td>
</tr>
<tr>
<td>50</td>
<td>Performing Arts (PERF)</td>
</tr>
<tr>
<td>50</td>
<td>Philosophy (PHIL)</td>
</tr>
<tr>
<td>50</td>
<td>Physics (PHYS)</td>
</tr>
<tr>
<td>50</td>
<td>Plant Biology (PLBIO)</td>
</tr>
<tr>
<td>50</td>
<td>Plant Pathology (PLP)</td>
</tr>
<tr>
<td>50</td>
<td>Political Science (POL S)</td>
</tr>
<tr>
<td>50</td>
<td>Psychology (PSYCH)</td>
</tr>
<tr>
<td>50</td>
<td>Public Relations (PR)</td>
</tr>
<tr>
<td>50</td>
<td>Religious Studies (RELIG)</td>
</tr>
<tr>
<td>50</td>
<td>Research &amp; Evaluation (RESEV)</td>
</tr>
<tr>
<td>50</td>
<td>Russian (RUS)</td>
</tr>
<tr>
<td>50</td>
<td>Sociology (SOC)</td>
</tr>
<tr>
<td>50</td>
<td>Software Engineering (S E)</td>
</tr>
<tr>
<td>50</td>
<td>Spanish (SPAN)</td>
</tr>
<tr>
<td>50</td>
<td>Special Education (SP ED)</td>
</tr>
<tr>
<td>50</td>
<td>Speech Communication (SP CM)</td>
</tr>
<tr>
<td>50</td>
<td>Statistics (STAT)</td>
</tr>
<tr>
<td>50</td>
<td>Supply Chain Management (SCM)</td>
</tr>
<tr>
<td>50</td>
<td>Sustainable Agriculture (SUSAG)</td>
</tr>
<tr>
<td>50</td>
<td>Sustainable Environments (SUS E)</td>
</tr>
<tr>
<td>50</td>
<td>Technology Systems Management (TSM)</td>
</tr>
<tr>
<td>50</td>
<td>Theatre (THTRE)</td>
</tr>
<tr>
<td>50</td>
<td>Toxicology (TOX)</td>
</tr>
<tr>
<td>50</td>
<td>Transportation (TRANS)</td>
</tr>
<tr>
<td>50</td>
<td>University Studies (U ST)</td>
</tr>
<tr>
<td>50</td>
<td>Urban Design (URB D)</td>
</tr>
<tr>
<td>50</td>
<td>Veterinary Diagnostic &amp; Production Animal Medicine (VDPAM)</td>
</tr>
<tr>
<td>50</td>
<td>Veterinary Clinical Sciences (V C S)</td>
</tr>
<tr>
<td>50</td>
<td>Veterinary Microbiology &amp; Preventive Medicine (V MPM)</td>
</tr>
<tr>
<td>50</td>
<td>Veterinary Pathology (V PTH)</td>
</tr>
<tr>
<td>50</td>
<td>Women's &amp; Gender Studies (WGS)</td>
</tr>
</tbody>
</table>
Key Dates, Deadlines, Information

Class Registration on AccessPlus
Hours: 7 a.m.-11 p.m., Monday-Saturday.

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

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

Fee Payment Deadlines
Fee payment deadlines for Summer 2019 are May 20, June 20, and July 20 for deferred billing. A $20 deferred billing charge is assessed. Contact Accounts Receivables for information.

Graduation Information
If you plan to graduate Summer 2019, you need to complete a graduation application. If graduating, go to the ISU website index under Graduation and Commencement, click on students, then choose graduation application.

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

Room Assignments
Room assignments will be available on AccessPlus class schedule on Saturday, April 26. To find a map of room locations on campus go to the ISU index under Classroom abbreviations.

Schedule Changes
You can add/drop summer session I courses using AccessPlus Registration through Friday, May 24. You can initiate registration for summer session I courses using AccessPlus Registration through Friday, May 24. For additional schedule change deadlines go to the ISU index under Schedule Changes.

Student Answer Center
Have a question and not sure where to go for the answer? Contact the Student Answer Center, ground floor, Beardshear. The Answer Center is open, Monday-Friday, 8 a.m.-5 p.m., or e-mail: answercenter@iastate.edu.
May 13, Sun. • Last day to cancel registration for full-12 week summer courses to avoid tuition assessment.

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

May 18, Fri. • Last day to add a Session I course without instructor's signature. • Last day to process adds or section changes for a Session I course through AccessPlus registration.

May 18, Fri. • Last day to process most schedule changes without a fee; or to add/drop a Session I course without signatures of instructor and adviser. • Last day to drop a Session I course without the drop appearing on the permanent record or counting toward the limit of dropped courses. • Last day to drop a Session I course through AccessPlus registration. • Last day to change a Session I course from Pass/Not Pass to grade basis. • Last day to elect to audit a course for Summer Session II. The instructor of the course must approve an audit. • Last day to change a Session I course to or from Pass/Not Pass to grade. Courses changed to graded basis after June 1 count toward the total allowable P/NP credits used for graduation. • Last day to elect to audit a course for Summer Session II. The instructor of the course must approve an audit.

June 20, Wed. • Fee payment deadline for summer. Second payment (minimum due).

June 22 Fri. • 4 p.m., Preliminary room assignments for Fall 2018, with changes, due back to Room Scheduling from departments. • Last day for graduate students to cancel graduation without being assessed a nonrefundable graduation fee.

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

July 7, Fri. • Summer Session I ends.

July 13, Fri. • Graduate College: last day for final oral examinations. • Last day to add/drop a course or withdraw without extenuating circumstances (Session II courses).

July 17, Tues. • Graduate College: last day for final submission of graduate student graduation approval slip. • Last day to file a Designation of Repeated Course form for a summer course that is not an automatic designated repeat.

July 18, Wed. • Fee payment deadline for summer. Final payment due.

July 20, Fri. • Graduate College: last day to submit signed Submission Request Form for electronic thesis or dissertation. • Graduate College: last day to submit final electronic thesis/dissertation copy for Thesis Office review. • Room assignments for Fall 2018 courses displayed on-line.

July 31, Tues. • University bills with Fall 2018 tuition and fees changes available on AccessPlus http://accessplus.iastate.edu. • Summer Session II ends. • Final grades due on WebCT, Bb Learn or AccessPlus.

Aug. 3, Fri. • Grade reports available on AccessPlus.
Resources

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

College Student Services Offices
Agriculture and Life Sciences ..................................20 Curtiss .......................................................... 294-2766
Business ..........................................................1200 Gerdin .......................................................... 294-8430
Design ..........................................................297 College of Design .................................................. 294-6983
Engineering .....................................................1300 Marston .......................................................... 294-7186
Graduate College ...........................................1137 Pearson .......................................................... 294-4531
Human Sciences .............................................0131 MacKay .......................................................... 294-6466
Liberal Arts and Sciences .................102 Carrie Chapman Catt Hall .......................................... 294-1522
Veterinary Medicine ......................2540 Veterinary Medicine .................................................. 294-0772

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

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

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

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

Student Answer Center www.answer.iastate.edu/
Student Answer Center . Ground Floor Beardshear .................................................. 294-4469

Voter Registration
To learn how to register to vote, or to find out more about voting in Iowa, go to www.sos.state.ia.us/.
Voter registration forms are available in the Office of the Registrar, 214 Enrollment Services Center, and the Student Answer Center, Ground Floor, Beardshear.
Admission

Prospective students should contact the Office of Admissions for information concerning admission procedures. Refer to the Catalog, University (Courses and Programs) for specific requirements for admission located at http://catalog.iastate.edu/admissions/. Applications are available through the Iowa State University home page, by clicking on “Apply” under Prospective Students or by contacting the Office of Admissions, 100 Enrollment Services Center. The completed application, application fee, and all required transcripts must be received by the Office of Admissions before admission is complete. Approval for admission is necessary before a student begins the registration process.

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

Students who wish to enroll for undergraduate or graduate courses, but do not intend to earn a degree from Iowa State, should submit the nondegree application for admission. Undergraduate courses taken as an undergraduate nondegree student may later be applied toward undergraduate degree requirements if approved by the student's college. Graduate courses taken as an undergraduate nondegree student can NOT be used on a graduate degree program. Students who have earned a bachelor's degree and wish to enroll in graduate level courses must apply as nondegree graduates if they have not been admitted to a graduate program. Only nine semester credits of graduate level courses taken as a nondegree graduate student may be applied toward a graduate degree if approved by the student's program of study committee.

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

Undergraduate students, both nondegree and degree seeking:

Non-international undergraduate students, both degree and nondegree seeking, who are planning to return to Iowa State University after an absence of 12 or more months must complete a reentry form. A student who has previously attended Iowa State only as a non-degree student and who now seeks to earn an undergraduate degree should complete an undergraduate application.

Reentry forms are available through the ISU index under Reentering ISU or from the Office of the Registrar, Scheduling & Fees area, 10 Enrollment Services Center, at 515-294-2331, or e-mail reentry@iastate.edu. Return the completed form to the Office of the Registrar well in advance of the beginning of the term for which reentry is desired. Degree-seeking students who have attended another college or university since their last enrollment at Iowa State must send official transcripts of all course work attempted to the Office of the Registrar, 210 Enrollment Services Center.

Questions about the registration process, contact:

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

College student services offices:

Agriculture and Life Sciences
20 Curtiss
294-2766

Business
1200 Gerdin
294-8430

Design
297 College of Design
294-6983

Engineering
1300 Marson
294-7186

Graduate College
1137 Pearson
294-4531

Human Sciences
0131 MacKay
294-6466

Liberal Arts and Sciences
102 Carrie Chapman Catt Hall
294-4383

Veterinary Medicine
2540 Vet Med
International Students

All international students must complete the reentry form and a financial statement (for visa purposes) after an absence of one semester or more (not including summer term). International student reentry forms are available through the ISU index under Reentering ISU, International Students and Scholars or from the Tuition and Fees area at 0460 Beardshear Hall. Return all parts of the completed reentry form and related documentation to the Office of the Registrar well in advance of the beginning of the term for which reentry is desired. Degree-seeking Students who have attended another college or university since their last enrollment at Iowa State must send official transcripts of all course work to the Office of Admissions, 100 Enrollment Services Center. Once reentry has been approved, the reentry form will be forwarded to the Office of International Students and Scholars for financial certification and visa eligibility. Questions related to financial certification or visas should be directed to the Office of International Students and Scholars, 3248 Memorial Union, at 515-294-1120, or by e-mail: intlserv@iastate.edu.

Academically Dismissed

A student who was academically dismissed must submit (1) a reentry form to the Office of the Registrar and (2) a petition for reinstatement to the college in which they wish to enroll at least 45 days before the beginning of the term. Students who have been academically dropped twice and wish to return to the College of Liberal Arts and Sciences must submit their petition at least 70 days before the beginning of the term.

Approving Reentry

All reentry forms should be submitted to the Office of the Registrar, Scheduling & Fees, 10 Enrollment Services or faxed to 515-294-2034 well in advance of the beginning of the term for which reentry is sought. The Office of the Registrar will process the form, or refer the reentry form to the college to which a student plans to return if the student (a) desires to change curriculum; (b) has a previous Iowa State University cumulative grade point average below 2.00 or had a last term average below 2.00; (c) was dropped from Iowa State for unsatisfactory academic progress or was not otherwise in good standing; or (d) since leaving Iowa State, has completed additional college study with less than a 2.00 grade point average. Once approved, they will receive a letter from the Office of the Registrar with information about registration.

How to Register

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

Returning Students

Undergraduate and Nondegree Students

Non-international undergraduate and non-degree students, who have been away from Iowa State for less than 12 months and who were not academically dismissed, may contact the Office of the Registrar, Scheduling & Fees area, at 515-294-2331 or e-mail: reentry@iastate.edu to have their student record and address information updated prior to meeting with their adviser to discuss course selection. These students do not need to complete a reentry form.

Academically Dismissed

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

Graduate Students

All graduate students who have been away from Iowa State for at least one semester (not including summer) should contact the Office of the Registrar, Scheduling & Fees, at 515-294-1889 or e-mail: reentry@iastate.edu to have their student record and address information updated prior to meeting with their major professor to discuss course selection. International graduate students must file a student financial statement for visa purposes. The form is available from International Students and Scholars, 252 Memorial Union, 515-294-1120, or e-mail: intlserv@iastate.edu.
Registration

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

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

To register, follow these steps:

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

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

3. Review your registration start date/time information and any registration hold information on AccessPlus, under Current Information. You must resolve holds on your registration in order to register for classes.

4. Register for courses using the AccessPlus registration system. Room locations for courses will be available on AccessPlus in late July.

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

Initiating Registration

The last day to initiate a new registration for through AccessPlus registration or the Scheduling & Fees Office in 10 Enrollment Services Center for Summer 2019 full-12 week classes is Friday, May 24.

Cancelling Registration

To avoid tuition assessment notify the Office of the Registrar by 4 p.m. one business day before the course begins, of intent to cancel registration, or drop all classes on AccessPlus by 11 p.m. the night before the course begins. For information and a cancellation form, go to the ISU index under Cancelling Registration.

RAN

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

Registration System Abuse

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

AccessPlus Registration Tips

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

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

http://classes.iastate.edu/

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

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

Schedule Planner

http://planner.iastate.edu/

The Class Schedule Planner allows you to plan your schedule using courses displayed in the Schedule of Classes at www.iastate.edu.

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

Though it is a web-based application, the Class Schedule Planner does not require authentication (no user ID, PIN, or password). Therefore, it is essential that students understand that this is a planner and, as such, it does not register students in courses and cannot be used to complete your registration. The application requires that students have Java on their computer. For more information see the Help link in the Class Schedule Planner.

AccessPlus

https://accessplus.iastate.edu/

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

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

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

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

Period 2 ends the Friday of week 10 in the fall and spring semesters. During this period, schedule changes require signatures of adviser and instructor and are processed on a Schedule Change/Restriction Waiver form. Completed forms are processed in 10 Enrollment Services Center. Course drops after period 1 count toward a student's ISU drop limit and appear as an X on the permanent record. A section change does not require a drop.

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

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

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

R-Credit Courses (required courses)
Processing a scheduling change for a required course is usually considered administrative. Administrative drops do not count toward a student's ISU drop limit and do not appear as an X on the permanent record. To make a Period 3 R-credit drop administrative requires approval of the college dean.

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

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

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

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

Validating Enrollment
To validate their enrollment in each course at the beginning of the semester, students must attend the first or second meeting (first meeting if the class meets only once a week). Students who add a course after the term begins must attend the next class meeting. The instructor has the option to offer a registered place in the course to another student when a registered student fails to attend and has not obtained prior approval of the instructor. Students who do not validate their enrollment must drop the course or they will receive an F grade.
Summer 2019 Fee Schedule

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

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

Additional information:

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

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

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

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

Tuition and fees are subject to change without notice.

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

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

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

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

This tuition adjustment schedule is subject to change.

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

<table>
<thead>
<tr>
<th>Withdrawal Date</th>
<th>Student Pays</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Full Summer term</td>
<td></td>
<td></td>
</tr>
<tr>
<td>May 23</td>
<td>10%</td>
<td></td>
</tr>
<tr>
<td>May 29</td>
<td>25%</td>
<td></td>
</tr>
<tr>
<td>June 4</td>
<td>50%</td>
<td></td>
</tr>
<tr>
<td>June 10</td>
<td>75%</td>
<td></td>
</tr>
<tr>
<td>After June 10</td>
<td>100%</td>
<td></td>
</tr>
<tr>
<td>Summer Session I</td>
<td>Student Pays</td>
<td></td>
</tr>
<tr>
<td>May 19</td>
<td>10%</td>
<td></td>
</tr>
<tr>
<td>May 22</td>
<td>25%</td>
<td></td>
</tr>
<tr>
<td>May 29</td>
<td>50%</td>
<td></td>
</tr>
<tr>
<td>May 31</td>
<td>75%</td>
<td></td>
</tr>
<tr>
<td>After May 31</td>
<td>100%</td>
<td></td>
</tr>
<tr>
<td>Summer Session II</td>
<td>Student Pays</td>
<td></td>
</tr>
<tr>
<td>June 19</td>
<td>10%</td>
<td></td>
</tr>
<tr>
<td>June 21</td>
<td>25%</td>
<td></td>
</tr>
<tr>
<td>June 26</td>
<td>50%</td>
<td></td>
</tr>
<tr>
<td>June 28</td>
<td>75%</td>
<td></td>
</tr>
<tr>
<td>After June 28</td>
<td>100%</td>
<td></td>
</tr>
</tbody>
</table>

The Tuition Adjustment Schedule will be pro-rated when courses shorter than a standard semester (79 days) are involved. See the Tuition Adjustment Schedule on the web for the most common session deadlines. Contact the Scheduling and Fees area of the Office of the Registrar at 515-294-2331 or registrar@iastate.edu for questions or deadlines for courses offered during sessions that are not specifically listed on the Tuition Adjustment Schedule.

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

Contact the Scheduling and Fees area of the Office of the Registrar for deadline related to specific courses.

Tuition Adjustment for Workshops and Short Courses

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

Past Due Accounts

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

Health Facility Fee

All students are assessed an $4 health facility fee for Summer 2019, except for students exclusively registered for the following: distance education courses; courses with sections beginning with an X; courses for which no tuition is assessed; continuous registration status courses, graduate students enrolled in Psych 597, 697; or high school students enrolled under the Postsecondary Enrollment Options Act. Note: The health facility fee is mandatory for all students enrolled in the Students and Scholars Health Insurance Plan including all international students on an assistantship. For students who withdraw or change to exempt status as defined above, the tuition adjustment schedule will also be used for the health facility fee.

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

Glossary of Fees
Health Fee (Mandatory)
All students are assessed an $60 Health Fee, except for students enrolled for four credits or less or students exclusively registered for the following: distance education courses (courses with section beginning with an X); courses for which no tuition is assessed; continuous registration status courses; weekend MBA courses; Lakeside Lab or geology field camp courses; graduate students enrolled in Psych 597, 697, or high school students enrolled under the PostSecondary Enrollment Options Act (Chapter 261C).

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

Students exempt from the mandatory Health Fee may use the services of the Thielen Student Health Center on a fee for service basis or may elect to pay the $60 Health Fee and $4 Health Facility Fee, which allows participants to receive services at the Thielen Student Health Center for the same rate as students who pay the mandatory health fee. Spouses/domestic partners of students who wish to use the Thielen Student Health Center must pay the $60 Health Fee and $4 Health Facility Fee.

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

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

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

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

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

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

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

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

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

To update your address, please go to AccessPlus.

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

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

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

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

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

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

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

• Final oral examination must be taken by Friday, July 23.

• Final signed thesis/dissertation form must be submitted to the Thesis Office, 1137 Pearson, by Tuesday, July 23. Last date for students with a thesis/dissertation (ETD) to upload final thesis to ProQuest/UMI for thesis approval must be submitted by Thursday, July 25.

• Signatures must be obtained on the “Graduate Student Approval Slip” by Tuesday July 17. This form will be sent to their major professor or department when their “Request for Final Examination” is approved. All incompletes from past terms and conditions on the final examination must be removed by this date.

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

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

For more information, contact the Graduate College, 1137 Pearson, (515)294-4531.
Student Records

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

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

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

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

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

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

Transcripts
An official transcript may be ordered through AccessPlus; the Office of the Registrar, 214 Enrollment Services Center, 515-294-1840; or by faxing a downloaded form available from the ISU index under Transcripts, How to Order. Transcripts will not be issued if the student has any transcript holds for financial delinquency. Students, attending ISU after 1996, may also view their unofficial transcript using the AccessPlus system.

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

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

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

For more complete information about Iowa State University’s grading system, please refer to the Academic Life section of the catalog at: catalog.iastate.edu.

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

Approval to repeat a course in which the course number or number of credits has changed must be noted on a Designation of Repeated Course form. This form can be obtained from departmental offices and must be signed by the students advisor and the head of the department offering the course. This form is also used if the course number or number of credits has changed from a previous catalog or if the course is being repeated to reduce a transfer deficiency. Process this form in the Office of the Registrar, 214 Enrollment Services Center.

For more information, please refer to the Academic Life section of the catalog at: catalog.iastate.edu.
Veterans Educational Assistance

Students planning to receive Veterans Educational Assistance must provide enrollment information to the V.A. clerks in the Office of the Registrar, 214 Enrollment Services Center, when registration is complete or veterans enrollment certification will be canceled. Veterans must also notify the V.A. clerks when changing credit hours or withdrawing from school. Please check with your certifying official for more information about Summer enrollment requirements.

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

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

Information Disclosure for Students

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

Policy on Student Names

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

Release of Student Records

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

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

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

Changing an Address on AccessPlus

AccessPlus is Iowa State University’s electronic key to personal information via www.accessplus.iastate.edu.

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

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

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

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

ISU ALERT

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

Third Party Access

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

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

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

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

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

Child care programs located on campus include:

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

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

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

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

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

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

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

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

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

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

Course prerequisites are listed in the Online Schedule of Classes as well as in the Courses and Programs section of this publication.
Auditing Courses
To audit a course means to enroll in the course without receiving credit for the course. Audited courses count towards credit limit but not full-time status. The instructor of the course must approve the audit request.

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

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

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

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

Audit Deadlines
In addition to the deadlines provided below, note that instructors must approve all audits.

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

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

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

- Partial semester or summer courses:

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

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

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

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

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

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

Credits Limits
For fall and spring semesters, the credit limit is 18 credits for undergraduates and 15 credits for graduate students. For summer session, the limits are 12 credits for undergraduates and 10 credits for graduate students. Requests to add credits beyond a student's credit limit will be denied. Generally, a student must drop credits before adding another course.
Students may request a change in their credit limit by contacting their adviser. Advisers should notify the student's college student services office if the credit limit needs to be changed.

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

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

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

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

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

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

**Pass-Not Pass**
Students must contact their adviser/major professor to determine which courses they may take Pass-Not Pass. To take a course Pass-Not Pass, first add the course through the web registration system on a graded basis, then to declare the course as Pass-Not Pass, the student must obtain the signature of their adviser/major professor located in the Pass-Not Pass section of the Schedule Change/Restriction Waiver form. Process the form in the Registrar's Restriction Waiver form. Process the form in the Registrar's Student Scheduling Office, 10 Enrollment Services Centerl. Check the university calendar for deadlines pertaining to Pass-Not Pass changes. For more information, refer to http://catalog.iastate.edu/ under Academic Life

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

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

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

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

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

**Videotaping/Audiotaping Classes**
Courses may be videotaped for various reasons, including distance learning. Instructors may audiotape courses for personal reasons. Audiotapes may be made to accommodate a student's disability. Students shall not record and/or reproduce such audiotapes without the instructor's permission.
<table>
<thead>
<tr>
<th>Days</th>
<th>7:30 a.m.</th>
<th>8:40 a.m.</th>
<th>9:50 a.m.</th>
<th>11:00 a.m.</th>
<th>12:10 p.m.</th>
<th>1:20 p.m.</th>
<th>2:30 p.m.</th>
<th>3:40 p.m.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mon.</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Tues.</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Wed.</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Thurs.</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Fri.</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Sat.</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
IOWA STATE UNIVERSITY

Registration Worksheet

Name (please print):

______________________________________________________________________________________________________________

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

Please provide your university ID

_______________________________________________________________________________________________

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

A. View the Online Schedule of Classes at classes.iastate.edu for the list of classes offered for the term. Use the spaces provided below to plan the courses they want on their schedule.

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

C. Register via AccessPlus at accessplus.iastate.edu. Follow the instructions and prompts on the screens. It is your responsibility to check for schedule conflicts. Attempt to add a course you need even if the section is closed. This action helps the university monitor unmet course demand.

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

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

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

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

Notes

Adviser Signature: ____________________________ Date Approved: ____________________________
ACCOUNTING

LEGAL ENVIRONMT BUS ACCT 215 3 CREDITS
Prereq: SOFHC CLASSIFICATION
Note: Course restricted to sophomores and above
5277010 A MWF 2:30-4:30
ARRANGED
MEETS: MAY 20- JUNE 14
Note: SEC A IS A HYBRID COURSE THAT WILL MEET IN A CLASSROOM MWF 2:30-4:30 WITH THE REMAINDER OF THE COURSE CONTENT DELIVERED ONLINE. ONLINE IS REPRESENTED BY ARRANGED.

FINANCIAL ACCOUNTING ACCT 284 3 CREDITS
1110005 A MTHR 12:10-2:10
MEETS: MAY 20- JUNE 14
Note: SECTION A NOT OPEN TO GRADUATE STUDENTS

THE ACCOUNTING CYCLE ACCT 301 1 CREDIT
Prereq: ACCT 284
Note: COURSE RESTRICTED TO ACCT, BUS S, BUS U, BUSEC, ENTSP, FIN, MGMT, MIS, MRT, P BUS, SCM UNDERGRAD MAJORS. GRAD STUDENTS GO TO 1200 GERDIN FOR PERMISSION TO ADD. THIS COURSE CARRIES AN ADDITIONAL COST OF APPROXIMATELY $50 TO ACCESS THE REQUIRED COMPUTER SOFTWARE PROGRAM.
1078001 A ARRANGED
MEETS: MAY 20- JUNE 12
Note: Course delivery is WWW

INTMD MANAGERL ACCT ACCT 383 3 CREDITS
Prereq: ACCT 285 OR ACCT 501 AND ACCT 301
1117005 A1 MTHR 12:10-2:10
MEETS: MAY 20- JUNE 14
Note: SECTION A1 RESTRICTED TO ACCT UNDERGRAD MAJORS
1117010 A2 MTHR 12:10-2:10
MEETS: MAY 20- JUNE 14
Note: SECTION A2 RESTRICTED TO BUS S, BUS U, BUSEC, ENTSP, FIN, MGMT, MIS, MRT, SCM MAJORS ONLY

INTMD ACCOUNTING I ACCT 386 3 CREDITS
Prereq: ACCT 284 AND ACCT 301
1118005 A1 MTHR 9:50-11:50
MEETS: JULY 15- AUG 9
Note: SEC A1 RESTRICTED TO ACCT UNDERGRAD MAJORS ONLY
1118010 A2 MTHR 9:50-11:50
MEETS: JULY 15- AUG 9
Note: SEC A2 RESTRICTED TO BUS S, BUS U, BUSEC, ENTSP, FIN, MGMT, MIS, MRT, SCM UNDERGRAD MAJORS

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

INTRO TO AUDITING ACCT 497 3 CREDITS
Prereq: ACCT 384, ACCT 387 AND STAT 326
Note: COURSE RESTRICTED TO ACCT UNDERGRAD MAJORS. GRADUATE STUDENTS GO TO 1200 GERDIN FOR PERMISSION TO ADD.
1126005 A MTHR 9:50-11:50
MEETS: JULY 15- AUG 9

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

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

ADVERTISING

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

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

AEROSPACE ENGINEERING

INDEPENDENT STUDY AER E 290C 1-2 CREDITS
Prereq: SOFHC CLASSIFICATION, DEPT APPROVAL
Note: COURSE CONTENT DELIVERED ONLINE. ONLINE IS REPRESENTED BY ARRANGED.
******* SEE DEPT FOR REFERENCE NUMBERS

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

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

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

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

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

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

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

INDEPENDENT STUDY HONORS AER E 490H 1-6 CREDITS
Prereq: JR/SR CLASSIFICATION, DEPARTMENT APPROVAL
Note: COURSE RESTRICTED TO HONORS PROGRAM STUDENTS ONLY
******* SEE DEPT FOR REFERENCE NUMBERS

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

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

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

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

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

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

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

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

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

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

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

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

SPECL TOPICS DESIGN AER E 590I 1-5 CREDITS
******* SEE DEPT FOR REFERENCE NUMBERS

SPL TOP COMP AERO/DES AER E 590K 1-5 CREDITS
******* SEE DEPT FOR REFERENCE NUMBERS
AEROSPACE ENGINEERING (CONTINUED)

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

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

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

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

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

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

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

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

ADV TOP SPACER CR SY S AER E 690E 1-5 CREDITS
******** SEE DEPT FOR REFERENCE NUMBERS

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

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

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

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

ENGINEERG INTERNSHIP AER E 697 R CREDIT
Prereq: PERMISSION OF DEPT CHAIR, GRAD CLASSIF
Prereq: MEMBERSHIP OF DEPT, ENGR CAREER SERVICES
Satisfactory-Fail Only.
8131005 1 ARRANGED
MEETS: MAY 20-AUG 9

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

AFRICAN AND AFRICAN AMERICAN STUDIES

SEM AFRIC ANER CULT AF AM 460 3 CREDITS
Note: Meets U.S. diversity reqmt
Instructor permission required.
6688005 ARRANGED
MEETS: JUNE 17-JULY 12

AGRICULTURAL AND BIOSYSTEMS ENGINEERING

SUMMER INTERNSHIP A B E 396 R CREDIT
Prereq: PERMISSION OF DEPT & ENGR CAREER SERVICES
Satisfactory-Fail Only.
******** SEE DEPT FOR REFERENCE NUMBERS

IND ST:BIORWN RESRC A B E 490B 1-5 CREDITS
******** SEE DEPT FOR REFERENCE NUMBERS

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

INDEP STUDY HONORS A B E 490H 1-5 CREDITS
Note: COURSE RESTRICTED TO HONORS PROGRAM STUDENTS ONLY
******** SEE DEPT FOR REFERENCE NUMBERS

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

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

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

MASTER'S TECH COMM A B E 598 1 CREDIT
Satisfactory-Fail Only.
8332005 1 ARRANGED
MEETS: MAY 20-AUG 9

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

AGRICULTURAL AND BIOSYSTEMS ENGINEERING (CONTINUED)

ENGINEERG INTERNSHIP A B E 697 R CREDIT
Prereq: PERMISSION OF DEPT CHAIR, GRAD CLASSIF
Satisfactory-Fail Only.
1700005 ARRANGED
MEETS: MAY 20-AUG 9

DOCTORAL TECH COMM A B E 698 1 CREDIT
Satisfactory-Fail Only.
8333005 1 ARRANGED
MEETS: MAY 20-AUG 9

RESEARCH BIO&S ENG A B E 699B VAR. CREDITS
******** SEE DEPT FOR REFERENCE NUMBERS

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

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

RESEARCH OCCUP SAFETY A B E 699G VAR. CREDITS
******** SEE DEPT FOR REFERENCE NUMBERS

RESEARCH PROCESS ENGR A B E 699H VAR. CREDITS
******** SEE DEPT FOR REFERENCE NUMBERS

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

AGRICULTURAL EDUCATION & STUDIES

FIELD EXP H.S. AGRI AGEDS 211A 1 CREDIT
Prereq: AGEDS 110
7586005 1 ARRANGED
MEETS: MAY 20-AUG 9

FIELD EXP AG INDUST AGEDS 211C 1 CREDIT
Prereq: AGEDS 110
7603005 1 ARRANGED
MEETS: MAY 20-AUG 9

LEADERSHIP IN AGRIC AGEDS 315 3 CREDITS
1273005 1 ARRANGED
MEETS: JUNE 17-AUG 9
Note: Course delivery is WWW

SURV AGR&LIF SC COM M A E 327 3 CREDITS
Prereq: ENGL 250 or EQUIVALENT
9159005 1 ARRANGED
MEETS: MAY 20-JULY 12
Note: Course delivery is WWW

AG MECHAN APLICATNS AGEDS 388 3 CREDITS
6067005 1 MWF 8:00-11:50
MEETS: MAY 20-JULY 12

INTERNSHIP IN AGEDS AGEDS 412 2-6 CREDITS
Prereq: JR/SR CLASSIF IN AGEDS, INSTR PERMISSION
Note: Professional support fee $50.00
******** SEE DEPT FOR REFERENCE NUMBERS

FARM MGMT&OPERATION AGEDS 450 3 CREDITS
Prereq: ENCN 235, ENCN 236, JUNIOR CLASSIFICATION
1386005 1 MWF 12:10-4:00
MEETS: MAY 20-JULY 12

IND STU PHIL,CURRIC AGEDS 490A 1-3 CREDITS
Prereq: JR/SR CLASSIFICATION, INSTR PERMISSION
Note: NO MORE THAN 6 CREDITS OF 490 MAY BE APPLIED TOWARD THE TOTAL OF 12 CREDITS REQUIRED FOR GRADUATION
******** SEE DEPT FOR REFERENCE NUMBERS

IND STU LDRSHIP, EVAL AGEDS 490B 1-3 CREDITS
Prereq: JR/SR CLASSIFICATION, INSTR PERMISSION
Note: NO MORE THAN 6 CREDITS OF 490 MAY BE APPLIED TOWARD THE TOTAL OF 12 CREDITS REQUIRED FOR GRADUATION
******** SEE DEPT FOR REFERENCE NUMBERS

IND STU BUS,PROD AG AGEDS 490C 1-3 CREDITS
Prereq: JR/SR CLASSIFICATION, INSTR PERMISSION
Note: NO MORE THAN 6 CREDITS OF 490 MAY BE APPLIED TOWARD THE TOTAL OF 12 CREDITS REQUIRED FOR GRADUATION
******** SEE DEPT FOR REFERENCE NUMBERS
AGRICULTURAL EDUCATION & STUDIES (CONTINUED)

IND STU EXTN, INT'L AGEDS 490D 1-3 CREDITS
Prereq: JR/SR CLASSIFICATION, INSTR PERMISSION
Note: No more than 6 credits of 490D may be applied toward the total of 128 credits required for graduation.
****** SEE DEPT FOR REFERENCE NUMBERS

IND STU INSTR TCNHL AGEDS 490E 1-3 CREDITS
Prereq: JR/SR CLASSIFICATION, INSTR PERMISSION
Note: No more than 6 credits of 490E may be applied toward the total of 128 credits required for graduation.
****** SEE DEPT FOR REFERENCE NUMBERS

IND STDY ENVIR ISSU AGEDS 490F 1-3 CREDITS
Prereq: JR/SR CLASSIFICATION, INSTR PERMISSION
Note: No more than 6 credits of 490F may be applied toward the total of 128 credits required for graduation.
****** SEE DEPT FOR REFERENCE NUMBERS

INDEP STUDY HONORS AGEDS 490H 1-3 CREDITS
Prereq: 12 CREDITS IN AGRICULTURAL EDUCATION
****** SEE DEPT FOR REFERENCE NUMBERS

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

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

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

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

1318010 2 ARRANGED
MEETS: JUNE 17-AUG 9
Note: SECTION 2 OFFERED FOR 3 CREDITS

AGRICULTURAL EDUCATION & STUDIES (CONTINUED)

WKSHP BIOTECHNOLOGY AGEDS 593M 1-3 CREDITS
Prereq: 12 CREDITS IN AGRICULTURAL EDUCATION
6536005 1 MTWR 8:30-5:00
MEETS: JUNE 17-20
Note: SECTION 1: BEGINNING

6536010 2 MTWR 8:30-5:00
MEETS: JULY 1-4
Note: SECTION 2: ADVANCED

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

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

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

AGRONOMY

PROF DEVEL: WORK EXP AGRON 310 R CREDIT
1389005 1 ARRANGED
MEETS: MAY 20-AUG 9

COOPERATIVE EDUCAT AGRON 398 R CREDIT
1411005 1 ARRANGED
MEETS: MAY 20-AUG 9

INDEPENDENT STUDY AGRON 490G 1-3 CREDITS
Prereq: JR/SR CLASSIFICATION, INSTR PERMISSION
Note: No more than 4 credits of AGRON 490 may be applied toward the total of 128 credits required for graduation.
****** SEE DEPT FOR REFERENCE NUMBERS

INDEPENDENT STUDY HONORS AGRON 490H 1-3 CREDITS
Prereq: JR/SR CLASSIFICATION, INSTR PERMISSION
Note: No more than 4 credits of AGRON 490H may be applied toward the total of 128 credits required for graduation.
****** SEE DEPT FOR REFERENCE NUMBERS

SEED SCI INTERNSHIP AGRON 491 1-2 CREDITS
Prereq: AGRON 338, ADVANCED APPROVAL AND PARTICIPATION OF EMPLOYER AND INSTRUCTOR
Note: COURSE ONLY OFFERED FOR 2 CREDITS SUMMER 2019
9369005 1 ARRANGED
MEETS: MAY 20-AUG 9

COOPERATIVE EDUCAT AGRON 498 R CREDIT
1416005 1 ARRANGED
MEETS: MAY 20-AUG 9

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

CR COMP AG METEOROL AGRON 599A 1-3 CREDITS
Prereq: MONTHESS M.S. OPTION ONLY
1472005 1 ARRANGED
MEETS: MAY 20-AUG 9

CR COMP CROP PRED&PH AGRON 599B VAR. CREDITS
1473005 1 ARRANGED
MEETS: MAY 20-AUG 9

CR COMP PLNT BREEDG AGRON 599C VAR. CREDITS
1474005 1 ARRANGED
MEETS: MAY 20-AUG 9

CRTV COMP SOIL CHEM AGRON 599D VAR. CREDITS
1475005 1 ARRANGED
MEETS: MAY 20-AUG 9

CR COMP SOIL FERTIL AGRON 599E VAR. CREDITS
1476005 1 ARRANGED
MEETS: MAY 20-AUG 9
AGRONOMY (CONTINUED)

CRTV COMPN SOIL MST AGRON 599F VAR. CREDITS
  Prereq: NONTHESIS M.S. OPTION ONLY
  1477005 1 ARRANGED
  MEETS: MAY 20- Aug 9

CR COMP SOIL MICROB AGRON 599G VAR. CREDITS
  Prereq: NONTHESIS M.S. OPTION ONLY
  1476005 1 ARRANGED
  MEETS: MAY 20- Aug 9

CR COMP SOIL MORPHO AGRON 599H VAR. CREDITS
  Prereq: NONTHESIS M.S. OPTION ONLY
  1479005 1 ARRANGED
  MEETS: MAY 20- Aug 9

CR COMP SOIL PHYSCS AGRON 599I VAR. CREDITS
  Prereq: NONTHESIS M.S. OPTION ONLY
  1480005 1 ARRANGED
  MEETS: MAY 20- Aug 9

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

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

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

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

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

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

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

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

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

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

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

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

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

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

AMERICAN INDIAN STUDIES

NATV PEOPL AM CULTR AM IN 201X 3 CREDITS
  Note: Meet U.S. diversity reqmt
  9617005 1 MTWR 1:20-4:10
  MEETS: MAY 20-JUNE 14

INDEPENDENT STUDY AM IN 490 VAR. CREDITS
  Prereq: 6 CR IN AM IN STUDIES, PERMISSION
  OF INSTRUCTOR AND PROGRAM DIRECTOR
  Note: COURSE ONLY OFFERED FOR 1-9 CREDITS SUMMER 2019.
  NO MORE THAN 6 CREDITS OF AM IN 490 MAY BE APPLIED
  TOWARD GRADUATION. IF MORE THAN 3 CREDITS IN
  AN IN 490 ARE TAKEN, THEY MUST BE FROM DIFFERENT
  INSTRUCTORS.

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

AMERICAN SIGN LANGUAGE

AMER SIGN LANGUAG I ASL 101 4 CREDITS
  Note: Meet U.S. diversity reqmt
  9364005 1 MTWR 8:40-11:40
  MEETS: MAY 20-JUNE 14

AMER SIGN LANGUA II ASL 102 4 CREDITS
  Prereq: ASL 101 OR ASL 101
  Note: Meet U.S. diversity reqmt
  9367005 1 MTWR 8:40-11:40
  MEETS: JUNE 17-JULY 12

ANIMAL ECOLOGY

ECOLOGY A ECL 312 4 CREDITS
  Prereq: BIOL 211L AND BIOL 212L
  1061005 A MTWR 9:50-11:05
  MEETS: MAY 20-JULY 12

CREATIVE COMPONENT A ECL 599 VAR. CREDITS
  Prereq: NONTHESIS M.S. OPTION ONLY

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

TEACHING PRACTICUM A ECL 698 1- 3 CREDITS
  Prereq: GRADUATE CLASSIFICATION IN ANIMAL ECOLOGY
  AND PERMISSION OF INSTRUCTOR

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

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

ANIMAL SCIENCE

FND EQUINE TRN YRLO AN S 317B 3 CREDITS
  Prereq: PERMISSION OF INSTRUCTOR
  Note: NO MORE THAN 4 CREDITS OF AN S 317 MAY BE
  APPLIED TOWARD GRADUATION
  9194005 1 ARRANGED
  MEETS: JULY 15-AUG 9

ANIM SCI INTERNSHIP AN S 399A 2- 6 CREDITS
  Prereq: PERMISSION OF THE INSTRUCTOR
  1538005 1 ARRANGED
  MEETS: MAY 20-AUG 9

SUPERV'D INTERNSHIP AN S 399A R CREDIT
  Prereq: PERMISSION OF THE INSTRUCTOR
  2225005 1 ARRANGED
  MEETS: MAY 20-AUG 9

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

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

IND STU ANIMAL SCI AN S 490B 1- 3 CREDITS
  Prereq: PERMISSION OF THE INSTRUCTOR
  Note: NO MORE THAN 6 CREDITS OF AN S 490 MAY BE
  APPLIED TOWARD THE TOTAL CREDITS REQUIRED FOR
  GRADUATION

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

IND STU ANIMAL SCI AN S 490C 1- 3 CREDITS
  Prereq: PERMISSION OF THE INSTRUCTOR
  Note: NO MORE THAN 6 CREDITS OF AN S 490 MAY BE
  APPLIED TOWARD THE TOTAL CREDITS REQUIRED FOR
  GRADUATION

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

INDEPENDENT STUDY AN S 490D 1- 3 CREDITS
  Prereq: PERMISSION OF THE INSTRUCTOR
  Note: NO MORE THAN 6 CREDITS OF AN S 490 MAY BE
  APPLIED TOWARD THE TOTAL CREDITS REQUIRED FOR
  GRADUATION

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

INDEPENDENT STUDY AN S 490E 1- 3 CREDITS
  Prereq: PERMISSION OF THE INSTRUCTOR
  Note: NO MORE THAN 6 CREDITS OF AN S 490 MAY BE
  APPLIED TOWARD THE TOTAL CREDITS REQUIRED FOR
  GRADUATION

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

INDEPENDENT STUDY AN S 490F 1- 3 CREDITS
  Prereq: PERMISSION OF THE INSTRUCTOR
  Note: NO MORE THAN 6 CREDITS OF AN S 490 MAY BE
  APPLIED TOWARD THE TOTAL CREDITS REQUIRED FOR
  GRADUATION

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

INDEPENDENT STUDY AN S 490G 1- 3 CREDITS
  Prereq: PERMISSION OF THE INSTRUCTOR
  Note: NO MORE THAN 6 CREDITS OF AN S 490 MAY BE
  APPLIED TOWARD THE TOTAL CREDITS REQUIRED FOR
  GRADUATION

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

AG DOMESTIC TRAVEL AN S 496B VAR. CREDITS
  Prereq: INSTRUCTOR PERMISSION, 30 COLLEGE CREDITS
  1877005 1 ARRANGED
  MEETS: MAY 12-26
  Note: SEC 1 TRAVEL TO NE, CO, WY, MT. OFFERED FOR 2
  CREDITS SUMMER 2019.
ANIMAL SCIENCE

TEACHING EXPERNC AN S 497 1 - 2 CREDITS
Prereq: PERMISSION OF INSTRUCTOR
Note: NO MORE THAN 6 CREDITS OF AN S 497 MAY BE APPLIED TOWARD GRADUATION

SPL TOP AN ANIM ETHOLOGY RSRCH AN S 590A 1 - 3 CREDITS
Prereq: PERMISSION OF INSTRUCTOR

SPL TOP AN ANIMAL NUTR AN S 590B 1 - 3 CREDITS
Prereq: PERMISSION OF INSTRUCTOR

SPL TOP AN MEAT AN AN S 590C 1 - 3 CREDITS
Prereq: PERMISSION OF INSTRUCTOR

SPL TOP PHYS REPROD AN S 590F 1 - 3 CREDITS
Prereq: PERMISSION OF INSTRUCTOR

SPL TOP MUSCLE BIOL AN S 590G 1 - 3 CREDITS
Prereq: PERMISSION OF INSTRUCTOR

SPL TOP PROF TOPICS AN S 590K 1 - 3 CREDITS
Prereq: PERMISSION OF INSTRUCTOR

SPL TOPICS AN S 590L 1 - 3 CREDITS
Prereq: PERMISSION OF INSTRUCTOR

SPL TOPICS AN S 590M 1 - 3 CREDITS
Prereq: PERMISSION OF INSTRUCTOR

SPL TOPICS AN S 590N 1 - 3 CREDITS
Prereq: PERMISSION OF INSTRUCTOR

CRTV COMP AN S 595A 1 - 3 CREDITS
Prereq: 9 CREDITS IN ANTHROPOLOGY

INDEP STU ANTHRO RESEARCH ANTHRO 490A 1 - 5 CREDITS
Prereq: JUNIOR OR SENIOR STANDING

IND STU ANTRO ARCHAEOL ANTHR 490A 1 - 5 CREDITS
Prereq: JUNIOR OR SENIOR STANDING

INDEP STU ANTRO BIOL ANTHR 490C 1 - 5 CREDITS
Prereq: JUNIOR OR SENIOR STANDING

INDEP STU ANTRO ECO ANTHR 490E 1 - 5 CREDITS
Prereq: JUNIOR OR SENIOR STANDING

INDEP STU ANTRO LING ANTHR 490D 1 - 5 CREDITS
Prereq: JUNIOR OR SENIOR STANDING

INDEP STU ANTRO PHYS ANTHR 490D 1 - 5 CREDITS
Prereq: JUNIOR OR SENIOR STANDING

INDEP STU ANTRO PSYCH ANTHR 490E 1 - 5 CREDITS
Prereq: JUNIOR OR SENIOR STANDING

INDEP STU ANTRO SOC ANTHR 490F 1 - 5 CREDITS
Prereq: JUNIOR OR SENIOR STANDING

UG INDEP STU IA LL ANTHRO 490I 1 - 4 CREDITS
Prereq: JUNIOR OR SENIOR CLASSIFICATION AND PERMISSION OF INSTRUCTOR

Note: NO MORE THAN 6 CREDITS OF ANTHRO 490 MAY BE APPLIED TOWARD GRADUATION.

Note: NO MORE THAN 6 CREDITS OF ANTHRO 490 MAY BE APPLIED TOWARD GRADUATION.
ANTHROPOLOGY (CONTINUED)

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

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

APPAREL, EVENTS & HOSPITALITY MGMT

SUPV WRK EXP I:HSY AEHM 170D 1 CREDIT
Prereq: ADVISER PERMISSION REQUIRED.
Note: NO MORE THAN 12 CREDITS TOTAL FROM AEHM 170, AEHM 270, AND AEHM 470 MAY BE APPLIED TOWARD GRADUATION.
Instructor permission required.
Satisfactory-Fail Only.
1107005 1 ARRANGED MEETS: MAY 20-AUG 9

SUPV WRK EXP I:EVNT AEHM 170F 1 CREDIT
Prereq: ADVISER PERMISSION REQUIRED.
Note: NO MORE THAN 12 CREDITS TOTAL FROM AEHM 170, AEHM 270, AND AEHM 470 MAY BE APPLIED TOWARD GRADUATION.
Instructor permission required.
Satisfactory-Fail Only.
1107005 1 ARRANGED MEETS: MAY 20-AUG 9

SUPV WRK EXP II:APPAR AEHM 170N 1 CREDIT
Prereq: ADVISER PERMISSION REQUIRED; FRESHMAN CLASSIFICATION.
Note: NO MORE THAN 12 CREDITS TOTAL FROM AEHM 170, AEHM 270, AND AEHM 470 MAY BE APPLIED TOWARD GRADUATION.
Instructor permission required.
Satisfactory-Fail Only.
1125005 1 ARRANGED MEETS: MAY 20-AUG 9

SUP WRK EXP II:HSY AEHM 270D 1-2 CREDITS
Prereq: 6 CREDITS IN AEHM OR HSP M, CREDITS IN AEHM 170, MINIMUM 2.0 GPA, ADVISER PERMISSION REQUIRED, SOPHOMORE CLASSIFICATION.
Note: NO MORE THAN 12 CREDITS TOTAL FROM AEHM 170, AEHM 270, AND AEHM 470 MAY BE APPLIED TOWARD GRADUATION.
Instructor permission required.
1132005 1 ARRANGED MEETS: MAY 20-AUG 9

SUP WRK EXP II:EVNT AEHM 270F 1-2 CREDITS
Prereq: 6 CREDITS IN AEHM OR HSP M OR EVENT; MINIMUM 2.0 GPA, ADVISER PERMISSION REQUIRED; SOPHOMORE CLASSIFICATION.
Note: NO MORE THAN 12 CREDITS TOTAL FROM AEHM 170, AEHM 270, AND AEHM 470 MAY BE APPLIED TOWARD GRADUATION.
Instructor permission required.
1203005 1 ARRANGED MEETS: MAY 20-AUG 9

SUP WRK EXP III:APPAR AEHM 270N 1-2 CREDITS
Prereq: MINIMUM 2.0 GPA, ADVISER PERMISSION REQUIRED; SOPHOMORE A M D CLASSIFICATION.
Note: NO MORE THAN 12 CREDITS TOTAL FROM AEHM 170, AEHM 270, AND AEHM 470 MAY BE APPLIED TOWARD GRADUATION.
Instructor permission required.
1270005 1 ARRANGED MEETS: MAY 20-AUG 9

AESTHETCS CNSMR EXPC AEHM 342 3 CREDITS
Prereq: SOPHOMORE CLASSIFICATION.
Note: Meets U.S. diversity reqmt.
4609005 A ARRANGED MEETS: MAY 20-JULY 12
Note: Course delivery is WW.

COORDINATE EDUCATN AEHM 398 1 CREDIT
Prereq: PERMISSION OF ADVISER; JR CLASSIFICATION.
1002020 D ARRANGED MEETS: MAY 20-AUG 9
Note: SECTION D IS FOR HSP M MAJORS ONLY
Instructor permission required.
1002030 F ARRANGED MEETS: MAY 20-AUG 9
Note: SECTION F IS FOR HSP M MAJORS ONLY
Instructor permission required.
1002055 N ARRANGED MEETS: MAY 20-AUG 9
Note: SECTION N IS FOR A M D MAJORS ONLY
Department permission required.

APPAREL, EVENTS & HOSPITALITY MGMT (CONTINUED)

INTERNSHIP EVENT MGT AEHM 470F 3-6 CREDITS
Prereq: AEHM 311, EVENT 271, EMPLOYER/LOCATION SHOULD BE DIFFERENT THAN EMPLOYER/LOCATION USED FOR AEHM 170 AND AEHM 270.
Note: NO MORE THAN 12 CREDITS TOTAL FROM AEHM 170, AEHM 270, AND AEHM 470 MAY BE APPLIED TOWARD GRADUATION.
********
SEE DEPT FOR REFERENCE NUMBERS.

INTERNSHIP APPAR AEHM 470A 3-6 CREDITS
Prereq: AEHM 311, EVENT 271, EMPLOYER/LOCATION SHOULD BE DIFFERENT THAN EMPLOYER/LOCATION USED FOR AEHM 170 AND 270.
Note: NO MORE THAN 12 CREDITS TOTAL FROM AEHM 170, AEHM 270, AND AEHM 470 MAY BE APPLIED TOWARD GRADUATION.
********
SEE DEPT FOR REFERENCE NUMBERS.

INTERNSHIP APPAR AEHM 470A 3-6 CREDITS
Prereq: AEHM 311, EVENT 271, EMPLOYER/LOCATION SHOULD BE DIFFERENT THAN EMPLOYER/LOCATION USED FOR AEHM 170 AND 270.
Note: NO MORE THAN 12 CREDITS TOTAL FROM AEHM 170, AEHM 270, AND AEHM 470 MAY BE APPLIED TOWARD GRADUATION.
********
SEE DEPT FOR REFERENCE NUMBERS.

INDEPENDENT STUDIES HONORS AEHM 490H 2-4 CREDITS
Prereq: PERMISSION OF INSTRUCTOR.
Satisfactory-Fail Only.
********
SEE DEPT FOR REFERENCE NUMBERS.

PRACTCM APPAR MCHDS AEHM 570A 1-3 CREDITS
Prereq: 6 GRAD CREDITS IN PROGRAM AREA; INSTRUCTOR PERMISSION.
1660005 A ARRANGED MEETS: MAY 20-AUG 9

PRACTCM HSPITY MGT AEHM 570B 1-3 CREDITS
Prereq: 6 GRAD CREDITS IN PROGRAM AREA; INSTRUCTOR PERMISSION.
1590005 A ARRANGED MEETS: MAY 20-AUG 9
Note: Instructor permission required.

TCHG PRACTCM APPAR AEHM 670A 1-3 CREDITS
Prereq: 6 GRADUATE CREDITS IN PROGRAM AREA; PERMISSION OF INSTRUCTOR.
********
SEE DEPT FOR REFERENCE NUMBERS.

TCHG PRACTCM HSPITY AEHM 670B 1-3 CREDITS
Prereq: 6 GRADUATE CREDITS IN PROGRAM AREA; PERMISSION OF INSTRUCTOR.
********
SEE DEPT FOR REFERENCE NUMBERS.

APPAREL, MERCHANDISING, AND DESIGN

DRESS&DIVRSTY SOCIE A M D 165 3 CREDITS
Note: Meets U.S. diversity reqmt.
6603005 A ARRANGED MEETS: MAY 20-JUNE 14
Note: Course delivery is WW.

CULTURE PERSPC DRESS A M D 362 3 CREDITS
Note: Meets U.S. diversity reqmt.
6622005 A ARRANGED MEETS: JULY 15-AUG 9
Note: Course delivery is WW.

IND STU TXTL&APD DSN A M D 490C VAR. CREDITS
Prereq: 6 CREDITS IN PROGRAM AREA; PERMISSION OF THE INSTRUCTOR, ADVISER AND DEPARTMENT CHAIR.
Note: NO MORE THAN 9 CREDITS TOTAL OF A M D 290 AND A M D 490 MAY BE APPLIED TOWARD GRADUATION.
Instructor permission required.
Note: Meets international perspectives reqmt.
1509005 A ARRANGED MEETS: MAY 20-AUG 9
Note: Instructor permission required.

IND STU PSY OF DRSS A M D 490F VAR. CREDITS
Prereq: 6 CREDITS IN PROGRAM AREA; PERMISSION OF THE INSTRUCTOR, ADVISER AND DEPARTMENT CHAIR.
Note: COURSE ONLY OFFERED FOR 1-2 CREDITS SUMMER 2019.
NO MORE THAN 9 CREDITS TOTAL OF A M D 290 AND A M D 490 MAY BE APPLIED TOWARD GRADUATION.
Instructor permission required.
********
SEE DEPT FOR REFERENCE NUMBERS.

IND ST ENTREPRENEUR A M D 490E VAR. CREDITS
Prereq: 6 CREDITS IN PROGRAM AREA; PERMISSION OF THE INSTRUCTOR, ADVISER AND DEPARTMENT CHAIR.
Note: COURSE ONLY OFFERED FOR 1-2 CREDITS SUMMER 2019.
NO MORE THAN 9 CREDITS TOTAL OF A M D 290 AND A M D 490 MAY BE APPLIED TOWARD GRADUATION.
Instructor permission required.
********
SEE DEPT FOR REFERENCE NUMBERS.

INDEPENDENT STUDIES HONORS AEHM 490H 2-4 CREDITS
Prereq: 6 CREDITS IN PROGRAM AREA; PERMISSION OF THE INSTRUCTOR, ADVISER AND DEPARTMENT CHAIR.
Note: NO MORE THAN 9 CREDITS TOTAL OF A M D 290 AND A M D 490 MAY BE APPLIED TOWARD GRADUATION.
Instructor permission required.
********
SEE DEPT FOR REFERENCE NUMBERS.
APPAREL, MERCHANDISING, AND DESIGN (CONTINUED)

IND STDY: PROD DEV.EL A M D 490 J VAR. CREDITS
Prereq: 6 CREDITS IN A M D, PERMISSION OF THE INSTRUCTOR, ADVISOR, AND DEPARTMENT CHAIR.
Note: NO MORE THAN 9 CREDITS TOTAL OF A M D 290 AND A M D 490 MAY BE APPLIED TOWARD GRADUATION
******** SEE DEPT FOR REFERENCE NUMBERS

UNDERGRAD RESEARCH A M D 499 1-3 CREDITS
Prereq: SENIOR CLASSIFICATION; 15 CREDITS IN A M D; PERMISSION OF INSTRUCTOR, ADVISER, & DEPT CHAIR
******** SEE DEPT FOR REFERENCE NUMBERS

SUSTAINABILITY: THE OR APP. A M D 565 3 CREDITS
Prereq: 3 CR IN RESEARCH METHODS; BASIC KNOWLEDGE OF APPAREL INDUSTRY AND PRODUCT DEVELOPMENT; PERMISSION OF INSTRUCTOR
1853005 1 MTW 9:00-9:50 MEETS: JUNE 19-25

SPL TOP TEXTILE SCI A M D 590 A VAR. CREDITS
Prereq: PERMISSION OF DIRECTOR OF GRADUATE EDUCATION, ADVISER, AND INSTRUCTOR(S)
******** SEE DEPT FOR REFERENCE NUMBERS

SPL TOP TXTL/DRP DSN A M D 590 C VAR. CREDITS
Prereq: PERMISSION OF DIRECTOR OF GRADUATE EDUCATION, ADVISER, AND INSTRUCTOR(S)
******** SEE DEPT FOR REFERENCE NUMBERS

SPL TOP MCHDS,ENTREP A M D 590 E VAR. CREDITS
Prereq: PERMISSION OF DIRECTOR OF GRADUATE EDUCATION, ADVISER, AND INSTRUCTOR(S)
******** SEE DEPT FOR REFERENCE NUMBERS

SPL TOP SOC-PSY ASP A M D 590 F VAR. CREDITS
Prereq: PERMISSION OF DIRECTOR OF GRADUATE EDUCATION, ADVISER, AND INSTRUCTOR(S)
******** SEE DEPT FOR REFERENCE NUMBERS

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

MUSEUM/GLLRY INTERN ART H 586 1-6 CREDITS
Pre req: WRITTEN APPROVAL OF INSTRUCTOR AND INSTRUCTOR(S)
******* SEE DEPT FOR REFERENCE NUMBERS

MUSEUM/GLLRY INTERN ART H 497 1-6 CREDITS
Pre req: BACHELOR'S DEGREE IN ART AND/OR DSGN, OR EVIDENCE OF SATISFACTORY EQUIV IN SPECIALZD CURRICULUM
Satisfactory-Fail Only.

ARCHITECTURE (CONTINUED)

ARCHITECTURE

ARCHITECTURE

ARCHITECTURE

ARCHITECTURE

ARCHITECTURE

ARCHITECTURE

ARCHITECTURE

ARCHITECTURE

ARCHITECTURE

ARCHITECTURE

ARCHITECTURE

ARCHITECTURE

ARCHITECTURE

ARCHITECTURE

ARCHITECTURE

ARCHITECTURE

ARCHITECTURE

ARCHITECTURE

ARCHITECTURE

ARCHITECTURE

ARCHITECTURE

ARCHITECTURE

ARCHITECTURE

ARCHITECTURE

ARCHITECTURE

ARCHITECTURE

ARCHITECTURE

ARCHITECTURE

ARCHITECTURE

ARCHITECTURE

ARCHITECTURE

ARCHITECTURE

ARCHITECTURE

ARCHITECTURE

ARCHITECTURE

ARCHITECTURE

ARCHITECTURE

ARCHITECTURE

ARCHITECTURE

ARCHITECTURE

ARCHITECTURE

ARCHITECTURE

ARCHITECTURE

ARCHITECTURE

ARCHITECTURE

ARCHITECTURE

ARCHITECTURE

ARCHITECTURE

ARCHITECTURE

ARCHITECTURE

ARCHITECTURE

ARCHITECTURE

ARCHITECTURE

ARCHITECTURE
ASTRONOMY & ASTROPHYSICS (CONTINUED)

CREATIVE COMPONENT
ASTRO 599 VAR. CREDITS
PreReq: PERMISSION OF INSTRUCTOR
****** SEE DEPT FOR REFERENCE NUMBERS

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

BIOCHEM, BIOPHYSICS & MOLECULAR BIO

SURVEY OF BIOCHEM
BBMB 301 3 CREDITS
PreReq: CHEM 231 OR CHEM 331
Note: ABGIO, BIOCHEMISTRY OR BIOPHYSICS MAJORS MAY NOT APPLY CREDIT FOR BBMB 301 TOWARDS DEGREE REQUIREMENTS FOR THE MAJOR BUT IT IS ACCEPTABLE AS AN ELECTIVE. CREDIT IN ONLY ONE OF THE FOLLOWING COURSES MAY BE APPLIED TOWARDS GRADUATION: BBMB 301, BBMB 303X, BBMB 316.
1999005 1 MTWRF 7:30-8:30 MEETS: MAY 20-JULY 12

INDEPENDENT STUDY
BBMB 490 1-3 CREDITS
PreReq: AG LS COLLEGE MAJORS; JUNIOR OR SENIOR CLASSIFICATION AND INSTRUCTOR PERMISSION. LAS COLLEGE MAJORS: INSTRUCTOR PERMISSION. NOTE: NO MORE THAN 9 CREDITS OF BBMB 490 MAY BE APPLIED TOWARDS GRADUATION
****** SEE DEPT FOR REFERENCE NUMBERS

UNDERGRAD RESEARCH
BBMB 499 1-5 CREDITS
PreReq: PERMISSION OF FACULTY MEMBER WITH WHOM STUDENT PROPOSES TO WORK
****** SEE DEPT FOR REFERENCE NUMBERS

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

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

BIOINFORMATICS & COMPUTATIONAL BIO-LUG

INDEPENDENT STUDY
BCBIO 490 1-5 CREDITS
PreReq: BCBIO 322, JUNIOR OR SENIOR CLASSIFICATION, PERMISSION OF INSTRUCTOR
Note: STUDENTS IN THE LAS COLLEGE MAY USE NO MORE THAN 9 CREDITS OF BCBIO 490 AND 491 TOWARDS GRADUATION
****** SEE DEPT FOR REFERENCE NUMBERS

INDEPENDENT STUDY
BCB 490 1-5 CREDITS
PreReq: PERMISSION OF INSTRUCTOR
Note: Instructor permission required 1st week.
****** SEE DEPT FOR REFERENCE NUMBERS

COORDINATE DEGREE
BCB 598 1 CREDIT
PreReq: PERMISSION OF THE PROGRAM CHAIR
1828005 1 ARRANGED MEETS: MAY 20-AUG 9

GRAD RESEARCH ROTAT
BCB 697 VAR. CREDITS
7987005 1 ARRANGED MEETS: MAY 20-AUG 9

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

BIOLOGICAL/PRE-MEDICAL ILLUSTRATION

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

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

BIOLOGY

PRIN OF BIOLOGY I
BIOL 211 3 CREDITS
PreReq: HIGH SCHOOL BIOLOGY
9468005 A MTWR 9:50-11:50 MEETS: MAY 20-JUNE 14
Section info: http://www.elo.iastate.edu/biology-courses-information
9468010 B MTWR 12:10-2:10 MEETS: JULY 15-AUG 9

FUND HUMAN ANATOMY
BIOL 255 3 CREDITS
PreReq: HS BIOLOGY OR BIOCHEMISTRY, OR BIOL 101
Note: CREDIT IN BIOL 255 MAY NOT BE APPLIED TOWARDS BIOLOGY MAJOR GRADUATION REQUIREMENTS
7205005 A ARRANGED MEETS: MAY 20-AUG 9

FUND HUMAN ANAT LAB
BIOL 255L 1 CREDIT
PreReq: CREDIT OR ENROLLMENT IN BIOL 255
Note: CREDIT IN BIOL 255L MAY NOT BE APPLIED TOWARDS BIOLOGY MAJOR GRADUATION REQUIREMENTS
6342005 1 TR 9:00-12:00 MEETS: MAY 20-JULY 12

ECOLOGY
BIOL 312 4 CREDITS
PreReq: BIOL 211, BIOL 211L, BIOL 212, BIOL 212L
2069005 A MTWR 9:50-11:50 MEETS: MAY 20-JULY 12
2069010 B MTWR 9:50-11:05 TR 12:10-3:00 MEETS: MAY 20-JULY 12

PRINCIP OF GENETICS
BIOL 313 3 CREDITS
PreReq: BIOL 211, BIOL 211L, BIOL 212, BIOL 212L
Note: CREDIT FOR ONLY ONE OF THE FOLLOWING MAY BE APPLIED TOWARDS GRADUATION: GEN 260, GEN/BIOL 313/301 AND 313L/301, GEN/AGRON 320
9472005 1 MTWR 8:40-9:40 MEETS: MAY 20-JULY 12

BIOLOGICAL EVOLUTN
BIOL 315 3 CREDITS
PreReq: BIOL 211, BIOL 211L, BIOL 212, BIOL 212L
5604010 2 MTWR 11:00-12:30 MEETS: MAY 20-JULY 12

ECO4ENVIRON SCI GIS
BIOL 370 1-6 CREDITS
PreReq: 6 CREDITS IN BIOLOGICAL AND/OR PHYSICAL SCIENCE; PERMISSION OF INSTRUCTOR
9445005 1 ARRANGED MEETS: MAY 20-AUG 9
9445010 2 ARRANGED MEETS: MAY 20-AUG 9

INDEPENDENT STUDY
BIOL 490 1-6 CREDITS
PreReq: NO MORE THAN 9 CREDITS MAY BE APPLIED TOWARDS GRADUATION AND OF THOSE ONLY 2 CREDITS MAY BE APPLIED TOWARDS THE BIOLOGY MAJOR REQUIREMENTS
****** SEE DEPT FOR REFERENCE NUMBERS

IND STU BIOL RESrch
BIOL 490H 1-6 CREDITS
****** SEE DEPT FOR REFERENCE NUMBERS

UG TEACHING EXPERIENCE
BIOL 491 1-2 CREDITS
PreReq: PERMISSION OF SUPERVISING STAFF
Note: NO MORE THAN 2 CREDITS IN BIOL 491 MAY BE APPLIED TOWARDS BIOLOGY ADVANCED COURSE DEGREE REQUIREMENTS
Satisfactory-Fail Only.
****** SEE DEPT FOR REFERENCE NUMBERS

BIOLOGY INTERNSHIP
BIOL 494 1-3 CREDITS
PreReq: 6 CREDITS IN BIOLOGY, INSTRUCTOR PERMISSION
Note: NO MORE THAN 9 CREDITS MAY BE APPLIED TOWARDS GRADUATION AND OF THOSE ONLY 6 CREDITS MAY BE APPLIED TOWARDS THE BIOLOGY ADVANCED COURSE DEGREE REQUIREMENT
****** SEE DEPT FOR REFERENCE NUMBERS

UNDERGRAD SEMINAR
BIOL 495 1-3 CREDITS
PreReq: PERMISSION OF INSTRUCTOR
Satisfactory-Fail Only.
****** SEE DEPT FOR REFERENCE NUMBERS

COORDINATE DEGREE
BIOL 498 1 CREDIT
PreReq: PERMISSION OF THE PROGRAM COORDINATOR
4546005 1 ARRANGED MEETS: MAY 20-AUG 9

UG RESEARCH EXPERIENCE
BIOL 499 1-6 CREDITS
PreReq: PERMISSION OF INSTRUCTOR
Note: NO MORE THAN 9 CREDITS MAY BE APPLIED TOWARDS GRADUATION AND OF THOSE ONLY 6 CREDITS MAY BE APPLIED TOWARDS THE BIOLOGY ADVANCED COURSE DEGREE REQUIREMENT
****** SEE DEPT FOR REFERENCE NUMBERS
BIOMEDICAL ENGINEERING

INDEPENDENT STUDY  B M E 490  1- 6 CREDITS
Prereq: PERMISSION OF CHAIR FOR BIODEVINGEER
INSTRUCTOR
******* SEE DEPT FOR REFERENCE NUMBERS

BIOMEDICAL SCIENCES

PRINCIPAL OF ANAT  B M S 448X  4 CREDITS
Prereq: BIOC 255 OR EQUIVALENT AND AN INTRODUCTORY BIOC SCI.
Note: CREDIT FROM ONLY ONE ENROLLMENT IN B M S 448X
MAY BE APPLIED TOWARD GRADUATION
9781005 1 MTW 9:00-9:50
MTRR 10:00-11:50
MEETS: MAY 13-JULY 11
Note: Materials and equipment use fee $80.00

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

INDEPENDENT STUDY HONORS  B M S 490H  1- 5 CREDITS
Prereq: INSTRUCTER PERMISSION, HONORS PROGRAM MEMBERSHIP
Note: COURSE RESTRICTED TO HONORS PROGRAM STUDENTS
******* SEE DEPT FOR REFERENCE NUMBERS

INTL' Preceptorship  B M S 496  1-12 CREDITS
Prereq: SECOND-YEAR CLASSIFICATION IN VET MED
6973805 S2 ARRANGED
MEETS: MAY 20-AUG 9

RES MTND BIOMED SCI  B M S 501  3 CREDITS
Prereq: GRADUATE CLASSIFICATION, PERMISSION OF A B M S FACULTY MEMBER
6978005 1 ARRANGED
MEETS: MAY 20-AUG 9

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

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

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

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

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

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

SEMINAR  B M S 698B  1 CREDIT
Prereq: ENROLLMENT IN B M S GRADUATE PROGRAM
Satisfactory-Fail Only.
6995005 1 ARRANGED
MEETS: MAY 20-JULY 12

RESEARCH ANATOMY  B M S 699A VAR. CREDITS
Prereq: ENROLLMENT IN B M S GRADUATE PROGRAM
******* SEE DEPT FOR REFERENCE NUMBERS

RESEARCH PHYSIOLOGY  B M S 699B VAR. CREDITS
Prereq: ENROLLMENT IN B M S GRADUATE PROGRAM
******* SEE DEPT FOR REFERENCE NUMBERS

RESEARCH PHARMACOLOGY  B M S 699C VAR. CREDITS
Prereq: ENROLLMENT IN B M S GRADUATE PROGRAM
******* SEE DEPT FOR REFERENCE NUMBERS

RESEARCH CELL BIOC  B M S 699D VAR. CREDITS
Prereq: ENROLLMENT IN B M S GRADUATE PROGRAM
******* SEE DEPT FOR REFERENCE NUMBERS

BIORENEWABLE CHEMICALS

SPL TOP K-12 SCI ED BR C 590K  2 CREDITS
9764005 1 ARRANGED
MEETS: JULY 8-26
9764010 2 ARRANGED
MEETS: JUNE 10-JULY 26

BIORENEWABLE RESOURCES & TECHNOLOGY

SPECIAL TOPICS  BRT 590  1- 3 CREDITS
Prereq: PERMISSION OF INSTRUCTOR OR MAJOR PROF
******* SEE DEPT FOR REFERENCE NUMBERS

RESEARCH  BRT 699 VAR. CREDITS
Prereq: PERMISSION OF STUDENT'S MAJOR PROFESSOR
******* SEE DEPT FOR REFERENCE NUMBERS

BUSINESS ADMINISTRATION

CAREER & EMPLOY PREP  BUSAD 203  1 CREDIT
Prereq: BUSAD 101 OR BUSAD 102
Note: COURSE NOT OPEN TO FIRST TERM FRESHMEN AND
GRADUATE STUDENTS
8860005 A TR 9:50-10:50
MEETS: MAY 20-JULY 12

INTRO TO BUSINESS  BUSAD 250  3 CREDITS
Prereq: CM 113
8807005 A1 MTWRF 12:10-2:10
MEETS: MAY 20-JUNE 14
Note: SECTION A1 RESTRICTED TO BUSINESS COLLEGE
UNDERGRADS ONLY
8807010 A2 MTWRF 12:10-2:10
MEETS: MAY 20-JUNE 14
Note: SECTION A2 RESTRICTED TO UNDERGRADS IN
COLLEGES OTHER THAN BUSINESS

EXP DOMESTIC INTERNSHIP  BUSAD 291A  1- 3 CREDITS
Prereq: WRITTEN APPROVAL OF SUPERVISING
INSTRUCTOR AND DEPARTMENT CHAIR ON REQUIRED FORM
PRIOR TO THE LEARNING EXPERIENCE.
Note: COURSE RESTRICTED TO BUSINESS COLLEGE FRESHMEN
THROUGH SENIORS
Satisfactory-Fail Only.
******* SEE DEPT FOR REFERENCE NUMBERS

COOPERATIVE EDUC  BUSAD 398 R CREDIT
Prereq: PERMISSION OF DEPARTMENT
Note: NO MORE THAN 3 ADDITIONAL CREDITS MAY BE
TAKEN IN SAME SEMESTER AS BUSAD 398
Satisfactory-Fail Only.
6147005 1 ARRANGED
MEETS: MAY 20-AUG 9
Note: Permission of coordinator required.

IND STDY ENTREPRENR  BUSAD 490E  1- 3 CREDITS
Prereq: SENIOR CLASSIFICATION; PERMISSION
OF INSTRUCTOR
Note: COURSE ONLY OFFERED FOR 3 CREDITS SUMMER 2019
Instructor permission required.
3635005 1 ARRANGED
MEETS: MAY 20-AUG 9

INDEPENDENT STUDY  BUSAD 490G  1- 3 CREDITS
Prereq: ACCEPTANCE IN PROFESSIONAL PROGRAM
IN BUSINESS; PERMISSION OF INSTRUCTOR
Note: Instructor permission required.
3634005 1 ARRANGED
MEETS: MAY 20-AUG 9

INDEPENDENT STUDY HONORS  BUSAD 490H  1- 3 CREDITS
Prereq: ADMISSION TO THE BUSINESS HONORS PROGRAM
Note: COURSE RESTRICTED TO HONORS PROGRAM STUDENTS ONLY
Instructor permission required.
******* SEE DEPT FOR REFERENCE NUMBERS

EXP DOMESTIC INTERNSHIP  BUSAD 491A  1- 3 CREDITS
Prereq: PROFESSIONAL PROGRAM, 12 CREDITS FROM
COLLEGE OF BUSINESS. WRITTEN APPROVAL OF SUPERVISING
INSTRUCTOR AND DEPARTMENT CHAIR ON REQUIRED FORM
PRIOR TO THE LEARNING EXPERIENCE.
Note: COURSE NOT OPEN TO P BUS
Instructor permission required.
Satisfactory-Fail Only.
******* SEE DEPT FOR REFERENCE NUMBERS

EXP DOMESTIC INTERNSHIP  BUSAD 491B  1- 3 CREDITS
Prereq: PROFESSIONAL PROGRAM, 12 CREDITS FROM
COLLEGE OF BUSINESS. WRITTEN APPROVAL OF SUPERVISING
INSTRUCTOR AND DEPARTMENT CHAIR ON REQUIRED FORM
PRIOR TO THE LEARNING EXPERIENCE.
Note: Instructor permission required.
Satisfactory-Fail Only.
******* SEE DEPT FOR REFERENCE NUMBERS
CHEMISTRY (CONTINUED)

ORGANIC CHEMISTRY I CHEM 331 3 CREDITS
Prereq: CHEM 178 OR CHEM 201, ENROLLMENT IN CHEM 331L HIGHLY RECOMMENDED
Note: CREDIT FOR EITHER CHEM 331L, CHEM 331, OR CHEM 331R MAY BE APPLIED TOWARD GRADUATION
2516005 1 MTWF 8:40-9:40
MEETS: MAY 20-JULY 12

LAB ORGANIC CHEM I CHEM 331L 1 CREDIT
Prereq: CHEM 177L OR CHEM 201L, ENROLLMENT IN CHEM 331L
Note: CREDIT FOR EITHER CHEM 331L OR CHEM 231L, BUT NOT BOTH, MAY BE APPLIED TOWARD GRADUATION
5270005 1 TR 9:50-12:50
MEETS: MAY 20-JULY 12
Section info: http://courses.chem.iastate.edu/

ORGANIC CHEMISTRY II CHEM 332 3 CREDITS
Prereq: CHEM 331. ENROLLMENT IN CHEM 332L HIGHLY RECOMMENDED.
2517005 1 MTWF 12:10-1:10
MEETS: MAY 20-JULY 12

LAB ORGANIC CHEM II CHEM 332L 1 CREDIT
Prereq: CHEM 331L OR ENROLLMENT IN CHEM 332L
Note: CREDIT IN CHEM 332L OR CHEM 334L, BUT NOT BOTH, MAY BE APPLIED TOWARD GRADUATION
5272005 1 TR 8:40-11:40
MEETS: MAY 20-JULY 12
Section info: http://courses.chem.iastate.edu/

UNDERGRAD RESEARCH CHEM 399 VAR. CREDITS
Prereq: PERMISSION OF INSTRUCTOR WITH WHOM STUDENT PROPOSES TO WORK AND JR OR SR IN CLASSIFICATION
Note: NO MORE THAN 6 TOTAL CREDITS OF CHEM 399 AND CHEM 499 MAY BE APPLIED TOWARD GRADUATION
******* SEE DEPT FOR REFERENCE NUMBERS

INDEPENDENT STUDY CHEM 490 VAR. CREDITS
Prereq: COMPLETION OF 6 CREDITS IN CHEM AT THE 300 LEVEL OR HIGHER AND INSTRUCTOR PERMISSION
Note: NO MORE THAN 9 CREDITS OF CHEM 490 MAY BE APPLIED TOWARD GRADUATION
******* SEE DEPT FOR REFERENCE NUMBERS

COOPERATIVE EDUCATN CHEM 498 R CREDIT
Prereq: PERMISSION OF THE DEPT COORDINATOR; SENIOR CLASSIFICATION
4841005 1 ARRANGED
MEETS: MAY 20-AUG 9

SENIOR RESEARCH CHEM 499 2-3 CREDITS
Prereq: PERMISSION OF INSTRUCTOR WITH WHOM STUDENT PROPOSES TO WORK; B AVG IN ALL CHEMISTRY, PHYSICS, AND MATHEMATICS COURSES
Note: NO MORE THAN 6 TOTAL CREDITS OF CHEM 499 AND CHEM 399 MAY BE APPLIED TOWARD GRADUATION
******* SEE DEPT FOR REFERENCE NUMBERS

NONTHESIS RESEARCH CHEM 599 VAR. CREDITS
Prereq: PERMISSION OF INSTRUCTOR
******* SEE DEPT FOR REFERENCE NUMBERS

SEMIR INORGNC CHEM CHEM 600 1 CREDIT
Prereq: PERMISSION OF INSTRUCTOR
2563005 1 ARRANGED
MEETS: MAY 20-AUG 9

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

CHINESE

INDEPENDENT STUDY CHIN 490 1-6 CREDITS
Prereq: 6 CR IN CHINESE; PERMISSION OF DEPT CHAIR
Note: Permission of department chair required
******* SEE DEPT FOR REFERENCE NUMBERS

CIVIL ENGINEERING

PRIN ENVIRONMT ENGR C E 326 3 CREDITS
Prereq: CHEM 177 OR CHEM 178, MATH 166, CREDIT OR ENROLLMENT IN E M 378
2284005 1 TR 2:30-4:30
MEETS: MAY 20-AUG 9

CIVIL ENGINEERING (CONTINUED)

STRUCTURAL ANALYS I C E 332 3 CREDITS
Prereq: E M 324
2285005 1 MF 7:30-8:30
MEETS: MAY 20-JULY 12

STRUCT STEEL DSGN I C E 333 3 CREDITS
Prereq: C E 326
2286005 1 MF 9:50-12:00
MEETS: MAY 20-JULY 12

REIN CONCRETE DSN I C E 334 3 CREDITS
Prereq: E M 327
2287005 1 MF 7:30-8:30
MEETS: MAY 20-JULY 12

SUMMER INTERNSHIP C E 396 R CREDIT
Prereq: PERMISSION OF DEPT AND ENGR CAREER SERVICES
Note: NO MORE THAN 6 TOTAL CREDITS OF CHEM 399 AND CHEM 490 MAY BE APPLIED TOWARD GRADUATION
3067005 1 ARRANGED
MEETS: MAY 20-JULY 12

SUMMER INTERNSHIP C E 397 R CREDIT
Prereq: PERMISSION OF DEPT AND ENGR CAREER SERVICES
Note: NO MORE THAN 6 TOTAL CREDITS OF CHEM 399 AND CHEM 490 MAY BE APPLIED TOWARD GRADUATION
3068005 1 ARRANGED
MEETS: MAY 20-JULY 12

INDEPENDENT STUDY C E 490 1-3 CREDITS
Prereq: PERMISSION OF INSTRUCTOR
******* SEE DEPT FOR REFERENCE NUMBERS

INDEPENDENT STUDY HONORS C E 490H 1-3 CREDITS
Prereq: PERMISSION OF INSTRUCTOR, MEMBERSHIP IN THE HONORS PROGRAM
Note: CREDIT RESTRICTED TO HONORS PROGRAM STUDENTS ONLY
******* SEE DEPT FOR REFERENCE NUMBERS

INDEPENDENT STUDY C E 491 1-3 CREDITS
Prereq: PERMISSION OF INSTRUCTOR
******* SEE DEPT FOR REFERENCE NUMBERS

INDEPENDENT STUDY C E 492 1-3 CREDITS
Prereq: PERMISSION OF INSTRUCTOR
******* SEE DEPT FOR REFERENCE NUMBERS

ADVANCED TOPICS C E 690 1-3 CREDITS
Prereq: PRE-ENROLLMENT CONTRACT REQUIRED
******* SEE DEPT FOR REFERENCE NUMBERS

ENGINEER INTERNSHIP C E 697 R CREDIT
Prereq: PERMISSION OF DEPT COORDINATOR, GRAD CLASSIF
Note: Department permission required.

SPECIAL TOPICS C E 590 1-5 CREDITS
******* SEE DEPT FOR REFERENCE NUMBERS

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

SPECIAL TOPICS C E 690 1-3 CREDITS
Prereq: PRE-ENROLLMENT CONTRACT REQUIRED
******* SEE DEPT FOR REFERENCE NUMBERS

SPECIAL TOPICS C E 699 1-3 CREDITS
Prereq: PRE-ENROLLMENT CONTRACT REQUIRED
******* SEE DEPT FOR REFERENCE NUMBERS

INDEPENDENT STUDY C E 491 1-3 CREDITS
Prereq: PERMISSION OF INSTRUCTOR
Note: INSTRUCTOR PERMISSION REQUIRED
******* SEE DEPT FOR REFERENCE NUMBERS

ENGINEER INTERNSHIP C E 697 R CREDIT
Prereq: PERMISSION OF DEPT COORDINATOR, GRAD CLASSIF
Note: Department permission required.

SUMMER INTERNSHIP C E 698 R CREDIT
Prereq: PERMISSION OF DEPT AND ENGR CAREER SERVICES
Note: NO MORE THAN 6 TOTAL CREDITS OF CHEM 399 AND CHEM 490 MAY BE APPLIED TOWARD GRADUATION
3067005 1 ARRANGED
MEETS: MAY 20-JULY 12

SUMMER INTERNSHIP C E 699 R CREDIT
Prereq: PERMISSION OF DEPT AND ENGR CAREER SERVICES
Note: NO MORE THAN 6 TOTAL CREDITS OF CHEM 399 AND CHEM 490 MAY BE APPLIED TOWARD GRADUATION
3068005 1 ARRANGED
MEETS: MAY 20-JULY 12

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

CLASSICAL STUDIES

INDEPENDENT STUDY CL ST 490 1-6 CREDITS
Prereq: 7 CR IN CL ST AT 200 LEVEL OR HIGHER; PERMISSION OF DEPT CHAIR
Note: Instructor permission required
******* SEE DEPT FOR REFERENCE NUMBERS

COMMUNICATION STUDIES

INTRO COMMUNIC STDI COMST 101 3 CREDITS
7918005 1 MTWF 2:30-4:30
MEETS: MAY 20-JUNE 14

CONFLICT MANAGEMENT COMST 218 3 CREDITS
7314010 2 MTW 9:50-12:50
MEETS: MAY 20-JUNE 14

INDEPENDENT STUDY COMST 490 1-3 CREDITS
Prereq: 9 CREDITS IN COMST, JUNIOR CLASSIFICATION
Note: Instructor permission required
******* SEE DEPT FOR REFERENCE NUMBERS

INDEPENDENT STUDY COMST 491 1-3 CREDITS
Prereq: 9 CREDITS IN COMST, JUNIOR CLASSIFICATION
Note: Instructor permission required
******* SEE DEPT FOR REFERENCE NUMBERS

RESEARCH PRACTICUM COMST 491 VAR. CREDITS
Prereq: COMST 203, COMST 301, AND PERMISSION OF INSTRUCTOR
******* SEE DEPT FOR REFERENCE NUMBERS

PROFESSNL INTERNSHP COMST 497 1-3 CREDITS
Prereq: PERMISSION OF DEPT CHAIR
Note: Instructor permission required
******* SEE DEPT FOR REFERENCE NUMBERS
COMMUNITY & REGIONAL PLANNING

PRACTICUM  C R P 330  1- 3 CREDITS
Prereq: MAJOR IN COMMUNITY AND REGIONAL PLANNING
Satisfactory-Fail Only.
2386005  1 ARRANGED
MEETS: MAY 20-AUG 9

PRO WORK EXPERIENCE  C R P 410  R CREDIT
Prereq: PERMISSION OF DEPARTMENT CHAIR
2710005  1 ARRANGED
MEETS: MAY 20-AUG 9

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

INDEP STUDY HONORS  C R P 490H  1- 3 CREDITS
Prereq: WRITTEN APPROVAL OF INSTRUCTOR AND DEPARTMENT CHAIR ON REQUIRED FORM. MEMBERSHIP IN UNIVERSITY HONORS PROGRAM.
Note: RESTRICTED TO MEMBERS OF UNIV HONORS PROGRAM ONLY
Instructor permission required 1st week.
Satisfactory-Fail Only.

SPL TOP LAW,ADM  C R P 590A  1- 3 CREDITS
Prereq: GRAD CLASSIFICATION AND WRITTEN APPROVAL OF INSTRUCTOR AND DEPARTMENT CHAIR ON REQUIRED FORM
Note: Instructor permission required 1st week.
Satisfactory-Fail Only.

SPL TOPC ECON DEVEL  C R P 590B  1- 3 CREDITS
Prereq: GRAD CLASSIFICATION AND WRITTEN APPROVAL OF INSTRUCTOR AND DEPARTMENT CHAIR ON REQUIRED FORM
Note: Instructor permission required 1st week.
Satisfactory-Fail Only.

SPL TOPC URBAN DSGN  C R P 590C  1- 3 CREDITS
Prereq: GRAD CLASSIFICATION AND WRITTEN APPROVAL OF INSTRUCTOR AND DEPARTMENT CHAIR ON REQUIRED FORM
Note: Instructor permission required 1st week.
Satisfactory-Fail Only.

SPL TP PLAN LAW,ADM  C R P 590Q  1- 3 CREDITS
Prereq: GRAD CLASSIFICATION AND WRITTEN APPROVAL OF INSTRUCTOR AND DEPARTMENT CHAIR ON REQUIRED FORM
Note: Instructor permission required 1st week.

SPL TP DIVERSITY  C R P 590R  1- 3 CREDITS
Prereq: GRAD CLASSIFICATION AND WRITTEN APPROVAL OF INSTRUCTOR AND DEPARTMENT CHAIR ON REQUIRED FORM
Note: Instructor permission required 1st week.

NOTICE: Instructor permission required 1st week.

PREREQ: GRAD CLASSIFICATION AND WRITTEN APPROVAL

COMMUNITY & REGIONAL PLANNING (CONTINUED)

SPECIAL TOPICS GIS  C R P 590R  1- 3 CREDITS
Prereq: GRAD CLASSIFICATION AND WRITTEN APPROVAL OF INSTRUCTOR AND DEPARTMENT CHAIR ON REQUIRED FORM
Note: Instructor permission required 1st week.

RESEARCH  C R P 599  VAR. CREDITS
Satisfactory-Fail Only.

COMPUTER ENGINEERING

DIG LOGIC,PROC&R, P I  CPR E 281  4 CREDITS
Prereq: SOPHOMORE CLASSIFICATION
7321005  A MTWRF 9:50-10:50
TR 2:30-5:30
MEETS: MAY 20-JULY 12

EMBEEDE SYS I:INTRO  CPR E 288  4 CREDITS
Prereq: CPR E 281, COM S 207 OR 227 OR E 285
3364005  A MTWRF 8:40-9:40
TR 12:10-2:10
MEETS: MAY 20-JULY 12

SOFTWARE PROJECT MGT  CPR E 329  3 CREDITS
Prereq: COM S 309
6832005  A MTWRF 4:50-6:40PM
MEETS: MAY 20-JULY 12

INDEPENDENT STUDY  CPR E 390  1- 3 CREDITS
Prereq: SENIOR CLASSIFICATION IN COMPUTER ENGR
Note: DEPARTMENT permission required 1st week.

SPECIAL TOPICS  CPR E 390  1- 6 CREDITS
Satisfactory-Fail Only.

CAREER SERVICES

COOPERATIVE EDUCATN  CPR E 396  R CREDIT
Prereq: PERMISSION OF DEPARTMENT AND ENGINEERING CAREER SERVICES
Satisfactory-Fail Only.

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

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

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

SPECIAL TOPICS  CPR E 590  1- 6 CREDITS
Satisfactory-Fail Only.

CREATIVE COMPONENT  CPR E 599  VAR. CREDITS
Satisfactory-Fail Only.

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

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

COMPUTER SCIENCE

CAREER SERVICES

COMPUTER APPLICATIONS  COM S 103  4 CREDITS
Note: CREDIT FOR EITHER COM S 103 OR COM S 113/COM S 113X, BUT NOT BOTH, MAY BE APPLIED TOWARD GRADUATION
2673005  1 ARRANGED
MEETS: JUNE 17- AUG 9

Note: Course delivery is WWW
**CONSTRUCTION ENGINEERING (CONTINUED)**

**INDEPENDENT STUDY**

**CON E 490** 1-5 CREDITS

**Pre req:** PERMISSION OF INSTRUCTOR

**Benefits:** SEE DEPT FOR REFERENCE NUMBERS

**CRIMINAL JUSTICE STUDIES**

**CRIM JUV JUST PRAC**

**CJ ST 460** 3-12 CREDITS

**Pre req:** JR OR SR CLASSIFICATION; PERMISSION OF CJ ST COORDINATOR; MAJOR OR MINOR IN CJ ST

**Note:** NO MORE THAN 6 CREDITS OF CJ ST 460 MAY BE APPLIED TOWARD GRADUATION. NO CREDITS IN CJ ST 460 MAY BE USED TO SATISFY MINIMUM SOCIETY REQUIREMENTS FOR SOCIETY MAJORS.

**Satisfactory-Fail Only.**

**2581005 A ARRANGED**

**DELIST M**

**MEETS:** MAY 20-AUG 9

**2581010 B ARRANGED**

**DELIST M**

**MEETS:** MAY 20-JULY 12

**CURRICULUM & INSTRUCTION**

**EXP 1: Lang Technologies**

**C I 280B** 1-2 CREDITS

**Pre req:** C I 261 OR C I 262 FOR 2 CREDIT

**Enrollment permission of instructor is required.**

**Note:** COURSE ONLY OFFERED FOR 1 CREDIT SUMMER 2019

**Satisfactory-Fail Only.**

**6280005 1 ARRANGED**

**MEETS:** MAY 20-AUG 9

**Note:** Course delivery is WMW

**RDG&LANG ARTS**

**K-3RD C I 377** 4 CREDITS

**Pre req:** C I 245, SP ED 250, HS FS 240 (ECO MAJ)

**Concurrent enrollment in C I 465, C I 448, C I 468A, C I 468C (EL ED) OR C I 438, C I 468F, C I 468G;**

**SP ED 269, SP ED 369, ADMISSION TO TEACHER EDUC PROGRAM**

**Note:** COURSE RESTRICTED TO EL ED AND ECE MAJORS WITH FULL OR TENTATIVE ADMISSION TO THE UNIVERSITY TEACHER EDUCATION PROGRAM. TAKE CONCURRENTLY WITH 466A,466B,466C.

**2066005 1 ARRANGED**

**MEETS:** MAY 20-JUNE 14

**SOC JUSTICE**

**ED:EC&EL C I 405** 3 CREDITS

**Pre req:** C I 201, C I 312, JUNIOR CLASSIFICATION, ADMITTANCE TO THE UNIVERSITY TEACHER EDUCATION PROGRAM.

**Note:** Meets U.S. diversity reqmt

**8300005 1 ARRANGED**

**MEETS:** JUNE 17-JULY 12

**SOCIAL JUSTICE**

**ED:SEC C I 406** 3 CREDITS

**Pre req:** C I 201 OR C I 202, C I 312 OR C I 333, JUNIOR CLASSIFICATION IN SECUNDARY OR PR ED PROGRAMS; ADMISSION TO TEACHER PREP PROGRAM

**Note:** RESTRICTED TO STUDENTS WITH FULL OR TENTATIVE ADMISSION TO THE UNIVERSITY TEACHER EDUCATION PROGRAM. FOR STUDENTS IN SECEED, MEETS U.S. diversity reqmt

**6292005 1 ARRANGED**

**MEETS:** JUNE 17-JULY 12

**PRIN DISTANCE LEARN**

**C I 407** 3 CREDITS

**Pre req:** C I 201 OR C I 202, CONVENIENT ACCESS TO THE WEB

**Note:** THE ARRANGED TIME REPRESENTS MEETINGS YET TO BE SCHEDULED AS WELL AS WWW

**2078005 1 ARRANGED**

**MEETS:** JUNE 17-JULY 12

**TEACHING IA HISTORY**

**C I 422X** 3 CREDITS

**Note:** Meets U.S. diversity reqmt

**9997005 1 ARRANGED**

**MEETS:** MAY 20-AUG 9

**Note:** Course delivery is WMW

**PRINCIPLES SECONDARY ED**

**C I 426** 3 CREDITS

**Pre req:** MAJOR OR MINOR IN SECONDARY TEACHER EDUCATION PROGRAM

**Note:** RESTRICTED TO STUDENTS WITH FULL OR TENTATIVE ADMISSION TO THE UNIVERSITY TEACHER EDUCATION PROGRAM

**6293005 1 ARRANGED**

**MEETS:** MAY 20-JUNE 14
CURRICULUM & INSTRUCTION (CONTINUED)

TCHG OF SOC STUDIES C I 443 3 CREDITS
Prereq: C I 377; CONCURRENT ENROLLMENT IN C I 378, C I 466D (EL ED MAJORS)
Note: COURSE RESTRICTED TO EL ED, ECE MAJORS ONLY
Department permission required 1st week.
3258005 1 MTWR 3:00-5:30 MEETS: JULY 15-AUG 9

TCHNG CHILDREN MATH C I 448 3 CREDITS
Prereq: MATH 185 (C- OR BETTER); MATH 196 (C- OR BETTER); CONCURRENT ENROLLMENT IN C I 377, C I 468A, C I 468C, C I 405 (EL ED MAJORS) OR C I 377, C I 468F, G; SF ED 368 (ECE MAJORS)
Note: COURSE RESTRICTED TO EL ED MAJORS ONLY.
MUST BE TAKEN CONCURRENTLY WITH 468C, 477, 468A.
3260010 1 MTWR 12:30-3:00 MEETS: MAY 13-JUNE 6

TEACHING OF SCIENCE C I 449 3 CREDITS
Prereq: C I 377, CONCURRENT ENROLLMENT IN C I 378, C I 468B, C I 468D, AND C I 443.
Note: COURSE RESTRICTED TO EL ED MAJORS ONLY.
MUST BE TAKEN CONCURRENTLY WITH 468D, 378, 468B.
Department permission required 1st week.
3261010 1 MTWR 12:30-3:00 MEETS: MAY 13-JUNE 6

LITERACY/LANG ASKST C I 452 3 CREDITS
Prereq: C I 378 OR EQUIVALENT
6584005 1 MTWR 9:00-11:00 ARRANGED MEETS: JUNE 10-JULY 11
Note: MEETS JUNE 10-JULY 11. DUFFLEMEYER READING CLINIC
JUNE 17-JULY 3. REGISTER FOR SAME SECTION OF C I 488.
6584010 2 MTWR 9:00-11:00 ARRANGED MEETS: JUNE 10-JULY 11
Note: MEETS JUNE 10-JULY 11. DUFFLEMEYER READING CLINIC
JUNE 17-JULY 3. REGISTER FOR SAME SECTION OF C I 488.

EMERG TOPC DSGT TEC C I 454 1-3 CREDITS
Prereq: 201 OR 202
Note: COURSE OFFERED FOR 1 CREDIT SUMMER 2019
9460105 1 ARRANGED MEETS: JUNE 3-14
Note: SECTION I TOPIC: DIGITAL CITIZENSHIP
Course delivery is WWM

TCHG INTGRAT TECH C I 456 3 CREDITS
Prereq: 201 OR 202, 377
3257015 1 MTWRF 12:00-4:00 MEETS: MAY 20-AUG 9
Note: Department permission required 1st week.

EXP II:FRI ROD&LANG C I 468A 1 CREDIT
Prereq: FULL ADMISSION TO THE UNIVERSITY TEACHER EDUCATION PROGRAM
Note: COURSE RESTRICTED TO EL ED MAJORS WITH FULL OR TENTATIVE ADMISSION TO THE UNIVERSITY TEACHER EDUCATION PROGRAM. TAKE CONCURRENTLY WITH 377, 448, 468C.
Satisfactory-Fail Only.
3265005 1 MTWRF 7:30-12:30 MEETS: MAY 20-AUG 9

EXP II:RODG&LANG 4-6 C I 468B 1 CREDIT
Prereq: FULL ADMISSION TO THE UNIVERSITY TEACHER EDUCATION PROGRAM
Note: COURSE RESTRICTED TO EL ED MAJORS WITH FULL OR TENTATIVE ADMISSION TO THE UNIVERSITY TEACHER EDUCATION PROGRAM. TAKE CONCURRENTLY WITH 378, 448, 468D.
Satisfactory-Fail Only.
3266005 1 MTWRF 7:30-12:30 MEETS: MAY 20-AUG 9

EXP II:MATH PRIMARY C I 468C 1 CREDIT
Prereq: FULL ADMISSION TO THE UNIVERSITY TEACHER EDUCATION PROGRAM
Note: COURSE RESTRICTED TO EL ED MAJORS WITH FULL OR TENTATIVE ADMISSION TO THE UNIVERSITY TEACHER EDUCATION PROGRAM. MUST BE TAKEN CONCURRENTLY WITH 448, 468A, 377.
Satisfactory-Fail Only.
3267005 1 MTWRF 7:30-12:30 MEETS: MAY 20-AUG 9

EXP Recreation II: SCI 4-6 C I 468D 1 CREDIT
Prereq: FULL ADMISSION TO THE UNIVERSITY TEACHER EDUCATION PROGRAM
Note: COURSE RESTRICTED TO EL ED MAJORS WITH FULL OR TENTATIVE ADMISSION TO THE UNIVERSITY TEACHER EDUCATION PROGRAM. CONCURRENTLY WITH 449, 378, 468B.
Department permission required 1st week.
Satisfactory-Fail Only.
3268005 1 MTWRF 7:30-12:30 MEETS: MAY 20-AUG 9

CURRICULUM & INSTRUCTION (CONTINUED)

EXP II:READ ENDORSE C I 468R 1 CREDIT
Prereq: FULL ADMISSION TO UNIVERSITY TEACHER EDUCATION PROGRAM; PERMISSION OF SCHOOL OF EDUCATION REQUIRED; CONCURRENT ENROLLMENT IN C I 376
Note: RESTRICTED TO STUDENTS WITH FULL OR TENTATIVE ADMISSION TO THE UNIVERSITY TEACHER EDUCATION PROGRAM
Department permission required 1st week.
4300005 1 MTWRF 7:30-12:30 MEETS: MAY 20-AUG 9

EXPERIENCE III: ESL C I 480 2 CREDITS
Prereq: C I 260, ENGL 219 OR 219 OR ESL 511 OR LING 219; ENGL 511 OR LING 511; ENGL 220 OR LING 220; FULL ADMISSION TO THE UNIVERSITY TEACHER EDUCATION PROGRAM
Satisfactory-Fail Only.
7955005 1 ARRANGED MEETS: MAY 20-AUG 9

SUPVS TUTOR READING C I 489 3 CREDITS
Prereq: CONCURRENT ENROLLMENT IN OR COMPLETION OF ONE COURSE IN CORRECTIVE READING; DIAGNOSIS AND CORRECTION OF READING PROBLEMS
9461005 1 MTWR 11:00-1:00 ARRANGED MEETS: JUNE 10-JULY 11
Note: MEETS JUNE 10-JULY 11. DUFFLEMEYER READING CLINIC JUNE 17-JULY 3.
9461010 2 MTWR 11:00-1:00 ARRANGED MEETS: JUNE 10-JULY 11
Note: MEETS JUNE 10-JULY 11. DUFFLEMEYER READING CLINIC JUNE 17-JULY 3.

INDEP STUDY MUSIC ED C I 490A 3 CREDITS
Prereq: GPA OF 2.5 OR MORE FOR PRECEDING SEMESTER
Note: Instructor permission required 1st week.
****** SEE DEPT FOR REFERENCE NUMBERS

INDEP STUDY PRIN EDUC C I 490D 1-3 CREDITS
Prereq: GPA OF 2.5 OR MORE FOR PRECEDING SEMESTER
****** SEE DEPT FOR REFERENCE NUMBERS

INDEP STUDY METH TCHG C I 490E 1-3 CREDITS
Prereq: GPA OF 2.5 OR MORE FOR PRECEDING SEMESTER
****** SEE DEPT FOR REFERENCE NUMBERS

INDEP STUDY EDUC PSYCH C I 490F 1-3 CREDITS
Prereq: GPA OF 2.5 OR MORE FOR PRECEDING SEMESTER
****** SEE DEPT FOR REFERENCE NUMBERS

INDEP STUDY HONORS C I 490H 1-3 CREDITS
Prereq: GPA OF 2.5 OR MORE FOR PRECEDING SEMESTER
MEMBERSHIP IN UNIV HONORS PROGRAM
****** SEE DEPT FOR REFERENCE NUMBERS

INDEP STUDY MULTICUL ED C I 490J 1-3 CREDITS
Prereq: GPA OF 2.5 OR MORE FOR PRECEDING SEMESTER
****** SEE DEPT FOR REFERENCE NUMBERS

INDEP STUDY SOC SC C I 490K 1-3 CREDITS
Prereq: GPA OF 2.5 OR MORE FOR PRECEDING SEMESTER
****** SEE DEPT FOR REFERENCE NUMBERS

INDEP STUDY LITERACY ED C I 490L 1-3 CREDITS
Prereq: GPA OF 2.5 OR MORE FOR PRECEDING SEMESTER
****** SEE DEPT FOR REFERENCE NUMBERS

INDEP STUDY MATH EDUC C I 490M 1-3 CREDITS
Prereq: GPA OF 2.5 OR MORE FOR PRECEDING SEMESTER
****** SEE DEPT FOR REFERENCE NUMBERS

INDEP STUDY SCI EDUC C I 490P 1-3 CREDITS
Prereq: GPA OF 2.5 OR MORE FOR PRECEDING SEMESTER
****** SEE DEPT FOR REFERENCE NUMBERS

TCHNL IN TEACH&LAN C I 505 3 CREDITS
Prereq: GRADUATE CLASSIFICATION
2796005 1 MTWRF 12:00-2:00 MEETS: MAY 20-JUNE 14

INTRO SCIENCE TEACH C I 514 2 CREDITS
Prereq: ADMISSION TO M.A.T. PROGRAM
8372010 1 MW 3:30-8:30PM MEETS: MAY 20-AUG 9
<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
<th>Prerequisites</th>
</tr>
</thead>
<tbody>
<tr>
<td>PRIN SECONDARY EDUC C I 526</td>
<td>3</td>
<td>9 GRADUATE CREDITS IN EDUCATION</td>
</tr>
<tr>
<td>ED PSY &amp; SCDNY CSLRM C I 529</td>
<td>3</td>
<td>9 GRADUATE CREDITS IN EDUCATION</td>
</tr>
<tr>
<td>CORRECTIVE READING C I 552</td>
<td>3</td>
<td>C I 378 OR EQUIV</td>
</tr>
<tr>
<td>TCH STRUGL ADOL RDR C I 553</td>
<td>3</td>
<td>9 GRADUATE CREDITS IN EDUCATION</td>
</tr>
<tr>
<td>RDGRSPNLD CHILD LIT C I 554</td>
<td>3</td>
<td>SENIOR STATUS OR TEACHING LICENSE</td>
</tr>
<tr>
<td>LITERACY, LDRSHIP, ADV C I 555</td>
<td>3</td>
<td>GRADUATE STANDING</td>
</tr>
<tr>
<td>TECHNOL IN READ&amp;LANG C I 556</td>
<td>3</td>
<td>GRADUATE STATUS, TEACHING LICENSE</td>
</tr>
<tr>
<td>SUPVS TUTOR READING C I 588</td>
<td>3</td>
<td>GRADUATE STATUS, TEACHING LICENSE</td>
</tr>
<tr>
<td>SPCL TOP CURRIC C I 590A</td>
<td>1-3</td>
<td>GRADUATE CREDITS IN EDUCATION</td>
</tr>
<tr>
<td>SPL TOP DIGITAL LRNG C I 590B</td>
<td>1-3</td>
<td>GRADUATE CREDITS IN EDUCATION</td>
</tr>
<tr>
<td>SPL TOP SCIENCE EDUC C I 590C</td>
<td>1-3</td>
<td>GRADUATE CREDITS IN EDUCATION</td>
</tr>
<tr>
<td>SPL TOPICS SEC EDUC C I 590D</td>
<td>1-3</td>
<td>GRADUATE CREDITS IN EDUCATION</td>
</tr>
<tr>
<td>SP TOP ED SOC JUSTC C I 590F</td>
<td>1-3</td>
<td>GRADUATE CREDITS IN EDUCATION</td>
</tr>
<tr>
<td>SPL TOPS MATH EDUC C I 590G</td>
<td>1-3</td>
<td>GRADUATE CREDITS IN EDUCATION</td>
</tr>
<tr>
<td>SPL TOP WORLD LANGU C I 590J</td>
<td>1-3</td>
<td>GRADUATE CREDITS IN EDUCATION</td>
</tr>
<tr>
<td>SCIENCE EDU WSHOP C I 593C</td>
<td>1-3</td>
<td>GRADUATE CREDITS IN EDUCATION</td>
</tr>
<tr>
<td>CRTV COMP CURRICULUM C I 599A</td>
<td>1-3</td>
<td>GRADUATE CREDITS IN EDUCATION</td>
</tr>
<tr>
<td>CRTV COMP MATH EDUC C I 599G</td>
<td>1-3</td>
<td>GRADUATE CREDITS IN EDUCATION</td>
</tr>
<tr>
<td>CRTV COMP EDU PSYC C I 599K</td>
<td>1-3</td>
<td>GRADUATE CREDITS IN EDUCATION</td>
</tr>
<tr>
<td>CRTV COMP EDU PSYCH C I 599J</td>
<td>1-3</td>
<td>GRADUATE CREDITS IN EDUCATION</td>
</tr>
<tr>
<td>CRTV COMP EDUC PSYCH C I 599F</td>
<td>1-3</td>
<td>GRADUATE CREDITS IN EDUCATION</td>
</tr>
<tr>
<td>CRTV COMP SECNDY EDUC C I 599R</td>
<td>1-3</td>
<td>GRADUATE CREDITS IN EDUCATION</td>
</tr>
<tr>
<td>CRTV COMP MULTICUL ED C I 599B</td>
<td>1-3</td>
<td>GRADUATE CREDITS IN EDUCATION</td>
</tr>
<tr>
<td>CRTV COMP MULTICUL ED C I 599C</td>
<td>1-3</td>
<td>GRADUATE CREDITS IN EDUCATION</td>
</tr>
<tr>
<td>CRTV COMP MULTICUL ED C I 599D</td>
<td>1-3</td>
<td>GRADUATE CREDITS IN EDUCATION</td>
</tr>
<tr>
<td>CRTV COMP MULTICUL ED C I 599E</td>
<td>1-3</td>
<td>GRADUATE CREDITS IN EDUCATION</td>
</tr>
<tr>
<td>CURRICULUM &amp; INSTRUCTION (CONTINUED)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>SCRNTY CURRICULUM C I 699A</td>
<td></td>
<td>GRADUATE CREDITS IN EDUCATION</td>
</tr>
<tr>
<td>RSRC DIGITAL LEARN C I 699B</td>
<td></td>
<td>GRADUATE CREDITS IN EDUCATION</td>
</tr>
<tr>
<td>RESRCH CURRICULUM C I 699C</td>
<td></td>
<td>GRADUATE CREDITS IN EDUCATION</td>
</tr>
<tr>
<td>RESRCH CURRICULUM C I 699D</td>
<td></td>
<td>GRADUATE CREDITS IN EDUCATION</td>
</tr>
<tr>
<td>RESRCH CURRICULUM C I 699E</td>
<td></td>
<td>GRADUATE CREDITS IN EDUCATION</td>
</tr>
<tr>
<td>RESEARCH MATH EDUC C I 699F</td>
<td></td>
<td>GRADUATE CREDITS IN EDUCATION</td>
</tr>
<tr>
<td>RESEARCH MATH EDUC C I 699G</td>
<td></td>
<td>GRADUATE CREDITS IN EDUCATION</td>
</tr>
</tbody>
</table>
CURRICULUM & INSTRUCTION  (CONTINUED)

RESEARCH ELEM EDUC C I 6991 VAR. CREDITS
Prereq: 9 GRADUATE CREDITS IN EDUCATION
****** SEE DEPT FOR REFERENCE NUMBERS

RESCH WRLD LANGU ED C I 6993 VAR. CREDITS
Prereq: 9 GRADUATE CREDITS IN EDUCATION
****** SEE DEPT FOR REFERENCE NUMBERS

RESCH PSYCHOL C I 6995 VAR. CREDITS
Prereq: 9 GRADUATE CREDITS IN EDUCATION
****** SEE DEPT FOR REFERENCE NUMBERS

RESCH SOC STUDY ED C I 6996 VAR. CREDITS
Prereq: 9 GRADUATE CREDITS IN EDUCATION
****** SEE DEPT FOR REFERENCE NUMBERS

RESCH LITERACY ED C I 6997 VAR. CREDITS
Prereq: 9 GRADUATE CREDITS IN EDUCATION
****** SEE DEPT FOR REFERENCE NUMBERS

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

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

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

DESIGN
DESIGN STUDIO I DES 240 2 CREDITS
Prereq: DSN S 102, DSN S 131 AND DSN S 183
4959005 1 MW 12:10–12:30
MEETS: MAY 20–JULY 12
Note: TOPIC – FREEDOM & CONSTRAINT: THE GRID IN VISUAL CULTURE

DESIGN STUDIO II DES 250 2 CREDITS
Prereq: DSN S 102, DSN S 131, DSN S 183, CREDIT OR CONCURRENT ENROLLMENT IN DES 230
4960005 1 MW 9:50–11:30
MEETS: MAY 20–JULY 12

DESIGN STUDIES
PRACTICAL EXPERIENCE DSN S 310 R CREDIT
Prereq: PERMISSION OF ADVISER OR COORDINATOR OF DESIGN STUDIES
Satisfactory–Fail Only.
5669005 1 ARRANGED
MEETS: MAY 20–AUG 9

INDEPENDENT STUDY DMINICAT DSN S 490C 1–4 CREDITS
Prereq: WRITTEN APPROVAL OF INSTRUCTOR AND DEPT CHAIR ON REG'D FORM PRIOR TO SEMESTER OF ENROLLMENT
****** SEE DEPT FOR REFERENCE NUMBERS

INDEPENDENT STUDY DESIGN DSN S 490D 1–4 CREDITS
Prereq: WRITTEN APPROVAL OF INSTRUCTOR AND DEPT CHAIR ON REG'D FORM PRIOR TO SEMESTER OF ENROLLMENT
****** SEE DEPT FOR REFERENCE NUMBERS

INDEPENDENT STUDY ENTREPRN DSN S 490E 1–4 CREDITS
Prereq: WRITTEN APPROVAL OF INSTRUCTOR AND DEPT CHAIR ON REG'D FORM PRIOR TO SEMESTER OF ENROLLMENT
****** SEE DEPT FOR REFERENCE NUMBERS

INTERDIS DSN STUDIO DSN S 546 4–6 CREDITS
Prereq: GRADUATE OR SENIOR STANDING IN THE COLLEGE OF DESIGN AND PERMISSION OF INSTRUCTOR
Note: COURSE ONLY OFFERED FOR 4 CREDITS SUMMER 2018
2878005 1 MTRF 8:40–12:40
MEETS: MAY 20–JULY 12
2878010 2 MTRF 12:20–4:20
MEETS: MAY 20–JULY 12

SPECIAL TOPICS DSN S 590 1–4 CREDITS
Prereq: WRITTEN APPROVAL OF INSTRUCTOR AND DEPT CHAIR ON REG'D FORM PRIOR TO SEMESTER OF ENROLLMENT
****** SEE DEPT FOR REFERENCE NUMBERS

SPECIAL TOPICS EEB 590 1–3 CREDITS
Prereq: GRAD CLASSIFICATION AND INSTR PERMISN
****** SEE DEPT FOR REFERENCE NUMBERS

ECOLOGY & EVOLUTIONARY BIOLOGY

SPECIAL TOPICS EEB 590 1–3 CREDITS
Prereq: GRAD CLASSIFICATION AND INSTR PERMISN
****** SEE DEPT FOR REFERENCE NUMBERS

ECOLOGY & EVOLUTION BIOLOGY  (CONTINUED)

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

ECOLOGY, EVOLUTION & ORGANISMAL BIOLOGY

SPECIAL TOPICS ECOLOGY EEB 590A 1–3 CREDITS
Prereq: 10 CR IN BIOL, INSTRUCTOR PERMISSION
****** SEE DEPT FOR REFERENCE NUMBERS

SPECIAL TOPICS ECOLOGY EEB 590B 1–3 CREDITS
Prereq: 10 CR IN BIOL, INSTRUCTOR PERMISSION
****** SEE DEPT FOR REFERENCE NUMBERS

CREATIVE COMPONENT EEB 599 VAR. CREDITS
2145005 1 ARRANGED
MEETS: MAY 20–AUG 9

SEMINAR EEB 698 1 CREDIT
****** SEE DEPT FOR REFERENCE NUMBERS

RESEARCH EEB 699 VAR. CREDITS
Satisfactory–Fail Only.
****** SEE DEPT FOR REFERENCE NUMBERS

ECONOMICS

PRINCIPAL MICROECONOMICS ECON 101 3 CREDITS
3100005 1 MTRF 11:00–12:00
MEETS: MAY 20–JULY 12
Section info: http://www.econ.iastate.edu/programs/course/defaultcourseinfo.asp

PRINCIPAL MACROECONOMICS ECON 301 3–4 CREDITS
3099005 1 MTRF 8:40–9:40
MEETS: MAY 20–JULY 12
Section info: http://www.econ.iastate.edu/programs/course/defaultcourseinfo.asp

COOPERATIVE EDUC ECON 298 R CREDIT
Prereq: PERMISSION OF THE DEPT COOPERATIVE EDUCATION COORDINATOR; SOPHMORE CLASSIFICATION
Note: Instructor permission required.

COOPERATIVE EDUC ECON 398 R CREDIT
Prereq: PERMISSION OF THE DEPT COOPERATIVE EDUCATION COORDINATOR; JUNIOR CLASSIFICATION
Note: Permission of adviser required.

COOPERATIVE EDUC ECON 490 1–5 CREDITS
4835005 1 ARRANGED
MEETS: MAY 20–AUG 9

INDEPENDENT STUDY ECON 490 1–5 CREDITS
Prereq: JR/SR CLASSIFICATION, 14 CREDITS IN ECON
Note: COLLEGE OF AG STUDENTS MAY APPLY NO MORE THAN 6 CREDITS OF ECON 490 TOWARD THE TOTAL CREDITS REQUIRED FOR GRADUATION. LAS COLLEGE MAJORS MAY APPLY NO MORE THAN 9 CREDITS OF ECON 490 TOWARD GRADUATION.
Satisfactory–Fail Only.
****** SEE DEPT FOR REFERENCE NUMBERS

INDEPENDENT STUDY HONORS ECON 490H 1–5 CREDITS
Prereq: JR/SR CLASSIFICATION, 14 CREDITS IN ECON
Note: COLLEGE OF AG STUDENTS MAY APPLY NO MORE THAN 6 CREDITS OF ECON 490 TOWARD THE TOTAL CREDITS REQUIRED FOR GRADUATION. LAS COLLEGE MAJORS MAY APPLY NO MORE THAN 9 CREDITS OF ECON 490 TOWARD GRADUATION.
Restricted to University Honors Program Students Only
Satisfactory–Fail Only.
****** SEE DEPT FOR REFERENCE NUMBERS

COOPERATIVE EDUC ECON 498 R CREDIT
Prereq: PERMISSION OF THE DEPT COOPERATIVE EDUCATION COORDINATOR; SENIOR CLASSIFICATION
Note: Permission of adviser required.

1ST SS 2019
ECONOMICS (CONTINUED)

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

CREATIVE COMPONENT ECON 599 1-5 CREDITS Satisfactory-Fail Only. ******* SEE DEPT FOR REFERENCE NUMBERS

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

WORKSHOP ECON 693 3 CREDITS Satisfactory-Fail Only. 8649005 1 ARRANGED MEETS: MAY 20-AUG 9

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

EDUCATIONAL ADMINISTRATION

SPECIAL TOPICS EDADM 590 1-4 CREDITS Prereq: 9 CREDITS IN EDUCATION ******* SEE DEPT FOR REFERENCE NUMBERS

FIELD EXPERIENCE EDADM 591A 1-6 CREDITS Prereq: EDADM 541, ADMISS TO PROGRAM & INSTR’S APPROVAL 9422002 AM ARRANGED MICICH A MEETS: MAY 20-AUG 9

FIELD EXPERIENCE EDADM 591B 1-6 CREDITS Prereq: EDADM 541, ADMISS TO PROGRAM & INSTR’S APPROVAL SPECIAL TOPICS EDADM 690 1-3 CREDITS Prereq: 9 CREDITS IN EDUCATIONAL ADMINISTRATION ******* SEE DEPT FOR REFERENCE NUMBERS

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

EDUCATIONAL LEADERSHIP & POLICY ST

SOC JUSTIC FIELD EXP ELPS 591 1-3 CREDITS Prereq: EL PS 620 ******* SEE DEPT FOR REFERENCE NUMBERS

CAPSTONE EXPERIENCE ELPS 616 3 CREDITS Prereq: 4 CREDITS OF ELPS 615 ******* SEE DEPT FOR REFERENCE NUMBERS

ELECTRICAL ENGINEERING

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

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

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

INDEPENDENT STUDY EE 490 VAR. CREDITS Prereq: PERMISSION OF INSTRUCTOR Note: Instructor permission required 1st week. ******* SEE DEPT FOR REFERENCE NUMBERS

INDEPENDENT STUDY HONORS EE 490H VAR. CREDITS Prereq: SENIOR CLASSIFICATION IN ELECTRICAL ENGR MEMBERSHIP IN UNIV HONORS PROGRAM Note: Course restricted to honors program students only Instructor permission required 1st week. ******* SEE DEPT FOR REFERENCE NUMBERS

SPL TOP ELECTROMAGN EE 590A 1-6 CREDITS ******* SEE DEPT FOR REFERENCE NUMBERS

ELECTRICAL ENGINEERING (CONTINUED)

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

SPL TOP COMMUNICATIONS SYS EE 590C 1-6 CREDITS ******* SEE DEPT FOR REFERENCE NUMBERS

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

SPL TOP ELECTRIC POWER EE 590F 1-6 CREDITS ******* SEE DEPT FOR REFERENCE NUMBERS

SPL TOP ELECTRIC MACHS EE 590G 1-6 CREDITS ******* SEE DEPT FOR REFERENCE NUMBERS

SPL TOP ELECTRONIC CIRCUITS & SYSTEMS EE 590H 1-6 CREDITS ******* SEE DEPT FOR REFERENCE NUMBERS

SPL TOP SIGNAL PROCESSING EE 590I 1-6 CREDITS ******* SEE DEPT FOR REFERENCE NUMBERS

SPL TOP ELECTRIC POWER EE 590F 1-6 CREDITS ******* SEE DEPT FOR REFERENCE NUMBERS

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

ENGINEERING INTERNSHIP EE 697 R CREDIT 5716005 1 ARRANGED MEETS: MAY 20-AUG 9 Note: Department permission required.

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

ENGINEERING MECHANICS

ENGINEERING STATICS EM 274 3 CREDITS Prereq: PHYS 221, CREDIT OR ENROLLMENT IN MATH 166 Note: CREDIT IN MAT E 319X, OR THE EM 274 AND EM 324 PAIR OF COURSES, BUT NOT BOTH, MAY BE APPLIED TOWARD GRADUATION 3004005 1 MTWRF 8:40-9:40 MEETS: MAY 20-JULY 12

MECHANICAL MATERIALS EM 324 3 CREDITS Prereq: E M 274 Note: CREDIT IN MAT E 319X, OR THE E M 274 AND E M 324 PAIR OF COURSES, BUT NOT BOTH, MAY BE APPLIED TOWARD GRADUATION 3007005 1 MTWRF 9:50-10:50 ALTUKHOVA N MEETS: MAY 20-JULY 12

ENGINEERING DYNAMICS EM 345 3 CREDITS Prereq: E M 274, CR OR ENROLLMENT IN MATH 266 OR MATH 267 E M 599 VAR. CREDITS 3010005 1 MTWRF 12:10-1:10 MEETS: MAY 20-JULY 12

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

SPL TOPIC THIN FILMS EM 590H 1-4 CREDITS Prereq: PERMISSION OF INSTRUCTOR Note: Instructor permission required. ******* SEE DEPT FOR REFERENCE NUMBERS

SPL TOPIC HELIUM GAS EM 590I 1-4 CREDITS Prereq: PERMISSION OF INSTRUCTOR Note: Instructor permission required. ******* SEE DEPT FOR REFERENCE NUMBERS

SPL TOPIC CONTROL SYSTEMS EM 590B 1-4 CREDITS Prereq: PERMISSION OF INSTRUCTOR Note: Instructor permission required. ******* SEE DEPT FOR REFERENCE NUMBERS

SPL TOPIC CONTROL SYSTEMS EM 590B 1-4 CREDITS Prereq: PERMISSION OF INSTRUCTOR Note: Instructor permission required. ******* SEE DEPT FOR REFERENCE NUMBERS

SPL TOPIC CONTROL SYSTEMS EM 590B 1-4 CREDITS Prereq: PERMISSION OF INSTRUCTOR Note: Instructor permission required. ******* SEE DEPT FOR REFERENCE NUMBERS

SPL TOPIC CONTROL SYSTEMS EM 590B 1-4 CREDITS Prereq: PERMISSION OF INSTRUCTOR Note: Instructor permission required. ******* SEE DEPT FOR REFERENCE NUMBERS

SPL TOPIC CONTROL SYSTEMS EM 590B 1-4 CREDITS Prereq: PERMISSION OF INSTRUCTOR Note: Instructor permission required. ******* SEE DEPT FOR REFERENCE NUMBERS

SPL TOPIC CONTROL SYSTEMS EM 590B 1-4 CREDITS Prereq: PERMISSION OF INSTRUCTOR Note: Instructor permission required. ******* SEE DEPT FOR REFERENCE NUMBERS

SPL TOPIC CONTROL SYSTEMS EM 590B 1-4 CREDITS Prereq: PERMISSION OF INSTRUCTOR Note: Instructor permission required. ******* SEE DEPT FOR REFERENCE NUMBERS

SPL TOPIC CONTROL SYSTEMS EM 590B 1-4 CREDITS Prereq: PERMISSION OF INSTRUCTOR Note: Instructor permission required. ******* SEE DEPT FOR REFERENCE NUMBERS

SPL TOPIC CONTROL SYSTEMS EM 590B 1-4 CREDITS Prereq: PERMISSION OF INSTRUCTOR Note: Instructor permission required. ******* SEE DEPT FOR REFERENCE NUMBERS

SPL TOPIC CONTROL SYSTEMS EM 590B 1-4 CREDITS Prereq: PERMISSION OF INSTRUCTOR Note: Instructor permission required. ******* SEE DEPT FOR REFERENCE NUMBERS

SPL TOPIC CONTROL SYSTEMS EM 590B 1-4 CREDITS Prereq: PERMISSION OF INSTRUCTOR Note: Instructor permission required. ******* SEE DEPT FOR REFERENCE NUMBERS

SPL TOPIC CONTROL SYSTEMS EM 590B 1-4 CREDITS Prereq: PERMISSION OF INSTRUCTOR Note: Instructor permission required. ******* SEE DEPT FOR REFERENCE NUMBERS

SPL TOPIC CONTROL SYSTEMS EM 590B 1-4 CREDITS Prereq: PERMISSION OF INSTRUCTOR Note: Instructor permission required. ******* SEE DEPT FOR REFERENCE NUMBERS

SPL TOPIC CONTROL SYSTEMS EM 590B 1-4 CREDITS Prereq: PERMISSION OF INSTRUCTOR Note: Instructor permission required. ******* SEE DEPT FOR REFERENCE NUMBERS

SPL TOPIC CONTROL SYSTEMS EM 590B 1-4 CREDITS Prereq: PERMISSION OF INSTRUCTOR Note: Instructor permission required. ******* SEE DEPT FOR REFERENCE NUMBERS

SPL TOPIC CONTROL SYSTEMS EM 590B 1-4 CREDITS Prereq: PERMISSION OF INSTRUCTOR Note: Instructor permission required. ******* SEE DEPT FOR REFERENCE NUMBERS

SPL TOPIC CONTROL SYSTEMS EM 590B 1-4 CREDITS Prereq: PERMISSION OF INSTRUCTOR Note: Instructor permission required. ******* SEE DEPT FOR REFERENCE NUMBERS

SPL TOPIC CONTROL SYSTEMS EM 590B 1-4 CREDITS Prereq: PERMISSION OF INSTRUCTOR Note: Instructor permission required. ******* SEE DEPT FOR REFERENCE NUMBERS

SPL TOPIC CONTROL SYSTEMS EM 590B 1-4 CREDITS Prereq: PERMISSION OF INSTRUCTOR Note: Instructor permission required. ******* SEE DEPT FOR REFERENCE NUMBERS

SPL TOPIC CONTROL SYSTEMS EM 590B 1-4 CREDITS Prereq: PERMISSION OF INSTRUCTOR Note: Instructor permission required. ******* SEE DEPT FOR REFERENCE NUMBERS

SPL TOPIC CONTROL SYSTEMS EM 590B 1-4 CREDITS Prereq: PERMISSION OF INSTRUCTOR Note: Instructor permission required. ******* SEE DEPT FOR REFERENCE NUMBERS

SPL TOPIC CONTROL SYSTEMS EM 590B 1-4 CREDITS Prereq: PERMISSION OF INSTRUCTOR Note: Instructor permission required. ******* SEE DEPT FOR REFERENCE NUMBERS

SPL TOPIC CONTROL SYSTEMS EM 590B 1-4 CREDITS Prereq: PERMISSION OF INSTRUCTOR Note: Instructor permission required. ******* SEE DEPT FOR REFERENCE NUMBERS

SPL TOPIC CONTROL SYSTEMS EM 590B 1-4 CREDITS Prereq: PERMISSION OF INSTRUCTOR Note: Instructor permission required. ******* SEE DEPT FOR REFERENCE NUMBERS

SPL TOPIC CONTROL SYSTEMS EM 590B 1-4 CREDITS Prereq: PERMISSION OF INSTRUC...
ENGLISH

**ENGLISH**

**ENGLISH (CONTINUED)**

**SP TOP ADV MATH**

**EN 690Q**

**1-6 CREDITS**

Prereq: ComP MTH

**SEE DEPT FOR REFERENCE NUMBERS**

**SPL TOP RELIABILITY**

**EN 690R**

**1-6 CREDITS**

Prereq: PERMISSION OF INSTRUCTOR

**SEE DEPT FOR REFERENCE NUMBERS**

**SPECIAL TOPICS**

**EN 690S**

**1-6 CREDITS**

Prereq: PERMISSION OF INSTRUCTOR

**SEE DEPT FOR REFERENCE NUMBERS**

**ENGINEERING INTERNSHIP**

**EN 697**

**R CREDIT**

Prereq: PERMISSION OF DGOE, GRAD CLASSIFICATION

Satisfactory-Fail Only.

**MEETS: MAY 20-AUG 9**

**8134005 1 ARRANGED**

**MEETS: JUNE 17-AUG 9**

**RESEARCH**

**EN 699 VAR. CREDITS**

**SEE DEPT FOR REFERENCE NUMBERS**

**ENGLISH**

**IEOP READING: BEGINN**

**ENGL 11A 0 CREDITS**

**SEE DEPT FOR REFERENCE NUMBERS**

**IEOP READ: LO-INTMD**

**ENGL 11B 0 CREDITS**

**SEE DEPT FOR REFERENCE NUMBERS**

**IEOP READING: INTMED**

**ENGL 11C 0 CREDITS**

**SEE DEPT FOR REFERENCE NUMBERS**

**IEOP READING: HI-INTRMD**

**ENGL 11D 0 CREDITS**

**SEE DEPT FOR REFERENCE NUMBERS**

**IEOP READING: ADV**

**ENGL 11F 0 CREDITS**

**SEE DEPT FOR REFERENCE NUMBERS**

**IEOP WRITING: BEGINN**

**ENGL 12A 0 CREDITS**

**SEE DEPT FOR REFERENCE NUMBERS**

**IEOP WRIT: LO-INTRMD**

**ENGL 12B 0 CREDITS**

**SEE DEPT FOR REFERENCE NUMBERS**

**IEOP WRITING: INTRMD**

**ENGL 12C 0 CREDITS**

**SEE DEPT FOR REFERENCE NUMBERS**

**IEOP WRITING: HI INTRMD**

**ENGL 12D 0 CREDITS**

**SEE DEPT FOR REFERENCE NUMBERS**

**IEOP WRIT: HIGH**

**ENGL 12E 0 CREDITS**

**SEE DEPT FOR REFERENCE NUMBERS**

**IEOP WRITING: ADV**

**ENGL 12F 0 CREDITS**

**SEE DEPT FOR REFERENCE NUMBERS**

**IEOP OPTION: SEMINAR**

**ENGL 20 0 CREDITS**

**SEE DEPT FOR REFERENCE NUMBERS**

**CRITCL THINK&CMMN**

**ENGL 150 3 CREDITS**

Prereq: CONCURRENT ENROLLMENT IN LIB 160 IS RECOMMENDED.

Note: EACH SECTION WILL MEET TWO DAYS IN A COMPUTER LAB.

CONCURRENT ENROLLMENT IN LIB 160 IS RECOMMENDED.

**3298005 A MWF 9:40-9:40**

**TR 8:40-9:40**

**MEETS: JUNE 17-AUG 9**

**3298010 B MWF 9:50-10:10**

**TR 9:50-10:10**

**MEETS: JUNE 17-AUG 9**

**3298025 C MWF 11:00-12:00**

**TR 11:00-12:00**

**MEETS: JUNE 17-AUG 9**

**WRIT, ORAL, EL COMPOS**

**ENGL 250 3 CREDITS**

Prereq: ENGL 150 OR EXEMPTION FROM ENGL 150.

CREDIT FOR OR CONCURRENT ENROLLMENT IN LIB 160.

**SEE DEPT FOR REFERENCE NUMBERS**

**8134005 1 ARRANGED**

**MEETS: JUNE 17-AUG 9**

**MEETS: MAY 20-AUG 9**

**3299005 1 ARRANGED**

**MEETS: JUNE 17-AUG 9**

**3299010 B MWF 9:50-10:10**

**TR 9:50-10:10**

**MEETS: JUNE 17-AUG 9**

**3299015 C MWF 11:00-12:00**

**TR 11:00-12:00**

**MEETS: JUNE 17-AUG 9**

**3299020 D MWF 12:10-1:10**

**TR 12:10-1:10**

**MEETS: JUNE 17-AUG 9**

**BUSINESS COMMUNIC**

**ENGL 302 3 CREDITS**

Prereq: ENGL 250, JUNIOR CLASSIFICATION

Note: COURSE NOT OPEN TO FRESHMEN, SOPHOMORES AND GRADUATE STUDENTS. ON-CAMPUS SECTIONS WILL MEET TWO DAYS EACH WEEK IN A COMPUTER LAB.

**3314005 1 MWF 8:40-9:40**

**TR 8:40-9:40**

**MEETS: MAY 20-JULY 12**

**3314010 2 MWF 9:50-10:50**

**TR 9:50-10:50**

**MEETS: MAY 20-JULY 12**

**3314015 3 MWF 11:00-12:00**

**TR 11:00-12:00**

**MEETS: MAY 20-JULY 12**

**CREAT WRITING: FICTN**

**ENGL 304 3 CREDITS**

Prereq: ENGL 250, NOT OPEN TO FRESHMEN

Note: COURSE RESTRICTED TO SOPHOMORES AND ABOVE

**3316005 A MTWF 9:50-10:50**

**MEETS: JUNE 17-AUG 9**

**TECHNICAL COMMUNCT**

**ENGL 314 3 CREDITS**

Prereq: ENGL 250, JUNIOR CLASSIFICATION

Note: COURSE RESTRICTED TO JUNIORS AND ABOVE.

ON-CAMPUS SECTIONS WILL MEET TWO DAYS EACH WEEK IN A COMPUTER LAB.

**3356005 1 MWF 11:00-12:00**

**TR 11:00-12:00**

**MEETS: MAY 20-JULY 12**

**3356010 2 MWF 11:00-12:00**

**WF 11:00-12:00**

**MEETS: JUNE 17-AUG 9**

**CR WRIT WRSHP: FICTN**

**ENGL 404 3 CREDITS**

Prereq: ENGL 304

**3353005 A MTWR 9:50-10:50**

**MEETS: JUNE 17-AUG 9**

**INTERN BUS, PRO COMM**

**ENGL 487 1-3 CREDITS**

Prereq: JUNIOR CLASSIFICATION; PERMISSION OF COORDINATE.

**9 CR IN ENGL 302, ENGL 309, ENGL 313, ENGL 314, ENGL 415 (PREFERRED), OR ENGL 416, OR ENGL 447.**

Note: Department permission required.

**9099005 1 ARRANGED**

**MEETS: MAY 20-AUG 9**

**IND STU LITERATURE**

**ENGL 490A VAR. CREDITS**

Prereq: 9 CR IN ENGL BEYOND ENGL 250 APPROPRIATE TO LITERATURE, JR CLASSIFICATION, PERMISSION OF UNDERGRAD STUDIES COMMITTEE

Note: NO MORE THAN 9 CREDITS OF ENGL 490 MAY BE APPLIED TOWARD GRADUATION

Department permission required.

**IND STU LINGUISTICS**

**ENGL 490B VAR. CREDITS**

Prereq: 9 CR IN ENGL BEYOND ENGL 250 APPROPRIATE TO LINGUISTICS, JR CLASSIFICATION, PERMISSION OF UNDERGRAD STUDIES COMMITTEE OR LINGUISTICS ADVISER

Note: NO MORE THAN 9 CREDITS OF ENGL 490 MAY BE APPLIED TOWARD GRADUATION

Department permission required.

**INDEP STU RHETORIC**

**ENGL 490C VAR. CREDITS**

Prereq: 9 CR IN ENGL BEYOND ENGL 250 APPROPRIATE TO RHETORIC, JR CLASSIFICATION, PERMISSION OF UNDERGRAD STUDIES COMMITTEE

Note: NO MORE THAN 9 CREDITS OF ENGL 490 MAY BE APPLIED TOWARD GRADUATION

Department permission required.

**IND STU CRITICI LIT**

**ENGL 490D VAR. CREDITS**

Prereq: 9 CR IN ENGL BEYOND ENGL 250 APPROPRIATE TO CRITICISM & THEORY OF LIT, JR CLASSIFICATION, PERMISSION OF UNDERGRAD STUDIES COMMITTEE

Note: NO MORE THAN 9 CREDITS OF ENGL 490 MAY BE APPLIED TOWARD GRADUATION

Department permission required.

**IND STU INSTRUC MTH**

**ENGL 490E VAR. CREDITS**

Prereq: 9 CR IN ENGL BEYOND ENGL 250 APPROPRIATE TO INSTRUCTIONAL METHODS AND RESEARCH, JUNIOR CLASSIFICATION, PERMISSION OF UNDERGRAD STUDIES COMMITTEE

Note: NO MORE THAN 9 CREDITS OF ENGL 490 MAY BE APPLIED TOWARD GRADUATION

Department permission required.

**IND STU CRITICI LIT**

**ENGL 490F VAR. CREDITS**

Prereq: 9 CR IN ENGL BEYOND ENGL 250 APPROPRIATE TO CRITICISM & THEORY OF LIT, JR CLASSIFICATION, PERMISSION OF UNDERGRAD STUDIES COMMITTEE OR LINGUISTICS ADVISER

Note: NO MORE THAN 9 CREDITS OF ENGL 490 MAY BE APPLIED TOWARD GRADUATION

Department permission required.
ENGLISH (CONTINUED)

IND STU BUS/TCH CMM ENGL 490G VAR. CREDITS
Prereq: 9 CR IN ENGL BEYOND ENGL 250 APPROPRIATE TO BUSINESS/TECHNICAL COMMUNICATION, JR CLASSIFICATION, PERMISSION OF UNDERGRADUATE STUDIES COMMITTEE
Note: NO MORE THAN 9 CREDITS OF ENGL 490 MAY BE APPLIED TOWARD GRADUATION
Department permission required.
****** SEE DEPT FOR REFERENCE NUMBERS

INDEPENDENT STUDY HONORS ENGL 490H VAR. CREDITS
Prereq: 9 CR IN ENGL BEYOND ENGL 250 APPROPRIATE TO INDEPENDENT STUDY TOPIC CHOSEN, JUNIOR CLASSIFICATION, PERMISSION OF UNDERGRADUATE STUDIES COMMITTEE, MEMBERSHIP IN UNIV HONORS PROGRAM
Note: NO MORE THAN 9 CREDITS OF ENGL 490 MAY BE APPLIED TOWARD GRADUATION. RESTRICTED TO HONORS PROGRAM STUDENTS ONLY.
Department permission required.
****** SEE DEPT FOR REFERENCE NUMBERS

ACADEMIC PUBLIC WRITING ENGL 508 3 CREDITS
Prereq: 6 GRADUATE CREDITS
5107005 A TR 6:00-9:20PM
MEETS: MAY 20-JUNE 28

LANGUAGE ASSESS PRACTM ENGL 513 3 CREDITS
Prereq: ENGL 510
8728005 A ARRANGED
MEETS: MAY 20-AUG 9

ENVIRONMENTAL SCIENCE
4002005 1 ARRANGED
MEETS: MAY 20-AUG 9

ECOLOGY ENSCI 312 4 CREDITS
Prereq: Biol 211L AND Biol 212L
4996005 A MTWR 9:10-11:05
MN 12:10-3:00
MEETS: MAY 20-JULY 12

4996010 B MTWR 9:50-11:00
TR 12:10-3:00
MEETS: MAY 20-JULY 12

ECOLOGY & ENVIRONMENTAL SCIENCE ENSCI 370 1-6 CREDITS
Prereq: 6 CREDITS IN BIOLOGICAL AND/OR PHYSICAL SCIENCES; PERMISSION OF INSTRUCTOR
4002005 1 ARRANGED
MEETS: MAY 20-AUG 9
4002010 2 ARRANGED
MEETS: MAY 20-AUG 9

ENTOMOLOGY

INTRO TO INSECTS ENT 201 1 CREDIT
5197005 W ARRANGED
MEETS: MAY 20-JUNE 21
Note: Course delivery is MM
Section info: https://www.ent.lastate.edu/courses/ent201

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

INDEPENDENT STUDY TEACHING ENT 490U 1-3 CREDITS
Prereq: 15 CREDITS IN BIOLOGICAL SCIENCES
Note: NO MORE THAN 6 CREDITS OF 490 MAY BE APPLIED TOWARD GRADUATION
Instructor permission required 1st week.
****** SEE DEPT FOR REFERENCE NUMBERS
ENVIRO SCIENCE (CONTINUED)

INTERNSHIP ENVI SCI ENSCI 390 VAR. CREDITS
Pre req: SO PM FRESHM ONLY. SEE DEPT FOR REFERENCE NUMBERS

APPRENTICESHIP ENSCI 391 VAR. CREDITS
Pre req: SO PM FRESHM ONLY. SEE DEPT FOR REFERENCE NUMBERS

INDEPENDENT STUDY ENSCI 490 VAR. CREDITS
Pre req: PERMISSION OF INSTRUCTOR AND APPROVAL OF PROGRAM COORDINATOR SEE DEPT FOR REFERENCE NUMBERS

HONORS INDEPENDENT STUDY ENSCI 490H VAR. CREDITS
Pre req: PERMISSION OF INSTRUCTOR AND APPROVAL OF PROGRAM COORDINATOR SEE DEPT FOR REFERENCE NUMBERS

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

RESEARCH ENSCI 699 VAR. CREDITS
SEE DEPT FOR REFERENCE NUMBERS

ENVIRONMENTAL STUDIES

ENVIRO POLIT&POLIC ENV S 383 3 CREDITS
Pre req: SO PM FRESHM ONLY. SEE DEPT FOR REFERENCE NUMBERS

INTERNSH ENVIR STDI ENV S 390 VAR. CREDITS
Pre req: PERMISSION OF ENV S COORDINATOR SEE DEPT FOR REFERENCE NUMBERS

INDEPENDENT STUDY ENV S 490 VAR. CREDITS
Pre req: PERMISSION OF INSTRUCTOR AND APPROVAL OF ENV S COORDINATOR SEE DEPT FOR REFERENCE NUMBERS

EVENT MANAGEMENT

INTRO EVENT MANAGMT EVENT 271 3 CREDITS
Pre req: SO PM CLASSIFICATION SEE DEPT FOR REFERENCE NUMBERS

INDEP STUY CONFERENCE EVENT 490B VAR. CREDITS
Pre req: PERMISSION OF PROGRAM COORDINATOR SEE DEPT FOR REFERENCE NUMBERS

IND STUY SPCL EVNTS EVENT 490C VAR. CREDITS
Pre req: PERMISSION OF PROGRAM COORDINATOR SEE DEPT FOR REFERENCE NUMBERS

IND STUDY EVENT MGT EVENT 490D VAR. CREDITS
Pre req: PERMISSION OF PROGRAM COORDINATOR SEE DEPT FOR REFERENCE NUMBERS

EXCHANGE PROGRAM

EXCH NCU-TAIWAN EXPRO 304H VAR. CREDITS
Pre req: Permission required. SEE DEPT FOR REFERENCE NUMBERS

FAMILY&CONSUMER SCIENCES ED&STUDIES

SHRT CRSE: HOUSING FCEDS 301F 3 CREDITS
Pre req: 6 CREDITS IN FAMILY AND CONSUMER SCI OR EDUCATION

9377005 1 MTWSF 8:00-5:50 MEETS: MAY 20-JUNE 14

SUPV EXPRENC COMMUC FCEDS 491A 3-8 CREDITS
Pre req: HD FS 449; 24 CREDITS IN FAMILY AND CONSUMER SCIENCES; RESERVATION REQUIRED
Satisfactory-Fail Only.

2261005 1 ARRANGED MEETS: MAY 20-AUG 9

FAMILY&CONSUMER SCIENCES ED&STUDIES (CONTINUED)

SUPV EXPRNC PRO STU FCEDS 491B 3-8 CREDITS
Pre req: HD FS 415B; 24 CREDITS IN FAMILY AND CONSUMER SCIENCES; RESERVATION REQUIRED
Satisfactory-Fail Only.

2272005 1 ARRANGED MEETS: MAY 20-AUG 9

FINANCE

PRINCIPAL OF FINANCE FIN 301 3 CREDITS
Pre req: ACCT 284, ECON 101, STAT 226
Note: COURSE NOT OPEN TO P BUS MAJORS AND GRADUATE STUDENTS

Note: SECTION A1 RESTRICTED TO ACCT, AG B, AN S, BUS S, BUS U, BUSEC, ENTSP, FIN, MKT, MIS, MGT, SCM UNDERGRAD MAJORS

3689020 A2 MTWF 9:50-11:50 MEETS: MAY 20-JUNE 14
Note: SECTION A2 FOR MAJORS OTHER THAN ACCT, AG B, AN S, BUS S, BUS U, BUSEC, ENTSP, FIN, MKT, MIS, MGT, P BUS, SCM

CORPORATE FINANCE FIN 310 3 CREDITS
Pre req: FIN 301
Note: COURSE NOT OPEN TO P BUS MAJORS AND GRADUATE STUDENTS

3691005 A1 MTWF 7:30-9:30 MEETS: JUNE 17-JULY 12
Note: SECTION A1 RESTRICTED TO FIN MAJORS ONLY

3691010 A2 MTWF 7:30-9:30 MEETS: JUNE 17-JULY 12
Note: SEC A2 RESTRICTED TO ACCT, BUS S, BUS U, BUSEC, ENTSP, MKT, MIS, MGT, SCM UNDERGRAD MAJORS ONLY

INVESTMENTS FIN 320 3 CREDITS
Pre req: FIN 301
Note: COURSE NOT OPEN TO P BUS MAJORS AND GRADUATE STUDENTS

3692005 A1 MTWF 12:10-2:10 MEETS: MAY 20-JUNE 14
Note: SECTION A1 RESTRICTED TO FIN MAJORS ONLY

3692010 A2 MTWF 12:10-2:10 MEETS: MAY 20-JUNE 14
Note: SEC A2 RESTRICTED TO ACCT, BUS S, BUS U, BUSEC, ENTSP, MKT, MIS, MGT, SCM UNDERGRAD MAJORS ONLY

FINAN MTS&INSTITUT FIN 330 3 CREDITS
Pre req: FIN 301
Note: COURSE NOT OPEN TO FIN MAJORS ONLY

6892005 A MTWF 9:50-11:50 MEETS: MAY 20-JUNE 14

REAL ESTATE PRINCIP FIN 371 3 CREDITS
Pre req: ECON 101
Note: COURSE NOT OPEN TO P BUS MAJORS AND GRADUATE STUDENTS

3690015 A1 MTWF 9:50-11:50 MEETS: JUNE 17-JULY 12
Note: SECTION A1 RESTRICTED TO FIN MAJORS ONLY

3690105 A2 MTWF 9:50-11:50 MEETS: JUNE 17-JULY 12
Note: SEC A2 RESTRICTED TO ACCT, BUS S, BUS U, BUSEC, ENTSP, MKT, MIS, MGT, SCM UNDERGRAD MAJORS AND BUS S

INDEPENDENT STUDY FIN 490 1-3 CREDITS
Pre req: FIN 301, STAT 326 AND PERMISSION OF INSTRUCTOR
Note: PROCESS APPROVED ADD SLIP IN 10 ENROLLMENT SERVICES CENTER

Instructor permission required.

****** SEE DEPT FOR REFERENCE NUMBERS

BANKING INTERNSHIP FIN 499A 1-3 CREDITS
Pre req: GPA 2.5; PERMISSION OF INTERNSHIP COORDINATOR; STAT 326
Satisfactory-Fail Only.

9403005 1 ARRANGED MEETS: MAY 20-AUG 9
Note: Department permission required.

INSURANCE INTERNSHIP FIN 499B 1-3 CREDITS
Pre req: FIN 301, STAT 326; GPA 2.5; PERMISSION OF INTERNSHIP COORDINATOR
Satisfactory-Fail Only.

9555005 1 ARRANGED MEETS: MAY 20-AUG 9
Note: Department permission required.

INTERNS REAL ESTATE FIN 499C 1-3 CREDITS
Pre req: FIN 301 PLUS 3 ADDL CREDITS IN FINANCE; STAT 326; GPA 2.5; PERMISSION OF INTERNSHIP COORDINATOR
Satisfactory-Fail Only.

3098005 1 ARRANGED MEETS: MAY 20-AUG 9
Note: Department permission required.
FOOD SCIENCE & HUMAN NUTRITION

FOOD & THE CONSUMER  FS HN 101  3 CREDITS
Prereq: HIGH SCHOOL BIOLOGY AND CHEMISTRY OR 3 CREDITS EACH OF BIOLOGY AND CHEMISTRY
3659005  1 ARRANGED
MEETS: MAY 20-JULY 12
Note: Course delivery is WWW

FUND OF FOOD PREPAR  FS HN 111  2 CREDITS
Prereq: FS HN 101 OR FS HN 167; HIGH SCHOOL CHEMISTRY OR CHEM 140; CONCURRENT ENROLLMENT IN FS HN 115.
3602005  1 ARRANGED
MEETS: MAY 13-JUNE 7
Note: Course delivery is WWW

FOOD PREPARATION LAB  FS HN 115  1 CREDIT
Prereq: CREDIT OR ENROLLMENT IN FS HN 111 OR FS HN 214
2922005  1 MWF 8:30-4:30
MEETS: JUNE 10-JUNE 19
Note: Materials fee $90.00

INTRO HUMAN NUTRITION  FS HN 167  3 CREDITS
Prereq: HIGH SCHOOL BIOLOGY OR 3 CR OF BIOLOGY
3600005  1 ARRANGED
MEETS: MAY 20-AUG 9
Note: Course delivery is WWW

NUTRITIVE ACTIVITIES  FS HN 265  3 CREDITS
Prereq: FS HN 167; FS HN 264 OR CREDIT OR ENROLLMENT IN BMH 301
6232005  1 ARRANGED
MEETS: JUNE 17-AUG 9
Note: Course delivery is WWW

FOOD CHEMISTRY  FS HN 311  3 CREDITS
Prereq: CHEM 231 OR CHEM 331; CREDIT OR ENROLLMENT IN BMH 301
3669005  1 ARRANGED
MEETS: MAY 20-AUG 9
Note: Course delivery is WWW

MEDICATIONS FOR PROFESSIONALS  FS HN 367  1 CREDIT
9487010  2 ARRANGED
MEETS: JUNE 17-AUG 9
Note: Course delivery is WWW

FOOD LAWS AND REGULATIONS  FS HN 403  2 CREDITS
Prereq: 3 CREDITS IN FOOD SCIENCE COURSEWORK AT 200 LEVEL OR ABOVE
3679005  1 ARRANGED
MEETS: MAY 20-JULY 12
Note: Course delivery is WWW

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

IND DEP STUDY FOOD SCI  FS HN 490B  1- 6 CREDITS
Prereq: PERMISSION OF INSTRUCTOR
Note: NO MORE THAN 6 CREDITS OF 490 MAY BE APPLIED TOWARD GRADUATION
******* SEE DEPT FOR REFERENCE NUMBERS

IND DEP STUDY NUTRITION  FS HN 490C  1- 6 CREDITS
Prereq: PERMISSION OF INSTRUCTOR
Note: NO MORE THAN 6 CREDITS OF 490 MAY BE APPLIED TOWARD GRADUATION
******* SEE DEPT FOR REFERENCE NUMBERS

FORESTRY

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

SPL PROB ECOLOGY  290B  1- 4 CREDITS
Prereq: FRESH OR SOPH CLASS, INSTRUCTOR PERMISSION
******* SEE DEPT FOR REFERENCE NUMBERS

SPL PROB RESRC CEN  290C  1- 4 CREDITS
Prereq: FRESH OR SOPH CLASS, INSTRUCTOR PERMISSION
******* SEE DEPT FOR REFERENCE NUMBERS
FORESTRY (CONTINUED)

SPL PROB URB&COMMUN FOR 290D 1-4 CREDITS
Prereq: GENET OR SOFI CLASSIF, INSTRUCTOR PERMISSION
        SEE DEPT FOR REFERENCE NUMBERS

SPL PROB WOOD SCIEN FOR 290E 1-4 CREDITS
Prereq: GENET OR SOFI CLASSIF, INSTRUCTOR PERMISSION
        SEE DEPT FOR REFERENCE NUMBERS

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

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

CR COMP FOR&REC ECON FOR 599C 1-12 CREDITS
        SEE DEPT FOR REFERENCE NUMBERS

CRTV COMPO WOOD SCI FOR 599E 1-12 CREDITS
Note: Instructor permission required 1st week.
        SEE DEPT FOR REFERENCE NUMBERS

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

FOR BIOMETRY RSCH FOR 699B 1-12 CREDITS
Note: Instructor permission required 1st week.
        SEE DEPT FOR REFERENCE NUMBERS

FOR ECONOMICS RSCH FOR 699C 1-12 CREDITS
Note: Instructor permission required 1st week.
        SEE DEPT FOR REFERENCE NUMBERS

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

WOOD SCIENCE RSCH FOR 699E 1-12 CREDITS
Note: Instructor permission required 1st week.
        SEE DEPT FOR REFERENCE NUMBERS

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

FRENCH

INDEPENDENT STUDY FRNCH 490 1-6 CREDITS
Note: No more than 9 credits in FRENCH 490 may be applied toward graduation.
        SEE DEPT FOR REFERENCE NUMBERS

SPL TOP LANG PEDAGY FRNCH 590C 2-4 CREDITS
Prereq: INSTRUCTOR PERMISSION; 6 CR 400-LEVEL FRNCH
        SEE DEPT FOR REFERENCE NUMBERS

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

GENETICS

PRINCIP OF GENETICS GEN 313 3 CREDITS
Prereq: BIOL 211, BIOL 211L, BIOL 212, BIOL 212L.
Note: Credit for only one of the following may be applied toward graduation:
        GEN 260, GEN/Biol 313/301 and 311/301.
        GEN 313/301.
        SEE DEPT FOR REFERENCE NUMBERS

INDEPENDENT STUDY GEN 490 1-5 CREDITS
Prereq: GEN 313, JUNIOR OR SENIOR CLASSIFICATION,
        PERMISSION OF INSTRUCTOR
Note: Genetics majors may apply no more than 9 credits
        of 490 (including GEN 490) toward graduation.
        SEE DEPT FOR REFERENCE NUMBERS

SPL TOPICS GENETICS GEN 495 1-3 CREDITS
Prereq: GEN 313, JUNIOR OR SENIOR CLASSIFICATION,
        PERMISSION OF INSTRUCTOR
Note: Genetics students may use no more than 9 credits
        of University-Wide 490-499 credits toward graduation.
        SEE DEPT FOR REFERENCE NUMBERS

ATTENDACRITIQ SEMIN GEN 496 1 CREDIT
Prereq: GEN 313, JUNIOR OR SENIOR CLASSIFICATION,
        PERMISSION OF INSTRUCTOR
Note: Genetics students may use no more than 9 credits
        of University-Wide 490-499 credits toward graduation.
        Satisfactory-Fail Only.
        SEE DEPT FOR REFERENCE NUMBERS

GENETICS - INTERDISCIPLINARY

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

GRAD RESEARCH ROTAT GENET 697 VAR. CREDITS
3916005 1 ARRANGED
        MEETS: MAY 20-AUG 9

RESEARCH GENET 699 VAR. CREDITS
        SEE DEPT FOR REFERENCE NUMBERS

GENETICS, DEVELOPMENT & CELL BIOL

SPECIAL TOPICS GDCB 590 VAR. CREDITS
        COURSE ONLY OFFERED FOR 1-4 CREDITS SUMMER 2019
        SEE DEPT FOR REFERENCE NUMBERS

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

GEOLGY

INDEPENDENT STUDY GEOL 290 1-3 CREDITS
Prereq: PERMISSION OF INSTRUCTOR
        SEE DEPT FOR REFERENCE NUMBERS

SUMMER FIELD STUDY GEOL 302 6 CREDITS
Prereq: GEOL 102, GEOL 356, GEOL 368
3881005 1 ARRANGED
        MEETS: MAY 25-JULY 5

INDEPENDENT STUDY GEOL 490 1-3 CREDITS
Prereq: 6 CR IN GEOLOGY & PERMISSION OF INSTRUCTOR
        SEE DEPT FOR REFERENCE NUMBERS

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

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

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

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

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

SPL TOPS STRUCTURAL GEOL 590F 1-3 CREDITS
Prereq: PERMISSION OF INSTRUCTOR
        SEE DEPT FOR REFERENCE NUMBERS

SPL TOPS EARTH SCI GEOL 590I 1-3 CREDITS
Prereq: PERMISSION OF INSTRUCTOR
        SEE DEPT FOR REFERENCE NUMBERS
GEOLOGY

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

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

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

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

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

SP TOP ISOAC GCHM GEOL 590Q 1-3 CREDITS
Prereq: PERMISSION OF INSTRUCTOR
******* SEE DEPT FOR REFERENCE NUMBERS

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

RESEACCH PALEOECOCCLIMAT GEOL 699N VAR. CREDITS
******* SEE DEPT FOR REFERENCE NUMBERS

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

RESRCH CMPUT MTHAGIS GEOL 699Q VAR. CREDITS
******* SEE DEPT FOR REFERENCE NUMBERS

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

RESEACCH GEOSCI EDUC GEOL 699S VAR. CREDITS
******* SEE DEPT FOR REFERENCE NUMBERS

GERONTOLOGY

GERONTOL PREPRACSEM GERON 466 1 CREDIT
Prereq: 9 CR IN CORE COURSES FOR THE GERON MINOR & APPROVAL OF GERON UNDERGRAD COORDINATOR
7869005 1 ARRANGED
MEETS: MAY 20-JULY 12

GERONTOLOGY (CONTINUED)

GERONTOL PRACTICUM GERON 467 3-6 CREDITS
Prereq: GERON 466, ADVANCE RESERVATION
Satisfactory-Fail Only.
7870005 1 ARRANGED
MEETS: MAY 20-AUG 9

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

INTERNSHIP MS ARRANGED
GERON 591 1-9 CREDITS
MEETS: MAY 20-AUG 9
9810077 PM ARRANGED
MEETS: MAY 20-AUG 9

CREATIVE COMPONENT GERON 599 VAR. CREDITS
9839005 1 ARRANGED
MEETS: MAY 20-AUG 9

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

GLOBAL RESOURCE SYSTEMS

APPRENTICESHIP GLOBE 221 1 CREDIT
Satisfactory-Fail Only.
6652005 1 ARRANGED
MEETS: MAY 20-AUG 9

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

INTERNSHIP - GLOBAL GLOBE 321 3-6 CREDITS
Prereq: GLOBE 320; JR. OR SR. CLASSIFICATION IN GLOBAL RESOURCE SYSTEMS MAJOR; PERMISSION OF INSTRUCTOR AND APPROVAL BY THE GLOBAL RESOURCE SYSTEMS FACULTY COORDINATOR
Note: NO MORE THAN 12 CREDITS OF GLOBE 321 AND GLOBE 322 MAY BE APPLIED TOWARD DEGREE REQUIREMENTS
Meets international perspectives regmt
8676005 1 ARRANGED
MEETS: MAY 20-AUG 9

INTERNSHIP - U.S. GLOBE 322 3-6 CREDITS
Prereq: GLOBE 320; JR. OR SR. CLASSIFICATION IN GLOBAL RESOURCE SYSTEMS MAJOR; PERMISSION OF INSTRUCTOR AND APPROVAL BY THE GLOBAL RESOURCE SYSTEMS FACULTY COORDINATOR
Note: NO MORE THAN 12 CREDITS OF GLOBE 321 AND GLOBE 322 MAY BE APPLIED TOWARD DEGREE REQUIREMENTS
8684005 1 ARRANGED
MEETS: MAY 20-AUG 9

Note: Instructor permission required.

COOPERATIVE EDUCATN GLOBE 398 1 CREDIT
Prereq: PERMISSION OF FACULTY COORDINATOR FOR THE MAJOR, COMPLETION OF COOPERATIVE EDUCATION APPROVAL FORM, REGISTRATION IN GLOBE 398X PRIOR TO COMMENCING WORK PERIOD
Satisfactory-Fail Only.
9743005 1 ARRANGED
MEETS: MAY 20-AUG 9

SENIOR PROJECT - GLOBE 401 3 CREDITS
Prereq: SENIOR CLASSIFICATION IN GLOBE
6799005 1 ARRANGED
MEETS: MAY 20-AUG 9

SENIOR PROJ HONORS GLOBE 401H 3 CREDITS
8914005 1 ARRANGED
MEETS: MAY 20-AUG 9

INDEPENDENT STUDY GLOBE 490A 1-4 CREDITS
Prereq: INSTRUCTOR PERMISSION; APPROVAL BY THE GLOBAL RESOURCE SYSTEMS FACULTY COORDINATOR
Note: NO MORE THAN 9 CREDITS OF 490 (ANY DEPT) MAY BE APPLIED TOWARD GRADUATION IN GLOBAL RESOURCE SYSTEMS
******* SEE DEPT FOR REFERENCE NUMBERS

INSDY ENTREPRENEUR GLOBE 490E 1-4 CREDITS
Prereq: INSTRUCTOR PERMISSION; APPROVAL BY THE GLOBAL RESOURCE SYSTEMS FACULTY COORDINATOR
Note: NO MORE THAN 9 CREDITS OF 490 (ANY DEPT) MAY BE APPLIED TOWARD GRADUATION IN GLOBAL RESOURCE SYSTEMS
8687005 1 ARRANGED
MEETS: MAY 20-AUG 9

INDEP STUDY HONORS GLOBE 490H 1-4 CREDITS
Prereq: INSTRUCTOR PERMISSION; APPROVAL BY THE GLOBAL RESOURCE SYSTEMS FACULTY COORDINATOR
Note: NO MORE THAN 9 CREDITS OF 490 (ANY DEPT) MAY BE APPLIED TOWARD GRADUATION IN GLOBAL RESOURCE SYSTEMS
6817005 1 ARRANGED
MEETS: MAY 20-AUG 9
GLOBAL RESOURCE SYSTEMS (CONTINUED)

SERVICE LEARN INT'L GLOBE 494A VAR. CREDITS
Preq: PERMISSION OF INSTRUCTOR
Note: Meets international perspectives reqmt.
3581005 UG ARRANGED
MEETS: MAY 20-AUG 9
Note: SEC TO BE TAUGHT IN UGANDA, SERVICE LEARNING IN UGANDA, STUDY ABROAD SUMMER 2019. OFFERED FOR 4 CREDITS.

SERV LRNG DOMSTC GLOBE 494B VAR. CREDITS
Preq: PERMISSION OF INSTRUCTOR
3604005 VI ARRANGED
MEETS: MAY 20-AUG 9

DEANS GLOBL AG PROG GLOBE 497 1-4 CREDITS
Preq: PERMISSION OF INSTRUCTOR
Note: Meets international perspectives reqmt.
8985005 IT ARRANGED
MEETS: MAY 20-AUG 9
Note: SEC TO BE TAUGHT IN ROME, ITALY. DEAN'S GLOBAL & AGRICULTURE LEADERSHIP PROGRAM: ROME. STUDY ABROAD SUMMER 2019 OFFERED FOR 3 CREDITS

GRADUATE STUDIES

PREP FAC TCHG PRACT GR ST 587 1-3 CREDITS
Preq: PERMISSION OF INSTRUCTOR, GR ST 585, CREDIT FOR OR CONCURRENT ENROLLMENT IN GR ST 586
7679005 1 ARRANGED
MEETS: MAY 20-AUG 9
Note: Instructor permission required.

PREP FTR FAC SPL TP GR ST 588 1-3 CREDITS
Preq: PERMISSION OF INSTRUCTOR, GR ST 585, CREDIT FOR OR CONCURRENT ENROLLMENT IN GR ST 586
8341005 1 ARRANGED
MEETS: MAY 20-AUG 9
Note: Instructor permission required.

REQD REG: FINAL EXAM GR ST 681B 1 CREDIT
Preq: MUST HAVE COMPLETED ALL NECESSARY PROGRAM REQUIREMENTS TO TAKE FINAL EXAM
Note: CREDIT IN GR ST 681B MAY NOT BE APPLIED TOWARD GRADUATION SATISFACTORY-FAIL ONLY.
8117005 1 ARRANGED
MEETS: MAY 20-AUG 9

PRACTICAL TRAINING GR ST 697 R CREDIT
6905005 1 ARRANGED
Note: THE REQUIRED APPROVAL SIGNATURE SHOULD BE OBTAINED IN 1137 PEARSON HALL
College permission required.

GRAPHIC DESIGN

GRAPH DSN METHOLOGY ARTGR 476 3 CREDITS
Preq: CONCURRENT ENROLLMENT IN ARTGR 370, ARTGR 371, ARTGR 470 GR ARTGR 482
1889005 1 MWF 8:40-12:00
MEETS: MAY 20-JULY 12

GRPH DSGN INTERNSHIP ARTGR 480 3 CREDITS
Preq: ARTGR 377, 12 CR IN GRAPHIC DESIGN;
INSTR PERMISSION, REGISTRATION IN ADVANCE OF ENROLLMENT
7746005 A ARRANGED
MEETS: MAY 20-AUG 9

IND ST THEORY, CRIT ARTGR 490A 1-6 CREDITS
Preq: BACHELOR'S DEGREE IN GRAPHIC DESIGN OR EVIDENCE OF SATISFACTORY EQUIVALENCY IN SPECIALIZED AREA. WRITTEN APPROVAL OF INSTRUCTOR AND DEPT ID CHAIR ON REQUIRED FORM IN ADVANCE OF SEMESTER OF ENROLLMENT
******* SEE DEPT FOR REFERENCE NUMBERS

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

CREATIVE COMPONENT ARTGR 599 VAR. CREDITS
Preq: MEETING DEPARTMENT REQUIREMENTS
******* SEE DEPT FOR REFERENCE NUMBERS

ADVANCED TOPICS ARTGR 690 VAR. CREDITS
Preq: MEETING DEPARTMENT REQUIREMENTS
******* SEE DEPT FOR REFERENCE NUMBERS

GRAPHIC DESIGN (CONTINUED)

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

HEALTH STUDIES

HUMAN DISEASES H S 350 3 CREDITS
Preq: H S 110 AND BIOL 255, BIOL 256
4088005 1 MWF 7:30-9:30
MEETS: MAY 20-JUNE 14

INTERNSHIP HLTH STL 485 8-16 CREDITS
Preq: SENIOR CLASSIFICATION AND ADVANCE REGISTRATION
Note: Instructor permission required.
Satisfactory-Fail Only.
4095005 1 ARRANGED
MEETS: MAY 20-AUG 9

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

HIGHER EDUCATION

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

SPL TOP COMM COll HG ED 590B 1-4 CREDITS
Preq: 9 CREDITS IN EDUCATION
******* SEE DEPT FOR REFERENCE NUMBERS

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

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

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

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

SP TOP INSTNITNL RES HG ED 590G 1-4 CREDITS
Preq: 9 CREDITS IN EDUCATION
******* SEE DEPT FOR REFERENCE NUMBERS

SUPV FIELD EXPERIEN HG ED 591 1-4 CREDITS
Preq: 9 CREDITS IN EDUCATION
Note: 4 CREDITS IN GR GOVット IN EDUCATION
******* SEE DEPT FOR REFERENCE NUMBERS

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

SEM RESEARCH DESIGNS HG ED 615H 1-4 CREDITS
Note: COURSE ONLY OFFERED FOR 3 CREDITS SUMMER 2019
4145005 1 RF 8:30-5:00
MEETS: JULY 4-AUG 9
Note: MEETINGS ON JUNE 28-29, JULY 19-20, AUG 2-3

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

HISTORICAL, PHILOSOPHICAL & COMP ED

STUDI FOUND ED U.S. H P C 504 3 CREDITS
Preq: ADMISSION TO GRADUATE LICENSURE PROGRAM IN TEACHER EDUCATION OR PERMISSION OF INSTRUCTOR
2604005 1 MWF 7:30-10:00
MEETS: JULY 1-AUG 2

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

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

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

HIST 699 VAR. CREDITS

HISTORY

INDEPENDENT STUDY

HIST 490 1-3 CREDITS

Prereq: 9 CREDITS IN HISTORY; PERMISSION OF DEPARTMENT CHAIR

Note: COURSE NOT OPEN TO FRESHMEN. NO MORE THAN 6 CREDITS OF HIST 490 MAY BE APPLIED TOWARD GRADUATION WITH A MAJOR IN HISTORY. NO CREDITS OF HIST 490 MAY BE APPLIED TOWARD A MINOR IN HISTORY.

********

SEE DEPT FOR REFERENCE NUMBERS

SPECIAL TOPICS

HIST 590 1-3 CREDITS

Prereq: PERMISSION OF INSTRUCTOR

********

SEE DEPT FOR REFERENCE NUMBERS

DIRECTED READINGS

HIST 591X 1-3 CREDITS

Prereq: CLASSIFICATION AS A DOCTORAL STUDENT IN RATE PROGRAM

********

SEE DEPT FOR REFERENCE NUMBERS

CREATIVE COMPONENT

HIST 599 1-6 CREDITS

********

SEE DEPT FOR REFERENCE NUMBERS

RESEARCH

HIST 699 1-6 CREDITS

Note: Instructor permission required 1st week.

********

SEE DEPT FOR REFERENCE NUMBERS

HORTICULTURE

HORT MGT EXPERIENCE

HORT 391 1 CREDIT

Prereq: HORT 221 OR PERMISSION OF INSTRUCTOR

Note: NO MORE THAN 2 CREDITS OF HORT 391 MAY BE APPLIED TOWARD THE HORTICULTURAL SCIENCES COURSE REQUIREMENTS. 2 ADDITIONAL CREDITS OF HORT 391 MAY BE APPLIED TOWARD THE TOTAL OF 12 CREDITS REQUIRED FOR GRADUATION.

********

SEE DEPT FOR REFERENCE NUMBERS

COOPERATIVE EDUCATION

HORT 398 R CREDIT

Prereq: PERMISSION OF DEPARTMENT RESOURCE AND CAREER CENTER COORDINATOR

Satisfactory-Fail Only.

3652005 1 ARRANGED

MEETS: MAY 20-AUG 9

IND ST GREENHS CROP

HORT 490A VAR. CREDITS

Prereq: JUNIOR OR SENIOR CLASSIFICATION IN HORTICULTURE OR PERMISSION OF INSTRUCTOR

Note: NO MORE THAN 4 CREDITS OF HORT 490 AND AN ADDITIONAL 2 CREDITS OF 490 FROM OUTSIDE HORTICULTURE MAY BE USED TOWARD THE TOTAL OF 129 CREDITS REQUIRED FOR GRADUATION.

********

SEE DEPT FOR REFERENCE NUMBERS

IND STYD NURS CROPS

HORT 490B VAR. CREDITS

Prereq: JUNIOR OR SENIOR CLASSIFICATION IN HORTICULTURE OR PERMISSION OF INSTRUCTOR

Note: NO MORE THAN 4 CREDITS OF HORT 490 AND AN ADDITIONAL 2 CREDITS OF 490 FROM OUTSIDE HORTICULTURE MAY BE USED TOWARD THE TOTAL OF 129 CREDITS REQUIRED FOR GRADUATION.

********

SEE DEPT FOR REFERENCE NUMBERS

IND STYD TURFGRASS

HORT 490C VAR. CREDITS

Prereq: JUNIOR OR SENIOR CLASSIFICATION IN HORTICULTURE OR PERMISSION OF INSTRUCTOR

Note: NO MORE THAN 4 CREDITS OF HORT 490 AND AN ADDITIONAL 2 CREDITS OF 490 FROM OUTSIDE HORTICULTURE MAY BE USED TOWARD THE TOTAL OF 129 CREDITS REQUIRED FOR GRADUATION.

********

SEE DEPT FOR REFERENCE NUMBERS

IND STU FRUIT CROPS

HORT 490D VAR. CREDITS

Prereq: JUNIOR OR SENIOR CLASSIFICATION IN HORTICULTURE OR PERMISSION OF INSTRUCTOR

Note: NO MORE THAN 4 CREDITS OF HORT 490 AND AN ADDITIONAL 2 CREDITS OF 490 FROM OUTSIDE HORTICULTURE MAY BE USED TOWARD THE TOTAL OF 129 CREDITS REQUIRED FOR GRADUATION.

********

SEE DEPT FOR REFERENCE NUMBERS

IND STU VEG CROPS

HORT 490E VAR. CREDITS

Prereq: JUNIOR OR SENIOR CLASSIFICATION IN HORTICULTURE OR PERMISSION OF INSTRUCTOR

Note: NO MORE THAN 4 CREDITS OF HORT 490 AND AN ADDITIONAL 2 CREDITS OF 490 FROM OUTSIDE HORTICULTURE MAY BE USED TOWARD THE TOTAL OF 129 CREDITS REQUIRED FOR GRADUATION.

********

SEE DEPT FOR REFERENCE NUMBERS

INTERNATIONAL STUDY

HORT 490F VAR. CREDITS

Prereq: JUNIOR OR SENIOR CLASSIFICATION IN HORTICULTURE OR PERMISSION OF INSTRUCTOR

Note: NO MORE THAN 4 CREDITS OF HORT 490 AND AN ADDITIONAL 2 CREDITS OF 490 FROM OUTSIDE HORTICULTURE MAY BE USED TOWARD THE TOTAL OF 129 CREDITS REQUIRED FOR GRADUATION.

********

SEE DEPT FOR REFERENCE NUMBERS

IND ST LANDSCP HORT

HORT 490G VAR. CREDITS

Prereq: JUNIOR OR SENIOR CLASSIFICATION IN HORTICULTURE OR PERMISSION OF INSTRUCTOR

Note: NO MORE THAN 4 CREDITS OF HORT 490 AND AN ADDITIONAL 2 CREDITS OF 490 FROM OUTSIDE HORTICULTURE MAY BE USED TOWARD THE TOTAL OF 129 CREDITS REQUIRED FOR GRADUATION.

********

SEE DEPT FOR REFERENCE NUMBERS

INDEP STUDY HONORS

HORT 490H VAR. CREDITS

Prereq: JUNIOR OR SENIOR CLASSIFICATION IN HORTICULTURE OR PERMISSION OF INSTRUCTOR

Note: NO MORE THAN 4 CREDITS OF HORT 490 AND AN ADDITIONAL 2 CREDITS OF 490 FROM OUTSIDE HORTICULTURE MAY BE USED TOWARD THE TOTAL OF 129 CREDITS REQUIRED FOR GRADUATION. RESTRICTED TO UNIVERSITY HONORS PROGRAM STUDENTS ONLY.

********

SEE DEPT FOR REFERENCE NUMBERS

IND STYD ENTREPREN

HORT 490J VAR. CREDITS

Prereq: JUNIOR OR SENIOR CLASSIFICATION IN HORTICULTURE OR PERMISSION OF INSTRUCTOR

********

SEE DEPT FOR REFERENCE NUMBERS

SEED SCI INTERNSHIP

HORT 491 1-2 CREDITS

Prereq: AGRO 238, ADVANCED APPROVAL AND PARTICIPATION OF EMPLOYER AND INSTRUCTOR

Note: Instructor permission required.

9370005 1 ARRANGED

MEETS: MAY 20-AUG 9

SERVICES LOCAL ECONOM

HORT 492A VAR. CREDITS

Prereq: PERMISSION OF INSTRUCTOR

3160005 1 ARRANGED

MEETS: MAY 20-AUG 9

Note: VIRGIN ISLANDS

SPECIAL TOPICS

HIST 590 VAR. CREDITS

********

SEE DEPT FOR REFERENCE NUMBERS

CREATIVE COMPONENT

HIST 599 VAR. CREDITS

********

SEE DEPT FOR REFERENCE NUMBERS

RSRCH GREENHOUSE CROP

HORT 699A VAR. CREDITS

********

SEE DEPT FOR REFERENCE NUMBERS

RSRCH NURSERY CROPS

HORT 699B VAR. CREDITS

********

SEE DEPT FOR REFERENCE NUMBERS

RESEARCH TURFGRASS

HORT 699C VAR. CREDITS

********

SEE DEPT FOR REFERENCE NUMBERS

RESEARCH FRUIT CROPS

HORT 699D VAR. CREDITS

********

SEE DEPT FOR REFERENCE NUMBERS

RESEARCH VEG CROPS

HORT 699E VAR. CREDITS

********

SEE DEPT FOR REFERENCE NUMBERS

RSRCH CROSS-COMMODITY CROP

HORT 699F VAR. CREDITS

********

SEE DEPT FOR REFERENCE NUMBERS

HOSPITALITY MANAGEMENT

INTERNSHIP HOSPITALITY

HSP M 470 3-6 CREDITS

Prereq: AESHM 270, AESHM 311, 9 CREDITS IN HSP M, MINIMUM 2.0 GPA; PERMISSION BY APPLICATION; JUNIOR OR SENIOR CLASSIFICATION; EMPLOYER AND LOCATION MUST BE DIFFERENT THAN THOSE USED FOR AESHM 170 AND 270.

********

SEE DEPT FOR REFERENCE NUMBERS

IND ST HOSP LMTY MGT

HSP M 490B VAR. CREDITS

Prereq: PROGRAM APPROVAL

Note: NO MORE THAN 9 TOTAL CREDITS OF HSP M 290 AND HSP M 490 MAY BE APPLIED TOWARD GRADUATION

Instructor permission required 1st week.

********

SEE DEPT FOR REFERENCE NUMBERS

IND ST LODGING OPER

HSP M 490D VAR. CREDITS

Prereq: PROGRAM APPROVAL

Note: NO MORE THAN 9 TOTAL CREDITS OF HSP M 290 AND HSP M 490 MAY BE APPLIED TOWARD GRADUATION

Instructor permission required 1st week.

********

SEE DEPT FOR REFERENCE NUMBERS
HOSPITALITY MANAGEMENT (CONTINUED)

IND STU FOODSRVC OP HSP M 490E VAR. CREDITS
Prereq: PROGRAM APPROVAL
Note: NO MORE THAN 9 TOTAL CREDITS OF HSP M 290
AND HSP M 490 MAY BE APPLIED TOWARD GRADUATION
Instructor permission required 1st week.
******* SEE DEPT FOR REFERENCE NUMBERS

INDEP STUDY HONORS HSP M 490H VAR. CREDITS
Prereq: PROGRAM APPROVAL, FULL MEMBERSHIP IN
HONORS PROGRAM
Note: COURSE RESTRICTED TO HONORS PROGRAM STUDENTS ONLY
NO MORE THAN 9 TOTAL CREDITS OF HSP M 290 AND
HSP M 490 MAY BE APPLIED TOWARD GRADUATION
Instructor permission required 1st week.
******* SEE DEPT FOR REFERENCE NUMBERS

HOSPITAL MGT SCHOLAR HSP M 505 1 CREDIT
3423005 1 TR 8:00-5:00, ARRANGED
MEETS: JUNE 9-AUG 9
Note: CAMPUS MEETINGS JUNE 5-6 ONLY

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

SP TOP HSPTLY MGT HSP M 590B VAR. CREDITS
Prereq: 9 CR IN HSP M AT 400 LEVEL OR ABOVE AND
SUBMISSION OF APPLICATION TO DEPARTMENT
Instructor permission required 1st week.
******* SEE DEPT FOR REFERENCE NUMBERS

SPL TOP CMRC FDSRV HSP M 590E VAR. CREDITS
Prereq: 9 CR IN HSP M AT 400 LEVEL OR ABOVE AND
SUBMISSION OF APPLICATION TO DEPARTMENT
Instructor permission required 1st week.
******* SEE DEPT FOR REFERENCE NUMBERS

CREATIVE COMPONENT HSP M 599 VAR. CREDITS
Note: Instructor permission required 1st week.
******* SEE DEPT FOR REFERENCE NUMBERS

PROFESSIONAL WRITING HSP M 604 2 CREDITS
8484005 1 ARRANGED
MEETS: JUNE 9-AUG 9

ADV HOSP FINANC MGT HSP M 633 3 CREDITS
Prereq: HSP M 433; ENROLLMENT IN PH.D. PROGRAM
4397005 1 WMTS 8:00-5:00
MEETS: JUNE 21-JUNE 25
Note: ARRANGED REPRESENTS A SUNDAY MEETING 8:00-5:00

SEM MARKTG THOUGHTS HSP M 640 3 CREDITS
Prereq: HSP M 430; STAT 401; ENROLLMENT IN PH.D. PROGRAM
5331005 1 WMTS 8:00-5:00
MEETS: JULY 3-7
Note: ARRANGED REPRESENTS THE SUNDAY 8:00-5:00 MEETING

ADV LODGING OPERATN HSP M 652 3 CREDITS
Prereq: ENROLLMENT IN PH.D. PROGRAM
3497005 1 WMTS 8:00-5:00
MEETS: JUNE 13-17
Note: ARRANGED REPRESENTS THE SUNDAY 8:00-5:00 MEETING

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

ADV TOPICS TOURISM HSP M 690C VAR. CREDITS
Prereq: ENROLLMENT IN PH.D. PROGRAM; SUBMISSION
OF APPLICATION TO DEPARTMENT
******* SEE DEPT FOR REFERENCE NUMBERS

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

RESEARCH HSP M 699 VAR. CREDITS
Prereq: ENROLLMENT IN PH.D. PROGRAM
Note: Instructor permission required 1st week.
******* SEE DEPT FOR REFERENCE NUMBERS

HUMAN COMPUTER INTERACTION

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

HUMAN DEVELOPMENT & FAMILY STUDIES

FIELD EXPERIENCES HD FS 317 1-6 CREDITS
Prereq: 9 CREDITS IN HD FS
******* SEE DEPT FOR REFERENCE NUMBERS

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

INDEP STUDY HONORS HD FS 490H VAR. CREDITS
Prereq: 6 CREDITS IN HD FS
******* SEE DEPT FOR REFERENCE NUMBERS

INTERNSHIP HD FS 491 4-9 CREDITS
Prereq: HD FS 418B; PERMISSION OF INSTRUCTOR;
SECOND CLASSIFICATION; MINIMUM 2.0 GPA; RESERVATION
REQUIRED 12 WEEKS BEFORE PLACEMENT
******* SEE DEPT FOR REFERENCE NUMBERS

RESEARCH HD FS 499 1-6 CREDITS
Prereq: PERMISSION OF INSTRUCTOR
******* SEE DEPT FOR REFERENCE NUMBERS

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

CREATIVE COMPONENT HD FS 599 VAR. CREDITS
Prereq: 10 GRAD CREDITS
******* SEE DEPT FOR REFERENCE NUMBERS

SEX HUM DV, FAMILY HD FS 591I VAR. CREDITS
Prereq: 9 GRADUATE CREDITS IN HD FS
******* SEE DEPT FOR REFERENCE NUMBERS

ADV TOP HUMAN, FAMILY HD FS 690I VAR. CREDITS
Prereq: PERMISSION OF INSTRUCTOR
******* SEE DEPT FOR REFERENCE NUMBERS

COLLEG TCH INTERNSH HD FS 691A VAR. CREDITS
Prereq: INSTR PERMISSN, ENROLLMENT IN PH.D. PROGRAM
******* SEE DEPT FOR REFERENCE NUMBERS

RESEARCH HD FS 691B VAR. CREDITS
******* SEE DEPT FOR REFERENCE NUMBERS

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

HUMAN SCIENCE

1ST SS 2019

IMMUNOBIOLOGY

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

INDUS DSN INTERNSHIP I E 397 6 CREDITS
Prereq: IND D 202, 18 CR IN INDUSTRIAL DESIGN,
PERMISSION OF INSTRUCTOR
6164005 1 ARRANGED
MEETS: MAY 20-AUG 9

SEL TOPICS: 3-D DSIGN I E 490C VAR. CREDITS
Prereq: IND D 490D, 3 CREDITS
MEETS: MAY 20-AUG 9

SPECIAL TOPICS I D 590 3 CREDITS
Prereq: COMPLETION OF INDUSTRIAL DESIGN STUDIO
OR PERMISSION OF INSTRUCTOR

SPECIAL PROJECTS I D 592 VAR. CREDITS
Prereq: COMPLETION OF INDUSTRIAL DESIGN STUDIO
OR PERMISSION OF INSTRUCTOR
4181005 A MW 8:30-12:00
MEETS: MAY 20-JULY 12

INTERNSHIP I D 597 6 CREDITS
Prereq: COMPLETION OF INDUSTRIAL DESIGN STUDIO
OR PERMISSION OF INSTRUCTOR
9463005 1 ARRANGED
MEETS: MAY 20-AUG 9

THESES
Prereq: IND D 699 6 CREDITS

INDUSTRIAL ENGINEERING

ENGR ECONOMIC ANALY I E 305 3 CREDITS
Prereq: MATH 166
4425005 1 M 9:00-10:50, ARRANGED
MEETS: MAY 20-JULY 12

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

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

MANUFACT SYSTM ENGR I E 448 3 CREDITS
Prereq: I E 248, I E 305
6090005 1 MTWR 8:40-9:40
MEETS: MAY 20-JULY 12

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

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

ENTRPRIS MODLANTGRA I E 582 3 CREDITS
Prereq: 3 CREDITS IN INFORMATION TECHNOLOGY OR
INFORMATION SYSTEMS
3560005 1 MTWR 8:40-9:40
MEETS: MAY 20-JULY 12

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

CREATIVE COMPONENT I E 599 VAR. CREDITS
Satisfactory-Fail Only.

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

INFORMATION ASSURANCE

INFO ASSURNC INTERN INFAS 697 R CREDIT
Prereq: PERMISSION OF GRADUATE CLASSIFICATION
Satisfactory-Fail Only.
8082005 A ARRANGED
MEETS: MAY 20-AUG 9

INTEGRATED STUDIO ARTS

PRIN 3D ANIMATION ARTIS 408 3 CREDITS
Prereq: ARTIS 308
1834005 1 MTWR 11:00-3:00
MEETS: MAY 20-JUNE 28

INDEP STDY CERAMICS ARTIS 490B 1-6 CREDITS
Prereq: WRITTEN APPROVAL OF INSTR AND DEPT CHAIR
ON REQ'D FORM IN ADVANCE OF SEMESTER OF ENROLLMENT
Note: Instructor permission required 1st week.

INDEP STDY DRAWING ARTIS 490D 1-6 CREDITS
Prereq: WRITTEN APPROVAL OF INSTR AND DEPT CHAIR
ON REQ'D FORM IN ADVANCE OF SEMESTER OF ENROLLMENT
Note: Instructor permission required 1st week.

INDEP STI ILLUSTRATION ARTIS 490F 1-6 CREDITS
Prereq: WRITTEN APPROVAL OF INSTR AND DEPT CHAIR
ON REQ'D FORM IN ADVANCE OF SEMESTER OF ENROLLMENT
Note: Instructor permission required 1st week.

INDEP STY TEXTILES ARTIS 490E 1-6 CREDITS
Prereq: WRITTEN APPROVAL OF INSTR AND DEPT CHAIR
ON REQ'D FORM IN ADVANCE OF SEMESTER OF ENROLLMENT
Note: Instructor permission required 1st week.

INDEP STUDY COMPUTER A&D ARTIS 490C 1-6 CREDITS
Prereq: WRITTEN APPROVAL OF INSTR AND DEPT CHAIR
ON REQ'D FORM IN ADVANCE OF SEMESTER OF ENROLLMENT
Note: Instructor permission required 1st week.

INDEP STUDY METALS ARTIS 490G 1-6 CREDITS
Prereq: WRITTEN APPROVAL OF INSTR AND DEPT CHAIR
ON REQ'D FORM IN ADVANCE OF SEMESTER OF ENROLLMENT
Note: Instructor permission required 1st week.

INDEPSTUDY CERAMICS ARTIS 490B 1-6 CREDITS
Prereq: ARTIS 308

INDEPSTUDY DRAWING ARTIS 490D 1-6 CREDITS
Prereq: ARTIS 308

INDEPSTUDY HONORS ARTIS 490H 1-6 CREDITS
Prereq: ARTIS 308

INDEPSTUDY PAINTING ARTIS 490I 1-6 CREDITS
Prereq: ARTIS 308

INDEPENDENT STUDY PHOTOGRAPHY ARTIS 490J 1-6 CREDITS
Prereq: WRITTEN APPROVAL OF INSTR AND DEPT CHAIR
ON REQ'D FORM IN ADVANCE OF SEMESTER OF ENROLLMENT
Note: Instructor permission required 1st week.

INDEPENDENT STUDIO ARTS (CONTINUED)
INTEGRATED STUDIO ARTS (CONTINUED)

IND STU MIXED MEDIA ARTIS 490M 1-6 CREDITS
Prereq: WRITTEN APPROVAL OF INSTR AND DEPT CHAIR
ON REQUIRED FORM IN ADVANCE OF SEMESTER OF ENROLLMENT.
Note: Materials and equipment use fee $25.00
******* SEE DEPT FOR REFERENCE NUMBERS

WORKSHOP: PAINTING ARTIS 493I 1-3 CREDITS
Prereq: COURSE RESTRICTED TO IGS MAJORS ONLY
8159005 1 MTWRF 9:00-11:50
MEETS: MAY 20-JULY 12
Note: Section 1 offered for 3 credits. Topic: Pastels.

STUDIO INTERNSHIP ARTIS 497 1-6 CREDITS
Satisfactory-Fail Only.
******* SEE DEPT FOR REFERENCE NUMBERS

SPL TOPICS CERAMICS ARTIS 590B VAR. CREDITS
Prereq: BACHELOR'S DEGREE IN ART AND/OR DSGN,
OR EVIDENCE OF SATISFACTORY EQUIV IN SPECIALIZED
AREA. WRITTEN APPROVAL OF INSTR AND DEPT CHAIR
ON REQUIRED FORM IN ADVANCE OF SEM. OF ENROLLMT.
Note: Instructor permission required 1st week.
******* SEE DEPT FOR REFERENCE NUMBERS

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

SPL TOPICS PAINTING ARTIS 590I VAR. CREDITS
Prereq: BACHELOR'S DEGREE IN ART AND/OR DSGN,
OR EVIDENCE OF SATISFACTORY EQUIV IN SPECIALIZED
AREA. WRITTEN APPROVAL OF INSTR AND DEPT CHAIR
ON REQUIRED FORM IN ADVANCE OF SEM. OF ENROLLMT.
Note: Instructor permission required 1st week.
******* SEE DEPT FOR REFERENCE NUMBERS

SPL TOP PRODUCTION ARTIS 590J VAR. CREDITS
Prereq: BACHELOR'S DEGREE IN ART AND/OR DSGN,
OR EVIDENCE OF SATISFACTORY EQUIV IN SPECIALIZED
AREA. WRITTEN APPROVAL OF INSTR AND DEPT CHAIR
ON REQUIRED FORM IN ADVANCE OF SEM. OF ENROLLMT.
Note: Materials and equipment use fee $50.00
******* SEE DEPT FOR REFERENCE NUMBERS

SPL TOP PRINTING ARTIS 590K VAR. CREDITS
Prereq: BACHELOR'S DEGREE IN ART AND/OR DSGN,
OR EVIDENCE OF SATISFACTORY EQUIV IN SPECIALIZED
AREA. WRITTEN APPROVAL OF INSTR AND DEPT CHAIR
ON REQUIRED FORM IN ADVANCE OF SEM. OF ENROLLMT.
Note: Instructor permission required 1st week.
Materials fee $40.00
******* SEE DEPT FOR REFERENCE NUMBERS

SPL TOP GRAPHIC DESIGN ARTIS 590L VAR. CREDITS
Prereq: BACHELOR'S DEGREE IN ART AND/OR DSGN,
OR EVIDENCE OF SATISFACTORY EQUIV IN SPECIALIZED
AREA. WRITTEN APPROVAL OF INSTR AND DEPT CHAIR
ON REQUIRED FORM IN ADVANCE OF SEM. OF ENROLLMT.
Note: Instructor permission required 1st week.
Materials fee $90.00
******* SEE DEPT FOR REFERENCE NUMBERS

SPL TOP MIXED MEDIA ARTIS 590M VAR. CREDITS
Prereq: BACHELOR'S DEGREE IN ART AND/OR DSGN,
OR EVIDENCE OF SATISFACTORY EQUIV IN SPECIALIZED
AREA. WRITTEN APPROVAL OF INSTR AND DEPT CHAIR
ON REQUIRED FORM IN ADVANCE OF SEM. OF ENROLLMT.
Note: Materials and equipment use fee $25.00
******* SEE DEPT FOR REFERENCE NUMBERS

STUDIO INTERNSHIP ARTIS 697 VAR. CREDITS
2663005 1 MTWRF 9:00-11:50
MEETS: MAY 20-AUG 9
Note: Instructor permission required 1st week.

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

IOWA LAKESIDE LABORATORY

ECOLOGY IA LL 312I 4 CREDITS
Note: Permission of Lakeside Lab Office required
3707005 MTWRF 8:00-5:00
MEETS: MAY 20-JUNE 14
Note: Tuition Category: Iowa Lakeside Lab

ORNITHOLOGY IA LL 326I 2 CREDITS
Note: Permission of Lakeside Lab Office required
3721005 MTWRF 8:00-5:00
MEETS: JUNE 17-JULY 12
Note: Tuition Category: Iowa Lakeside Lab

BEHAVIORAL ECOLOGY IA LL 404I 4 CREDITS
Note: Permission of Lakeside Lab Office required
8055005 MTWRF 8:00-5:00
MEETS: JUNE 17-JULY 12
Note: Tuition Category: Iowa Lakeside Lab

FIELD ARCHAEOLOGY IA LL 427I 1-4 CREDITS
Note: Permission of Lakeside Lab Office required
3840005 MTWRF 8:00-5:00
MEETS: JUNE 17-JULY 12
Note: Tuition Category: Iowa Lakeside Lab
JOURNALISM & MASS COMMUNICATION

MASS MEDIA & SOCIETY  JL MC 101  3 CREDITS
4656005  1A MTWR 11:00-11:50 MEETS: JUNE 17-12
Note: SECTION 1A RESTRICTED TO ADVRT, JL MC, P R MAJORS
4656100  1B MTWR 11:00-11:50 MEETS: JUNE 17-12
Note: SECTION 1B RESTRICTED TO MAJORS OTHER THAN ADVRT, JL MC, P R
REPORTWRIT MASS MD JL MC 201  3 CREDITS
Prereq: CLASSIFICATION IN A GREENLEE SCHOOL; MAJOR OR PERMISSION OF DEPARTMENT; PASS DEPARTMENTAL ASSESSMENT EXAM IN LANGUAGE SKILLS BEFORE REGISTERING; ENGL 250; CREDIT OR ENROLLMENT IN JL MC 110
Note: COURSE RESTRICTED TO JL MC, ADVRT, P R MAJORS
4658005  1 MTWR 8:40-10:50 MEETS: JUNE 10-14
Syllabus: http://www.jlmc.iastate.edu/undergrad

INDEPENDENT STUDY CMUNCATN JL MC 490  VAR. CREDITS
Prereq: JUNIOR CLASSIFICATION AND CONTRACT WITH SUPERVISING PROFESSOR TO REGISTER
Note: NO MORE THAN 3 CREDITS OF JL MC 490 MAY BE APPLIED TOWARD A DEGREE IN JL MC OR ADVERTISING
***** SEE DEPT FOR REFERENCE NUMBERS

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

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

SPECIAL TOPICS P E KIN 590A  1- 3 CREDITS
Note: Instructor permission required 1st week.
***** SEE DEPT FOR REFERENCE NUMBERS

COURSE RECOMMENDATIONS

SP TOP SRLZ COMMUC JL MC 500E  VAR. CREDITS
Prereq: PERMISSION OF INSTRUCTOR
***** SEE DEPT FOR REFERENCE NUMBERS

PROFESNL INTERNSHIP JL MC 591  1- 2 CREDITS
Prereq: PERMISSION OF INSTRUCTOR
Note: COURSE ONLY OFFERED FOR 2 CREDITS SUMMER 2019
***** SEE DEPT FOR REFERENCE NUMBERS

CREATIVE COMPONENT JL MC 599  VAR. CREDITS
Prereq: APPROVED CREDIT COMPONENT PROPOSAL
***** SEE DEPT FOR REFERENCE NUMBERS

THESIS RESEARCH JL MC 699  VAR. CREDITS
Prereq: APPROVED THESIS PROPOSAL
***** SEE DEPT FOR REFERENCE NUMBERS

KINESIOLOGY

CNCEPTS FITNNS&WELLN KIN 210  2 CREDITS
8843005  1 ARRANGED MEETS: MAY 20-JUNE 28
Note: Course delivery is WW

INDEPENDENT STUDY KIN 290  1 CREDIT
Prereq: FRESHMEN OR 2ND SEMESTER FRESHMAN,
PERMISSION OF INSTRUCTOR
Note: Instructor permission required.
***** SEE DEPT FOR REFERENCE NUMBERS

BIOMECHANICS KIN 355  3 CREDITS
5752005  1 MTWR 9:50-11:05 MEETS: MAY 20-JULY 12

PHYSIOLOGY EXERCISE KIN 358  3 CREDITS
Prereq: BIOL 255, BIOL 255L, BIOL 256 AND BIOL 256L
5766005  1 MTWR 9:50-11:30 MEETS: MAY 20-JUNE 28

EXERCISE PSYCHOLOGY KIN 366  3 CREDITS
Prereq: PSYCH 101 OR PSYCH 230
719005  1 MTWR 8:00-10:00 MEETS: JUNE 12-14

MOTOR CRTROL LIFESP KIN 372  3 CREDITS
Prereq: PSYCH 101 OR PSYCH 230, BIOL 255,256
9623005  1 MTWR 1:20-3:30 MEETS: MAY 20-JUNE 28

INTERNSH FITNNS MGT KIN 485A  8-16 CREDITS
Prereq: ALL REQUIRED COURSES; C- OR BETTER IN KIN 458, KIN 459, AND KIN 462; CLASSIFICATION IN A KINESIOLOGY OR HEALTH MAJOR; CUMULATIVE GPA 2.0
5772005  1 ARRANGED MEETS: MAY 20-AUG 9

IND STUDY EXERSPRT KIN 490A  1- 3 CREDITS
Prereq: 6 CREDITS FROM KIN ADVANCED CORE AND PERMISSION OF COORDINATOR
Note: Instructor permission required 1st week.
***** SEE DEPT FOR REFERENCE NUMBERS

INDEPENDENT STUDY HONORS KIN 490H  1- 2 CREDITS
Prereq: 6 CREDITS FROM KIN ADVANCED CORE AND PERMISSION OF COORDINATOR
Note: COURSE RESTRICTED TO HONORS PROGRAM STUDENTS ONLY
Instructor permission required 1st week.
***** SEE DEPT FOR REFERENCE NUMBERS

SPECIAL TOPICS KIN 590A  1- 3 CREDITS
Note: Instructor permission required 1st week.
***** SEE DEPT FOR REFERENCE NUMBERS

SPL TP HEALTH PROMO KIN 590B  1- 3 CREDITS
***** SEE DEPT FOR REFERENCE NUMBERS

SPL TOP EXERC PHYSYL KIN 590D  1- 3 CREDITS
Note: Instructor permission required 1st week.
***** SEE DEPT FOR REFERENCE NUMBERS

SPL TOP SPORT SOCIO KIN 590E  1- 3 CREDITS
Note: Instructor permission required 1st week.
***** SEE DEPT FOR REFERENCE NUMBERS

SPL TOP SPORT PSYCH KIN 590F  1- 3 CREDITS
Note: Instructor permission required 1st week.
***** SEE DEPT FOR REFERENCE NUMBERS

SPL TOP MOTOR BEHAV KIN 590G  1- 3 CREDITS
Note: Instructor permission required 1st week.
***** SEE DEPT FOR REFERENCE NUMBERS
KINESIOLOGY

(Continued)

SPL TOP BIOMECHANICS KIN 590H 1-3 CREDITS
Note: Instructor permission required 1st week.
********
See Dept for Reference Numbers

SPL TOP RSRC ETHCS KIN 590I 1-3 CREDITS
Note: Instructor permission required 1st week.
********
See Dept for Reference Numbers

SUPV FIELD EXP P E KIN 591A 1-6 CREDITS
Prereq: 10 GRAD CR IN KIN AND/OR RELATED AREAS
Note: Instructor permission required 1st week.
********
See Dept for Reference Numbers

SUP FLD EXP EX PHYS KIN 591D 1-6 CREDITS
Prereq: 10 GRAD CR IN KIN AND/OR RELATED AREAS
Note: Instructor permission required 1st week.
********
See Dept for Reference Numbers

PRACTM COLLEG TCHG KIN 592 1-3 CREDITS
Note: Instructor permission required 1st week.
********
See Dept for Reference Numbers

CREATIVE COMPONENT KIN 599 1-3 CREDITS
Note: Instructor permission required 1st week.
********
See Dept for Reference Numbers

RESEARCH KIN 699 1-6 CREDITS
Note: Instructor permission required 1st week.
********
See Dept for Reference Numbers

LANDSCAPE ARCHITECTURE

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

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

LA NAT'L STTD XCHNG L A 444C R CREDIT
Prereq: L A 341 OR PERMISSION OF ADVISER AND CHAIR
6213005 1 ARRANGED
MEETS: MAY 20-AUG 9

TOPIc INTERDISCPLN L A 478I 2-3 CREDITS
Note: Course only offered for 3 CREDITS SUMMER 2019
3970010 2 ARRANGED
MEETS: MAY 20-JULY 12
Note: Course delivery is WWW

IND STDY LAND DSGN L A 490A 1-6 CREDITS
Note: Instructor permission required 1st week.
********
See Dept for Reference Numbers

IND STDY PLNTNG DSN L A 490B 1-6 CREDITS
Note: Instructor permission required 1st week.
********
See Dept for Reference Numbers

IND STUDY CONSTRUCT L A 490C 1-6 CREDITS
Prereq: INSTR & DEPT CHAIR APPROVAL ON REQ'D FORM
Note: Instructor permission required 1st week.
********
See Dept for Reference Numbers

INDEP STUDY HISTORY L A 490D 1-6 CREDITS
Prereq: INSTR & DEPT CHAIR APPROVAL ON REQ'D FORM
Note: Instructor permission required 1st week.
********
See Dept for Reference Numbers

IND STU LANDSC PLAN L A 490E 1-6 CREDITS
Note: Instructor permission required 1st week.
********
See Dept for Reference Numbers

IND STU URBAN DSGN L A 490F 1-6 CREDITS
Prereq: INSTR & DEPT CHAIR APPROVAL ON REQ'D FORM
Note: Instructor permission required 1st week.
********
See Dept for Reference Numbers

INDEP STUDY GRAPHICS L A 490G 1-6 CREDITS
Prereq: INSTR & DEPT CHAIR APPROVAL ON REQ'D FORM
Note: Instructor permission required 1st week.
********
See Dept for Reference Numbers

INDEP STUDY HONORS L A 490H 1-6 CREDITS
Prereq: INSTR & DEPT CHAIR APPROVAL ON REQ'D FORM
Membership in Univ Honors Program
Note: Course restricted to honors program students only
Instructor permission required 1st week.
********
See Dept for Reference Numbers

LANDSCAPE ARCHITECTURE

(Continued)

IND STUDY INTERDISC L A 490I 1-6 CREDITS
Prereq: INSTR & DEPT CHAIR APPROVAL ON REQ'D FORM
Note: Instructor permission required 1st week.
********
See Dept for Reference Numbers

IND STU INT'L STUDI L A 490J 1-6 CREDITS
Prereq: INSTR & DEPT CHAIR APPROVAL ON REQ'D FORM
Note: Instructor permission required 1st week.
********
See Dept for Reference Numbers

IND STDY CMPTR APPL L A 490K 1-6 CREDITS
Prereq: INSTR & DEPT CHAIR APPROVAL ON REQ'D FORM
Note: Instructor permission required 1st week.
********
See Dept for Reference Numbers

IND STDY ECO DESIGN L A 490L 1-6 CREDITS
Prereq: INSTR & DEPT CHAIR APPROVAL ON REQ'D FORM
Note: Instructor permission required 1st week.
********
See Dept for Reference Numbers

IND STDY SOCIAL/BHV L A 490M 1-6 CREDITS
Prereq: INSTR & DEPT CHAIR APPROVAL ON REQ'D FORM
Note: Instructor permission required 1st week.
********
See Dept for Reference Numbers

IND STU NATU RESRCE L A 490N 1-6 CREDITS
Prereq: INSTR & DEPT CHAIR APPROVAL ON REQ'D FORM
Note: Instructor permission required 1st week.
********
See Dept for Reference Numbers

TOPIc INTERDISCPLN L A 578I 2-3 CREDITS
Prereq: L A 202 OR SENIOR OR GRAD CLASSIFICATION
Note: Course only offered for 3 CREDITS SUMMER 2019
7202010 2 ARRANGED
MEETS: MAY 20-JULY 12
Note: Instructor permission required 1st week.
********
See Dept for Reference Numbers

TOPICS CMPUTR APPS L A 578K 2-3 CREDITS
Prereq: SENIOR OR GRAD CLASSIFICATION
Note: Instructor permission required 1st week.
9968005 1 MWF 8:40-10:50
MEETS: JUNE 17-AUG 9

THESIS, CRTV CMP, TUT L A 580 1-4 CREDITS
Prereq: PERMISSION OF MAJOR PROFESSOR
Note: Instructor permission required 1st week.
********
See Dept for Reference Numbers

SPL TOP LANDSC DSGN L A 590A 1-6 CREDITS
Prereq: GRADUATE STANDING
Note: Instructor permission required 1st week.
********
See Dept for Reference Numbers

SPL TOP PLNTNG DSN L A 590B 1-6 CREDITS
Prereq: GRADUATE STANDING
Note: Instructor permission required 1st week.
********
See Dept for Reference Numbers

SPL TOP CONSTRUCTN L A 590C 1-6 CREDITS
Prereq: GRADUATE STANDING
Note: Instructor permission required 1st week.
********
See Dept for Reference Numbers

SPL TOPICS HISTORY L A 590D 1-6 CREDITS
Prereq: GRADUATE STANDING
Note: Instructor permission required 1st week.
********
See Dept for Reference Numbers

SPL TOPS HISTORY L A 590E 1-6 CREDITS
Prereq: GRADUATE STANDING
Note: Instructor permission required 1st week.
********
See Dept for Reference Numbers

SPL TOP INTERDISCPLN L A 590I 1-6 CREDITS
Prereq: GRADUATE STANDING
Note: Instructor permission required 1st week.
********
See Dept for Reference Numbers

SPL TOP URBAN DSGN L A 590F 1-6 CREDITS
Prereq: GRADUATE STANDING
Note: Instructor permission required 1st week.
********
See Dept for Reference Numbers

SPL TOPICS GRAPHICS L A 590G 1-6 CREDITS
Prereq: GRADUATE STANDING
Note: Instructor permission required 1st week.
********
See Dept for Reference Numbers

SPL TOPC PLNTNG DSN L A 590H 1-6 CREDITS
Prereq: GRADUATE STANDING
Note: Instructor permission required 1st week.
********
See Dept for Reference Numbers

SPL TOP STUDY HONORS L A 590I 1-6 CREDITS
Prereq: GRADUATE STANDING
Note: Instructor permission required 1st week.
********
See Dept for Reference Numbers

SPL TOP CMPT R APPL L A 590K 1-6 CREDITS
Prereq: GRADUATE STANDING
Note: Instructor permission required 1st week.
********
See Dept for Reference Numbers
LANDSCAPE ARCHITECTURE  

INTERNSHIP/CO-OP  
LAS 298  R CREDIT  
**Note: Instructor permission required.**  
**SEE DEPT FOR REFERENCE NUMBERS**

LIBERAL ARTS & SCIENCES  

INTERNSHIP/CO-OP  
LAS 298  R CREDIT  
**Note: Instructor permission required.**  
**SEE DEPT FOR REFERENCE NUMBERS**

LIBRARY  

INFORMAT LITERACY  
LIB 160  1 CREDIT  
**Note: Course not open to P BUS majors. Graduate students see 1200 GERDIN for permission to add.**  
**SEE DEPT FOR REFERENCE NUMBERS**

LINGUISTICS  

IND STU LINGUISTICS  
LING 490B VAR. CREDITS  
**Note: Course not open to P BUS majors.**  
**SEE DEPT FOR REFERENCE NUMBERS**

MANAGEMENT  

MANAGM ORGANIZATIONS  
MGMT 370  3 CREDITS  
**Note: Course not open to P BUS majors. Graduate students see 1200 GERDIN for permission to add.**  
**SEE DEPT FOR REFERENCE NUMBERS**
MANAGEMENT INFORMATION SYSTEMS

FUND CPTR PROGRAMING MIS 207 3 CREDITS
Prereq: MATH 150 OR PLACEMENT INTO MATH 140 OR HIGHER

6633005 A MTWRF 11:00-12:00
TR 1:00-2:10
MEETS: MAY 20-JULY 12

MGMT INFO SYSTEMS MIS 301 3 CREDITS
Prereq: COM S 113 OR BUSAD 150
4394005 A1 MTWRF 12:10-1:20
MEETS: JUNE 17-JULY 12
Note: SECTION A1 RESTRICTED TO ACCT, AGB, BUS S, AST, BUS U, BUSAC, ENTPS, FIN, I TEC, MGMT, MIS, MGT, SCM UNDERGRAD MAJORS

4394010 A2 MTWRF 12:10-1:20
MEETS: JUNE 17-JULY 12
Note: SECTION A2 RESTRICTED TO MAJORS OTHER THAN ACCT, AG B, AST, BUS G, BUS U, BUSAD, BUSAC, ENTPS, I TEC, MGMT, MIS, P BUS, SCIS, SCM

INDEPENDENT STUDY MIS 490 1-3 CREDITS
Prereq: MIS 301, SENIOR CLASSIFICATION, PERMISSION OF INSTRUCTOR
Note: Department permission required.

SPECIAL TOPICS MIS 590 1-3 CREDITS
Prereq: PERMISSION OF INSTRUCTOR

CREATIVE COMPONENT MIS 599 3 CREDITS
Prereq: ENROLLMENT IN PH D PROGRAM

RESEARCH PRACTICUM I MIS 650 1 CREDIT
Prereq: ENROLLMENT IN PH D PROGRAM

RESEARCH PRACTICUM II MIS 651 1 CREDIT
Prereq: ENROLLMENT IN PH D PROGRAM

RESEARCH MIS 699 3-6 CREDITS
Prereq: GRADUATE CLASSIFICATION, PERMISSION OF MAJOR PROFESSOR

MARKETING

PRIN OF MARKETING MKT 340 3 CREDITS
Prereq: CREDIT OR ENROLLMENT IN ECON 103
Note: COURSE NOT OPEN TO F BUS MAJORS AND GRADUATE STUDENTS
5352005 A1 MTWRF 9:50-11:50
MEETS: MAY 20-JUNE 14
Note: SEC A1 RESTRICTED TO ACCT, AG B, AG SO, AN S, AST, BUS S, BUS U, BUSAC, ENTPS, FIN, FS A, HORT, I BUS, I TEC, MGMT, MIS, MGT, P S A, SCM UNDERGRAD MAJORS

5352010 A2 MTWRF 9:50-11:50
MEETS: MAY 20-JUNE 14
Note: SEC A2 FOR MAJORS OTHER THAN ACCT, AG B, AG SO, AN S, AST, BUS S, BUS U, BUSAD, BUSAC, ENTPS, FIN, FS A, HORT, I BUS, I TEC, MGMT, MIS, MGT, P S A, SCM

STRATEG MkTNG MKT 444 3 CREDITS
Prereq: MKT 444, MKT 447
Note: COURSE RESTRICTED TO MKT MAJORS ONLY
5358005 A MTWRF 9:50-11:20
MEETS: MAY 20-JUNE 14

INDEPENDENT STUDY MKT 490 1-3 CREDITS
Prereq: MKT 340, SENIOR CLASSIFICATION, PERMISSION OF INSTRUCTOR
Note: COURSE NOT OPEN TO GRADUATE STUDENTS

SPECIAL TOPICS MKT 590 1-3 CREDITS
Prereq: PERMISSION OF INSTRUCTOR

MATERIALS SCIENCE & ENGINEERING

5135005 A MTWRF 9:50-10:50
MEETS: JUNE 17-AUG 9
5135010 B MTWRF 11:00-12:00
MEETS: MAY 20-JULY 12

Note: CREDITS EARNED IN MATH 140 CANNOT BE APPLIED TOWARD GENERAL EDUCATION REQUIREMENTS.
STUDENTS IN THE LAS COLLEGE MAY NOT APPLY MATH 143 TOWARD GRADUATION. STUDENTS IN THE COLLEGE OF LIBERAL ARTS AND SCIENCES MAY NOT APPLY MATH 143 TOWARD THE GENERAL EDUCATION REQUIREMENTS FOR GENERAL EDUCATION REQUIREMENTS.

Note: CREDITS EARNED IN MATH 140 CANNOT BE APPLIED TOWARD GENERAL EDUCATION REQUIREMENTS.

COLLEGE ALGEBRA MATH 140 3 CREDITS
Prereq: SATISFACTORY PERFORMANCE ON PLACEMENT ASSESSMENT, 2 YEARS OF HIGH SCHOOL ALGEBRA, 1 YEAR OF HIGH SCHOOL GEOMETRY OR MATH 30
Note: CREDITS EARNED IN MATH 140 CANNOT BE APPLIED TOWARD GRADUATION BY MATH MAJORS. STUDENTS IN THE LAS COLLEGE MAY NOT APPLY MATH 143 TOWARD GENERAL EDUCATION REQUIREMENTS.
Note: CREDITS EARNED IN MATH 140 CANNOT BE APPLIED TOWARD GRADUATION. STUDENTS IN THE LAS COLLEGE MAY NOT APPLY MATH 143 TOWARD GENERAL EDUCATION REQUIREMENTS.

APPFD TRIGONOMETRY MATH 145 3 CREDITS
Prereq: SATISFACTORY PERFORMANCE ON PLACEMENT ASSESSMENT, 2 YEARS OF HIGH SCHOOL ALGEBRA, 1 YEAR OF HIGH SCHOOL GEOMETRY OR MATH 30
Note: CREDIT FOR EITHER MATH 143 OR MATH 145, BUT NOT BOTH, MAY BE APPLIED TOWARD GRADUATION. STUDENTS IN THE LAS COLLEGE MAY NOT APPLY MATH 143 TOWARD GENERAL EDUCATION REQUIREMENTS.

DISC MATH BUS&SOC MATH 150 3 CREDITS
Prereq: SATISFACTORY PERFORMANCE ON PLACEMENT ASSESSMENT, 2 YEARS OF HIGH SCHOOL ALGEBRA, 1 YEAR OF HIGH SCHOOL GEOMETRY
Note: CREDIT FOR EITHER MATH 104 OR MATH 150, BUT NOT BOTH, MAY BE APPLIED TOWARD GRADUATION. CREDITS EARNED IN MATH 150 CANNOT BE APPLIED TOWARD GRADUATION BY MATH MAJORS.
5135005 A MTWRF 9:50-10:50
MEETS: JUNE 17-AUG 9
5135010 B MTWRF 11:00-12:00
MEETS: MAY 20-JULY 12
MATHEMATICS (CONTINUED)

BUS & SOC SCI CALC  MATH 151  3 CREDITS
Prereq: SATISFACTORY PERFORMANCE ON PLACEMENT
Assessment, 2 YEARS OF HIGH SCHOOL ALGEBRA, 1 YEAR OF
HIGH SCHOOL GEOMETRY, OR MATH 140
Note: ONLY ONE OF THE FOLLOWING COURSES/SEQUENCES OF
COURSES MAY BE APPLIED TOWARD GRADUATION: MATH 151,
MATH 160, MATH 165-166, MATH 181-182. CREDITS EARNED
IN MATH 151 CANNOT BE APPLIED TOWARD GRADUATION BY
MATH MAJORS. 6 CREDITS OF MATH 151, 181, 185 (OR 166)
MAY BE APPLIED TOWARD GRADUATION IF NO OTHER CALCULUS
HAS BEEN TAKEN.

5136005  A MTWRF 9:50-10:50
5136010  B MTWRF 12:10-1:10
MEETS: MAY 20-JULY 12

SURVEY OF CALCULUS  MATH 160  4 CREDITS
Prereq: SATISFACTORY PERFORMANCE ON PLACEMENT
Assessment, 2 YEARS OF HIGH SCHOOL ALGEBRA, 1 YEAR OF
GEOMETRY, 1 SEMESTER OF TRIGONOMETRY, OR C- OR
BETTER IN MATH 143
Note: ONLY ONE OF THE FOLLOWING COURSES/SEQUENCES OF
COURSES MAY BE APPLIED TOWARD GRADUATION: MATH 151,
MATH 160, MATH 165-166, MATH 181-182. CREDITS EARNED
IN MATH 160 CANNOT BE APPLIED TOWARD GRADUATION
BY MATH MAJORS.

5137005  A MTWRF 11:00-12:10
5137010  B MTWRF 11:00-12:10
MEETS: JUNE 17-AUG 9

CALCULUS I  MATH 165  4 CREDITS
Prereq: SATISFACTORY PERFORMANCE ON PLACEMENT
Assessment, 2 YEARS OF HIGH SCHOOL ALGEBRA, 1 YEAR OF
GEOMETRY, 1 SEMESTER OF TRIGONOMETRY, OR C- OR
BETTER IN MATH 143
Note: ONLY ONE OF THE FOLLOWING COURSES/SEQUENCES OF
COURSES MAY BE APPLIED TOWARD GRADUATION: MATH 151,
MATH 160, MATH 165-166, MATH 181-182. 6 CREDITS OF
MATH 151, MATH 181, MATH 185 (OR 166) MAY BE APPLIED
TOWARD GRADUATION IF NO OTHER CALCULUS HAS BEEN TAKEN.

5138005  A MTWRF 11:00-12:20
5138010  B MTWRF 8:40-10:00
5138015  C MTWRF 8:40-10:00
MEETS: MAY 20-JULY 12

CALCULUS II  MATH 166  4 CREDITS
Prereq: GRADE OF C- OR BETTER IN MATH 165 OR HIGH
Math Placement Score
Note: ONLY ONE OF THE FOLLOWING COURSES/SEQUENCES OF
COURSES MAY BE APPLIED TOWARD GRADUATION: MATH 151,
MATH 160, MATH 165-166, MATH 181-182. 6 CREDITS OF
MATH 151, MATH 181, MATH 185 (OR 166) MAY BE APPLIED
TOWARD GRADUATION IF NO OTHER CALCULUS HAS BEEN TAKEN.

5139005  A MTWRF 11:00-12:20
5139010  B MTWRF 11:00-12:20
5139020  C MTWRF 11:00-12:20
MEETS: MAY 20-JULY 12

MATRCE4&LINEAR ALGB  MATH 207  3 CREDITS
Prereq: 2 SEMESTERS OF CALCULUS
Note: CREDIT FOR MATH 207 OR MATH 317, BUT NOT BOTH,
MAY BE APPLIED TOWARD GRADUATION

5161005  A MTWRF 8:40-9:40
MEETS: MAY 20-JULY 12

CALCULUS III  MATH 265  4 CREDITS
Prereq: GRADE OF C- OR BETTER IN MATH 166 OR MATH
166H
Note: CREDIT FOR EITHER MATH 267 OR THE MATH 266,268
PAIR OF COURSES, BUT NOT BOTH, MAY BE APPLIED TOWARD
GRADUATION. CREDIT FOR ONLY ONE OF THE FOLLOWING
COURSES MAY BE APPLIED TOWARD GRADUATION: MATH 266,
MATH 268, MATH 269, MATH 269X.

5152005  A MTWRF 12:10-1:10
5152010  B MTWRF 12:10-1:10
5152015  C MTWRF 12:10-1:10
MEETS: JUNE 17-JULY 26

DIFF EQ & TRANSFMS  MATH 267  4 CREDITS
Prereq: GRADE OF C- OR BETTER IN MATH 166 OR MATH
166H
Note: CREDIT FOR EITHER MATH 267 OR THE MATH 266,268
PAIR OF COURSES, BUT NOT BOTH, MAY BE APPLIED TOWARD
GRADUATION. CREDIT FOR ONLY ONE OF THE FOLLOWING
COURSES MAY BE APPLIED TOWARD GRADUATION: MATH 267,
MATH 266, MATH 269, MATH 269X.

5153005  A MTWRF 12:10-1:10
5153010  B MTWRF 12:10-1:10
5153015  C MTWRF 12:10-1:10
MEETS: JUNE 17-AUG 9

MECHANICAL ENGINEERING

ENGR THERMODYNAMS I  M E 231  3 CREDITS
Prereq: MATH 166, CHEM 167, PHYS 221
Note: CREDIT FOR EITHER M E 231 OR M E 330, BUT NOT
BOTH, MAY APPLY TOWARD GRADUATION

4877005  A MTWRF 12:10-1:10
MEETS: MAY 20-JUNE 28
Note: SECTION A RESTRICTED TO ENGINEERING COLLEGE
FRESHMEN, SOPHOMORES, JUNIORS AND SENIORS ONLY
MANUFACTURING ENGR    M  E   324   3 CREDITS
Prereq: M E 270, E M 324, MAT E 273, M E 324L.
Note: COURSE RESTRICTED TO M E, A E MAJORS ONLY
6277005   1 MWF 7:30-8:50
MEETS: JULY 1-AUG 9

MFG ENGINEERING LAB    M  E   324L   1 CREDIT
Prereq: M E 270, E M 324RT.
Note: COURSE RESTRICTED TO M E, A E MAJORS ONLY
4270005   1 TR 1:10-3:45
MEETS: MAY 20-JUNE 28

MECH COMPONENT DSGN    M  E   325   3 CREDITS
Prereq: M E 170, M E 324RT, STAT 305.
6287005   1 MWF 7:30-9:50
MEETS: MAY 20-JUNE 28
Note: SECTION A RESTRICTED TO A E, M E MAJORS ONLY

ENGR THERMODYNMS II    M  E   332   3 CREDITS
Prereq: M E 231.
Note: COURSE RESTRICTED TO M E, A E MAJORS ONLY
4878005   1 MWF 12:10-1:30
MEETS: JULY 1-AUG 9

FLUID FLOW    M  E   335   4 CREDITS
Prereq: E M 345, MATH 266 OR MATH 267, CREDIT OR ENROLLMENT IN M E 332.
5703005   1 MTWF 11:00-12:20
TR 2:30-4:15
MEETS: MAY 20-JUNE 28

5703010   2 MTWF 11:00-12:20
WF 2:30-4:15
MEETS: MAY 20-JUNE 28

5703020   3 MTWF 11:00-12:20
TR 8:00-10:25
MEETS: MAY 20-JUNE 28

ENGINEERNG DYNAMICS    M  E   445   3 CREDITS
2025005   1 MTWF 12:10-1:30
MEETS: MAY 20-JULY 12

ENGINEERNG MEASUREMTS    M  E   370   3 CREDITS
Prereq: E E 442RT, STAT 305.
4881005   1 MWF 9:00-10:50
WF 2:30-5:30
MEETS: MAY 20-JUNE 28

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

SYST DYNAM & CONTROL    M  E   421   4 CREDITS
Prereq: E M 345, MATH 266, E E 442RT.
Note: COURSE RESTRICTED TO M E MAJORS ONLY
6310005   1 MTWF 12:10-1:30
M W 2:30-4:15
6310101   2 MTWF 12:10-1:30
TR 2:30-4:15
MEETS: MAY 20-JUNE 28

HEAT TRANSFER    M  E   436   4 CREDITS
Prereq: M E 335.
Note: COURSE RESTRICTED TO M E MAJORS ONLY
5711010   1 MTWF 9:50-11:10
TR 1:20-3:45
MEETS: JULY 1-AUG 9

5711015   2 MTWF 9:50-11:10
MW 12:00-2:25
MEETS: JULY 1-AUG 9

INDEP STUDY HONORS    M  E   490H   1-6 CREDITS
Prereq: SR CLASSIFICATION, MEMBERSHIP IN HONORS PROG
Note: COURSE RESTRICTED TO HONORS PROGRAM STUDENTS ONLY
****** SEE DEPT FOR REFERENCE NUMBERS

INDST YDY THERMODYN    M  E   490J   1-6 CREDITS
Prereq: SENIOR CLASSIFICATION
****** SEE DEPT FOR REFERENCE NUMBERS

INDEP STU NUCL ENGR    M  E   490M   1-6 CREDITS
Prereq: SENIOR CLASSIFICATION
****** SEE DEPT FOR REFERENCE NUMBERS

INDEP STU DSNGN&OPTMIZ    M  E   490O   1-6 CREDITS
Prereq: SENIOR CLASSIFICATION
****** SEE DEPT FOR REFERENCE NUMBERS

INDEP STU MATRLS PROC    M  E   490Q   1-6 CREDITS
Prereq: SENIOR CLASSIFICATION
****** SEE DEPT FOR REFERENCE NUMBERS

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

Cooperative Engineering    MTEOR 298   R CREDIT
Prereq: PERMISSION OF THE DEPT COOPERATIVE ED.
8151005   1 ARRANGED
MEETS: MAY 20-AUG 9

Cooperative Education    MTEOR 399   R CREDIT
Prereq: PERMISSION OF THE DEPT COOPERATIVE ED.
8424005   1 ARRANGED
MEETS: MAY 20-AUG 9

Cooperative Education    MTEOR 490   R CREDIT
Prereq: PERMISSION OF THE DEPT COOPERATIVE ED.
8425005   1 ARRANGED
MEETS: MAY 20-AUG 9
Meteorology (Continued)

IND STUDY PHYSICAL MTEOR 490C 1-3 CREDITS
PreReq: 6 CREDITS IN MTEOR, INSTRUCTOR PERMISSION
Note: NO MORE THAN 9 CREDITS IN MTEOR 490 MAY BE APPLIED TOWARD GRADUATION
8426005 1 ARRANGED
MEETS: MAY 20-AUG 9

IND STUDY PHYSICAL MTEOR 490D 1-3 CREDITS
PreReq: 6 CREDITS IN MTEOR, INSTRUCTOR PERMISSION
Note: NO MORE THAN 9 CREDITS IN MTEOR 490 MAY BE APPLIED TOWARD GRADUATION
1010005 1 ARRANGED
MEETS: MAY 20-AUG 9

IND STUDY PHYSICAL MTEOR 490E 1-3 CREDITS
PreReq: 6 CREDITS IN MTEOR, INSTRUCTOR PERMISSION
Note: NO MORE THAN 9 CREDITS IN MTEOR 490 MAY BE APPLIED TOWARD GRADUATION
8668005 1 ARRANGED
MEETS: MAY 20-AUG 9

SPL TOP BOUND-LAYER MTEOR 590A 1-3 CREDITS
PreReq: PERMISSION OF INSTRUCTOR
8427005 1 ARRANGED
MEETS: MAY 20-AUG 9

SPL TOPICS TROPICAL MTEOR 590B 1-3 CREDITS
PreReq: PERMISSION OF INSTRUCTOR
8429005 1 ARRANGED
MEETS: MAY 20-AUG 9

SPL TOPICS MESOSCALE MTEOR 590C 1-3 CREDITS
PreReq: PERMISSION OF INSTRUCTOR
8430005 1 ARRANGED
MEETS: MAY 20-AUG 9

SPL TOP GLOBAL SYST MTEOR 590D 1-3 CREDITS
PreReq: PERMISSION OF INSTRUCTOR
8431005 1 ARRANGED
MEETS: MAY 20-AUG 9

SPL TOP CLIM MODEL MTEOR 590E 1-3 CREDITS
PreReq: PERMISSION OF INSTRUCTOR
Satisfactory-Fail Only.
8432005 1 ARRANGED
MEETS: MAY 20-AUG 9

SPL TOP NUMERI PRED MTEOR 590F 1-3 CREDITS
PreReq: PERMISSION OF INSTRUCTOR
8433005 1 ARRANGED
MEETS: MAY 20-AUG 9

SPL TOP SATEL OBSRV MTEOR 590G 1-3 CREDITS
PreReq: PERMISSION OF INSTRUCTOR
8434005 1 ARRANGED
MEETS: MAY 20-AUG 9

SPL TOP STAT METHODS MTEOR 590H 1-3 CREDITS
PreReq: PERMISSION OF INSTRUCTOR
8435005 1 ARRANGED
MEETS: MAY 20-AUG 9

SPL TOP FIELD OBSRV MTEOR 590I 1-3 CREDITS
PreReq: PERMISSION OF INSTRUCTOR
8437005 1 ARRANGED
MEETS: MAY 20-AUG 9

SPL TOP LOW FREQ MD MTEOR 590J 1-3 CREDITS
PreReq: PERMISSION OF INSTRUCTOR
1230005 1 ARRANGED
MEETS: MAY 20-AUG 9

SPL TOPC CLOUD PHYS MTEOR 590K 1-3 CREDITS
PreReq: PERMISSION OF INSTRUCTOR
3901005 1 ARRANGED
MEETS: MAY 20-AUG 9

SPL TOP ATMOS RADIA MTEOR 590L 1-3 CREDITS
PreReq: PERMISSION OF INSTRUCTOR
3904005 1 ARRANGED
MEETS: MAY 20-AUG 9

SPL TOPCS HYDROLOGY MTEOR 590M 1-3 CREDITS
PreReq: PERMISSION OF INSTRUCTOR
8669005 1 ARRANGED
MEETS: MAY 20-AUG 9

Meteorology (Continued)

SP TOP GEOPH FLU DY MTEOR 590N 1-3 CREDITS
PreReq: PERMISSION OF INSTRUCTOR
9186005 1 ARRANGED
MEETS: MAY 20-AUG 9

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

Microbiology

Biol Microorganisms MICRO 302 3 CREDITS
PreReq: BIOL 211, CREDIT OR ENROLLMT IN BIOL 212;
1426005 1 ARRANGED
MEETS: MAY 20-JULY 12
Note: Course delivery is WWW

Indep Study: Lab Research MICRO 490A VAR. CREDITS
PreReq: A MINIMUM OF 6 CREDITS OF 300-LEVEL OR ABOVE COURSEWORK IN MICROBIOLOGY, PERMISSION OF INSTRUCTOR
Note: NO MORE THAN 6 CREDITS OF MICRO 490 MAY BE APPLIED TOWARD THE TOTAL OF 12 CREDITS REQUIRED FOR GRADUATION
******** SEE DEPT FOR REFERENCE NUMBERS

Indep Study: Unit Review MICRO 490B VAR. CREDITS
PreReq: A MINIMUM OF 6 CREDITS OF 300-LEVEL OR ABOVE COURSEWORK IN MICROBIOLOGY, PERMISSION OF INSTRUCTOR
Note: NO MORE THAN 6 CREDITS OF MICRO 490 MAY BE APPLIED TOWARD THE TOTAL OF 12 CREDITS REQUIRED FOR GRADUATION
******** SEE DEPT FOR REFERENCE NUMBERS

Honors Indep Study MICRO 490H 1-5 CREDITS
PreReq: A MINIMUM OF 6 CR OF 300-LEVEL OR ABOVE COURSEWORK IN MICRO, PERMISSION IN UNIV HONORS PROGRAM
Note: NO MORE THAN 6 CREDITS OF MICRO 490 MAY BE APPLIED TOWARD THE TOTAL OF 12 CREDITS REQUIRED FOR GRADUATION. RESTRICTED TO HONORS PROGRAM STUDENTS ONLY.
Instructor permission required 1st week.
******** SEE DEPT FOR REFERENCE NUMBERS

Internship MICRO 495 1-2 CREDITS
PreReq: AT LEAST 6 CREDITS OF 300-LEVEL OR ABOVE COURSEWORK IN MICRO, APPROVAL OF ACADEMIC ADVISOR
Note: Instructor permission required 1st week.
9679005 1 ARRANGED
MEETS: MAY 20-AUG 9

Special Topics MICRO 590 1-5 CREDITS
PreReq: INSTRUCTOR PERMISSION
Note: Instructor permission required 1st week.
******** SEE DEPT FOR REFERENCE NUMBERS

Current Topic Microbio MICRO 690A 1-3 CREDITS
PreReq: PERMISSION OF INSTRUCTOR
Note: Instructor permission required 1st week.
******** SEE DEPT FOR REFERENCE NUMBERS

Grad Research Rotat MICRO 697 VAR. CREDITS
7161005 1 ARRANGED
MEETS: MAY 20-AUG 9

Research MICRO 699 VAR. CREDITS
Note: Instructor permission required 1st week.
******** SEE DEPT FOR REFERENCE NUMBERS

Military Science

Ind study: Basic Mil M S 290 1-3 CREDITS
PreReq: PERMISSION OF THE M S DEPT CHAIR
8153005 1 ARRANGED
MEETS: MAY 20-AUG 9

Ind study: Adv Mil St M S 490 1 CREDIT
PreReq: M S 301, M S 302, M S 401, M S 402,
PERMISSION OF THE MILITARY SCIENCE DEPARTMENT CHAIR
9598005 1 ARRANGED
MEETS: MAY 20-AUG 9
MUSIC

INTRO MUSIC LISTENI MUSIC 102 3 CREDITS
Note: Meets international perspectives reqmt
MEETS: MAY 20-JULY 12
APPLIED MUSIC VOCAL MUSIC 118A 1-2 CREDITS
Prereq: AUDITION, PERMISSION OF INSTRUCTOR
Note: CREDIT IN MUSIC 118A WILL NOT SATISFY APPLIED MUSIC REQUIREMENTS FOR MUSIC MAJORS
APPLIED MUSIC FEE $150.00-$190.00
** SEE DEPT FOR REFERENCE NUMBERS
APPLIED MUSIC PIANO MUSIC 118B 1-2 CREDITS
Prereq: AUDITION, PERMISSION OF INSTRUCTOR
Note: CREDIT IN MUSIC 118B WILL NOT SATISFY APPLIED MUSIC REQUIREMENTS FOR MUSIC MAJORS
APPLIED MUSIC FEE $150.00-$190.00
** SEE DEPT FOR REFERENCE NUMBERS
APPLIED MUSIC STRINGS MUSIC 118D 1-2 CREDITS
Prereq: AUDITION, INSTR PERMSN, MUSIC MAJORS ONLY
APPLIED MUSIC FEE $150.00-$190.00
APPLIED MUSIC BRASS MUSIC 118G 1-2 CREDITS
Prereq: AUDITION, INSTR PERMSN, MUSIC MAJORS ONLY
APPLIED MUSIC FEE $150.00-$190.00
APPLIED MUSIC WOODWIND MUSIC 118F 1-2 CREDITS
Prereq: AUDITION, PERMISSION OF INSTRUCTOR
APPLIED MUSIC FEE $150.00-$190.00
** SEE DEPT FOR REFERENCE NUMBERS
APPLIED MUSIC CARILLON MUSIC 319B 1-3 CREDITS
Prereq: AUDITION, INSTR PERMSN, MUSIC MAJORS ONLY
Note: COURSE ONLY OFFERED FOR 1-2 CREDITS SUMMER 2019
Applied Music fee $150.00-$190.00
** SEE DEPT FOR REFERENCE NUMBERS
APPLIED MUSIC VOCAL MUSIC 319A 1-3 CREDITS
Prereq: AUDITION, PERMISSION OF INSTRUCTOR
APPLIED MUSIC FEE $150.00-$190.00
** SEE DEPT FOR REFERENCE NUMBERS
APPLIED MUSIC BRASS MUSIC 318G 1-3 CREDITS
Prereq: AUDITION, INSTR PERMSN, MUSIC MAJORS ONLY
APPLIED MUSIC FEE $150.00-$190.00
** SEE DEPT FOR REFERENCE NUMBERS
APPLIED MUSIC WOODWIND MUSIC 318F 1-2 CREDITS
Prereq: AUDITION, INSTR PERMSN, MUSIC MAJORS ONLY
APPLIED MUSIC FEE $150.00-$190.00
** SEE DEPT FOR REFERENCE NUMBERS
APPLIED MUSIC PIANO MUSIC 318B 1-2 CREDITS
Prereq: AUDITION, INSTR PERMSN, MUSIC MAJORS ONLY
APPLIED MUSIC FEE $150.00-$190.00
** SEE DEPT FOR REFERENCE NUMBERS
SPF MUSIC RESEARCH MUSIC 697 1-6 CREDITS
Note: INSTRUCTOR PERMISSION REQUIRED 1ST WEEK
** SEE DEPT FOR REFERENCE NUMBERS
SPF MUSIC REQUIREMENTS MUSIC 701 1-4 CREDITS
Note: INSTRUCTOR PERMISSION REQUIRED 1ST WEEK
** SEE DEPT FOR REFERENCE NUMBERS
SPF MUSIC REQUIREMENTS MUSIC 702 1-2 CREDITS
Note: INSTRUCTOR PERMISSION REQUIRED 1ST WEEK
** SEE DEPT FOR REFERENCE NUMBERS
SPF MUSIC REQUIREMENTS MUSIC 703 1-2 CREDITS
Note: INSTRUCTOR PERMISSION REQUIRED 1ST WEEK
** SEE DEPT FOR REFERENCE NUMBERS
MUSIC (CONTINUED)

APPL MUSIC CARILLON MUSIC 319E 1-3 CREDITS
Prereq: AUDITION, INSTRUCTOR PERMSN, MUSIC MAJOR
Note: COURSE ONLY OFFERED FOR 1-2 CREDITS SUMMER 2019
Applied Music fee $150.00-$190.00
******** SEE DEPT FOR REFERENCE NUMBERS
APPL MUSIC WOODWIND MUSIC 319F 1-3 CREDITS
Prereq: AUDITION, INSTRUCTOR PERMSN, MUSIC MAJOR
Note: COURSE ONLY OFFERED FOR 1-2 CREDITS SUMMER 2019
Applied Music fee $150.00-$190.00
******** SEE DEPT FOR REFERENCE NUMBERS
APPLIED MUSIC BRASS MUSIC 319G 1-3 CREDITS
Prereq: AUDITION, INSTRUCTOR PERMSN, MUSIC MAJOR
Note: COURSE ONLY OFFERED FOR 1-2 CREDITS SUMMER 2019
Applied Music fee $150.00-$190.00
******** SEE DEPT FOR REFERENCE NUMBERS
ADV ENSEMBLE PIANO MUSIC 321B 1 CREDIT
Prereq: ADVANCED PROFICIENCY AND PERFORMING
ABILITY, PERMISSION OF INSTRUCTOR
******** SEE DEPT FOR REFERENCE NUMBERS
ADV ENSEMBLE WOODWIND MUSIC 321D 1 CREDIT
Prereq: ADVANCED PROFICIENCY AND PERFORMING
ABILITY, PERMISSION OF INSTRUCTOR
******** SEE DEPT FOR REFERENCE NUMBERS
ADV ENSEMBLE MIXED MUSIC 321E 1 CREDIT
Prereq: ADVANCED PROFICIENCY AND PERFORMING
ABILITY, PERMISSION OF INSTRUCTOR
******** SEE DEPT FOR REFERENCE NUMBERS
LIT & PEDAGOGY VOICE MUSIC 415A 1-4 CREDITS
Prereq: PERMISSION OF INSTRUCTOR
******** SEE DEPT FOR REFERENCE NUMBERS
LIT & PEDAGOGY PIANO MUSIC 415B 1-4 CREDITS
Prereq: PERMISSION OF INSTRUCTOR
******** SEE DEPT FOR REFERENCE NUMBERS
LIT & PEDAG STRINGS MUSIC 415D 1-4 CREDITS
Prereq: PERMISSION OF INSTRUCTOR
******** SEE DEPT FOR REFERENCE NUMBERS
LIT & PEDAG WOODWIND MUSIC 415F 1-4 CREDITS
Prereq: PERMISSION OF INSTRUCTOR
******** SEE DEPT FOR REFERENCE NUMBERS
LIT & PEDAG JAZZ PERF MUSIC 415J 1-4 CREDITS
******** SEE DEPT FOR REFERENCE NUMBERS
APPLIED MUSIC VOICE MUSIC 419A 1-3 CREDITS
Prereq: AUDITION, INSTRUCTOR PERMSN, MUSIC MAJORS ONLY
Note: COURSE ONLY OFFERED FOR 1-2 CREDITS SUMMER 2019
Applied Music fee $150.00-$190.00
******** SEE DEPT FOR REFERENCE NUMBERS
APPLIED MUSIC PIANO MUSIC 419B 1-3 CREDITS
Prereq: AUDITION, INSTRUCTOR PERMSN, MUSIC MAJORS ONLY
Note: COURSE ONLY OFFERED FOR 1-2 CREDITS SUMMER 2019
Applied Music fee $150.00-$190.00
******** SEE DEPT FOR REFERENCE NUMBERS
APPLIED MUSIC STRINGS MUSIC 419D 1-3 CREDITS
Prereq: AUDITION, INSTRUCTOR PERMSN, MUSIC MAJORS ONLY
Note: COURSE ONLY OFFERED FOR 1-2 CREDITS SUMMER 2019
Applied Music fee $150.00-$190.00
******** SEE DEPT FOR REFERENCE NUMBERS
APPL MUSIC CARILLON MUSIC 419E 1-3 CREDITS
Prereq: AUDITION, INSTRUCTOR PERMSN, MUSIC MAJORS ONLY
Note: COURSE ONLY OFFERED FOR 1-2 CREDITS SUMMER 2019
******** SEE DEPT FOR REFERENCE NUMBERS
APPL MUSIC WOODWIND MUSIC 419F 1-3 CREDITS
Prereq: AUDITION, INSTRUCTOR PERMSN, MUSIC MAJORS ONLY
Note: COURSE ONLY OFFERED FOR 1-2 CREDITS SUMMER 2019
Applied Music fee $150.00-$190.00
******** SEE DEPT FOR REFERENCE NUMBERS
APPLIED MUSIC BRASS MUSIC 419G 1-3 CREDITS
Prereq: AUDITION, INSTRUCTOR PERMSN, MUSIC MAJOR
Note: COURSE ONLY OFFERED FOR 1-2 CREDITS SUMMER 2019
******** SEE DEPT FOR REFERENCE NUMBERS
INDEP STU MUSIC ED MUSIC 490A VAR. CREDITS
Prereq: INSTRUCTOR PERMISSION, 12 CREDITS IN MUSIC, APPROVAL OF DEPARTMENT CHAIR
Note: Instructor permission required 1st week.
******** SEE DEPT FOR REFERENCE NUMBERS
INDEP STUDY THEORY MUSIC 490B VAR. CREDITS
Prereq: INSTRUCTOR PERMISSION, 12 CREDITS IN MUSIC, APPROVAL OF DEPARTMENT CHAIR
Note: Instructor permission required 1st week.
******** SEE DEPT FOR REFERENCE NUMBERS
IND STUDY HISTORY MUSIC 490C VAR. CREDITS
Prereq: INSTRUCTOR PERMISSION, 12 CREDITS IN MUSIC, APPROVAL OF DEPARTMENT CHAIR
Note: Instructor permission required 1st week.
******** SEE DEPT FOR REFERENCE NUMBERS
IND STU ELECTR NC M MUSIC 4901 VAR. CREDITS
Prereq: INSTRUCTOR PERMISSION, 12 CREDITS IN MUSIC, APPROVAL OF DEPARTMENT CHAIR
Note: Instructor permission required 1st week.
******** SEE DEPT FOR REFERENCE NUMBERS
SPECIAL TOPICS MUSIC 590B VAR. CREDITS
Prereq: PERMISSION OF INSTRUCTOR, APPROVAL OF DEPARTMENT CHAIR
Note: Instructor permission required 1st week.
******** SEE DEPT FOR REFERENCE NUMBERS
SPECIAL TOPICS MUSIC 590A VAR. CREDITS
Prereq: PERMISSION OF INSTRUCTOR, APPROVAL OF DEPARTMENT CHAIR
Note: Instructor permission required 1st week.
******** SEE DEPT FOR REFERENCE NUMBERS
SPECIAL TOPICS MUSIC 590E VAR. CREDITS
Prereq: PERMISSION OF INSTRUCTOR, APPROVAL OF DEPARTMENT CHAIR
Note: Instructor permission required 1st week.
******** SEE DEPT FOR REFERENCE NUMBERS
SPECIAL TOPICS MUSIC 590D VAR. CREDITS
Prereq: PERMISSION OF INSTRUCTOR, APPROVAL OF DEPARTMENT CHAIR
Note: Instructor permission required 1st week.
******** SEE DEPT FOR REFERENCE NUMBERS
SPECIAL TOPICS MUSIC 590B VAR. CREDITS
Prereq: PERMISSION OF INSTRUCTOR, APPROVAL OF DEPARTMENT CHAIR
Note: Instructor permission required 1st week.
******** SEE DEPT FOR REFERENCE NUMBERS
SPECIAL TOPICS MUSIC 590A VAR. CREDITS
Prereq: PERMISSION OF INSTRUCTOR, APPROVAL OF DEPARTMENT CHAIR
Note: Instructor permission required 1st week.
******** SEE DEPT FOR REFERENCE NUMBERS
FIELD ECOLOG MONTANA NREM 311X 4 CREDITS
Prereq: BIOL 211, BIOL 211L, BIOL 212, BIOL 212L
0202005 1 ARRANGED
MEETS: JUNE 8-JULY 7
Note: MEETS AT MONTANA FIELD STATION
Instructor permission required.
NATURAL RESOURCES ECOL AND MGMT (CONTINUED)

IND STY ANIMAL ECO NREM 490A 1-4 CREDITS
Prereq: JR OR SR CLASSIFICATION, INSTRUCTOR PERMISSION
****** SEE DEPT FOR REFERENCE NUMBERS

INDEP STDY FORESTRY NREM 490B 1-4 CREDITS
Prereq: JR OR SR CLASSIFICATION, INSTRUCTOR PERMISSION
****** SEE DEPT FOR REFERENCE NUMBERS

INDEP STDY HONORS NREM 490H 1-4 CREDITS
Prereq: JR OR SR CLASSIFICATION, INSTRUCTOR PERMISSION MEMBERSHIP IN UNIVERSITY HONORS PROGRAM
****** SEE DEPT FOR REFERENCE NUMBERS

UG INDEP STDY IA LL NREM 490I 1-4 CREDITS
Prereq: JR OR SR CLASSIFICATION AND PERMISSION OF INSTRUCTOR
Note: Permission of Lakeside Lab Office required
http://www.continuetolearn.uiowa.edu/lakesidelab
8987005 1 ARRANGED
MEETS: MAY 20-JUNE 14
Note: Tuition Category: Iowa Lakeside Lab
8987010 2 ARRANGED
MEETS: JUNE 17-JULY 12
Note: Tuition Category: Iowa Lakeside Lab

DOMESTIC TRAVEL NREM 496B 1-5 CREDITS
Prereq: PERMISSION OF INSTRUCTOR
2597005 1 ARRANGED
MEETS: JULY 6-28
Note: Section 1 offered for 3 credits. Topic: WILDLIFE POPULATION METHODS. MEETS IN MONTANA. ROUND TRIP TRANSPORTATION FROM AMES TO CAMP. Instructor permission required.
2597010 2 ARRANGED
MEETS: JUNE 14-28
Note: Section 2 offered for 2 credits. Topic: FIELD SPECIES MANAGEMENT. MEETS IN MONTANA. ROUND TRIP TRANSPORTATION FROM AMES TO CAMP. Instructor permission required.
2597025 5 ARRANGED
MEETS: JULY 27-AUG 11
Note: Section 3 offered for 2 credits. Topic: ENDANGERED SPECIES MANAGEMENT. MEETS AT FRENCH CONSERVATION EDUCATION CAMP IN MONTANA. ROUND TRIP TRANSPORTATION FROM AMES TO CAMP. Instructor permission required.

SPL TOPICS ANIMAL ECO NREM 590A 1-4 CREDITS
****** SEE DEPT FOR REFERENCE NUMBERS

SPL TOPICS FORESTRY NREM 590B 1-4 CREDITS
Prereq: PERMISSION OF INSTRUCTOR
****** SEE DEPT FOR REFERENCE NUMBERS

DOMESTIC TRAVEL NREM 596B 1-5 CREDITS
Prereq: PERMISSION OF INSTRUCTOR
2606005 1 ARRANGED
MEETS: JULY 6-28
Note: Topic: WILDLIFE POPULATION METHODS. MEETS IN MONTANA. ROUND TRIP TRANSPORTATION FROM AMES TO CAMP. Instructor permission required. Materials, field trips $/or travel fee $300.00-$1,200.00

TEACHING PRACTICUM NREM 598 1 CREDIT
Prereq: GRAD CLASSIFICATION AS M.S. CANDIDATE IN AN NREM MAJOR, PERMISSION OF INSTRUCTOR Satisfactory-Fail Only
****** SEE DEPT FOR REFERENCE NUMBERS

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

TEACHING PRACTICUM NREM 698 1 CREDIT
Satisfactory-Fail Only
****** SEE DEPT FOR REFERENCE NUMBERS

RESEARCH NREM 699 1-12 CREDITS
Note: COURSE ONLY OFFERED FOR 1-3 CREDITS SUMMER 2019
****** SEE DEPT FOR REFERENCE NUMBERS

NEUROSCIENCE

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

NUCLEAR ENGINEERING

INDEPENDENT STUdy NUC E 490 1-3 CREDITS
Prereq: JUNIOR CLASSIFICATION
****** SEE DEPT FOR REFERENCE NUMBERS

NUTRITIONAL SCIENCES

SHORT COURSE NUTRS 505 1 CREDIT
Prereq: PERMISSION OF INSTRUCTOR
7836010 2 MTWRF 9:00-1:00
MEETS: JUNE 10-14
Note: SECTION 2 TOPIC: SCIENCE POLICY IN AN AGE OF PUBLIC CONFLICT

RESRCH NUTRITNL SCI NUTRS 699 VAR. CREDITS
Satisfactory-Fail Only
****** SEE DEPT FOR REFERENCE NUMBERS

ORGANIZATION FOR TROPICAL STUDIES

ECO TROPICAL BIOLGY OTS 510 8 CREDITS
7550005 1 ARRANGED

TOPICS TROPICAL BOL OTS 515 1-8 CREDITS
7544005 1 ARRANGED

PERFORMING ARTS

PERFORM ARTS INTERN PERF 310 R CREDIT
3677005 1 ARRANGED
MEETS: MAY 20-AUG 9

PERFORM ARTS SEMINAR PERF 401 2 CREDITS
3766005 1 ARRANGED
MEETS: MAY 20-JULY 12

PHILOSOPHY

MORAL THEOR&PRCTICE PHIL 230 3 CREDITS
5827005 A MTWRF 9:50-11:50
MEETS: MAY 20-JUNE 14

INDEPENDENT STUDY PHIL 490 1-4 CREDITS
Prereq: 6 CREDITS IN PHIL, PERMISSION OF INSTRUCTOR, APPROVAL OF CHAIR
Note: NO MORE THAN 9 CREDITS OF PHIL 490 MAY BE APPLIED TOWARD GRADUATION
****** SEE DEPT FOR REFERENCE NUMBERS

INDEP STUDY HONORS PHIL 490H 1-4 CREDITS
Prereq: 6 CREDITS IN PHIL, PERMISSION OF INSTRUCTOR, APPROVAL OF CHAIR, MEMBERSHIP IN UNIV HONORS PROGRAM
Note: NO MORE THAN 9 CREDITS OF PHIL 490H MAY BE APPLIED TOWARD GRADUATION, COURSE RESTRICTED TO HONORS PROGRAM STUDENTS ONLY
****** SEE DEPT FOR REFERENCE NUMBERS

GRADUATING SR SURVEY PHIL 492 R CREDIT
Note: COURSE RESTRICTED TO PHIL SENIORS GRADUATING 11/18
3891005 1 ARRANGED
MEETS: MAY 20-AUG 9

SPL TOPC HISTORY F PHIL 590A 2-4 CREDITS
Prereq: INSTRUCTOR PERMISSION, 9 CR IN PHIL
5850005 1 ARRANGED
MEETS: MAY 20-AUG 9

SPL TOP EPIS&METAPH PHIL 590B 2-4 CREDITS
Prereq: INSTRUCTOR PERMISSION, 9 CR IN PHIL
5851005 1 ARRANGED
MEETS: MAY 20-AUG 9

SPL TOP VALUE THRY PHIL 590C 2-4 CREDITS
Prereq: INSTRUCTOR PERMISSION, 9 CR IN PHIL
5852005 1 ARRANGED
MEETS: MAY 20-AUG 9

SPL TOP LOGIC&P SCI PHIL 590D 2-4 CREDITS
Prereq: INSTRUCTOR PERMISSION, 9 CR IN PHIL
5853005 1 ARRANGED
MEETS: MAY 20-AUG 9

TCRS BIOETHC WKSHP PHIL 593 2 CREDITS
8903005 1 MTWRF 9:00-5:30
MEETS: JUNE 17-20

PHYSICS

GENERAL PHYSICS PHYS 111 5 CREDITS
Prereq: 1 AND 1/2 YRS OF HS ALGEBRA, 1 YR OF GEOMETRY, 1 SEMESTER OF TRIGONOMETRY
Note: IF A STUDENT ENROLLED IN 111 FOR SPRING 2019 REGISTERS FOR 111 FOR SUMMER 2019 BEFORE SPRING 2019 ENDS, THE SUMMER TERM ENROLLMENT WILL BE DROPPED FROM THE STUDENT'S SCHEDULE
5857005 1 MTWRF 12:10-1:10
TTHF 9:50-10:50
MW 7:30-9:40
MEETS: JUNE 17-AUG 9
5857010 2 MTWRF 12:10-1:10
TTHF 11:00-12:00
MW 1:20-3:30
MEETS: JUNE 17-AUG 9
GENERAL PHYSICS
5857015 3 MTWR 12:10-1:10
THU 11:00-12:00
MW 3:40-4:50
MEETS: JUNE 17-AUG 9

GENERAL PHYSICS
5858005 1 MTTRF 12:20-1:20
TR 9:50-10:50
MW 9:50-12:00
MEETS: JUNE 17-AUG 9

INTR CLASSCL PHYS I
5861005 1 MTTRF 9:50-10:50
MF 8:40-9:40
R 7:30-8:30
MEETS: JUNE 17-AUG 9

INTR CLASSCL PHYS II
5863005 1 MTTRF 11:00-12:00
WF 8:40-9:40
R 12:10-1:20
MEETS: JUNE 17-AUG 9

INDEP STUDY PHYS 221
5868005 1 MTTRF 11:00-12:00
1-4 CREDITS
MEETS: JUNE 17-AUG 9

IND EP STUDY PHYS 450
5890005 1 ARRANGED
1-6 CREDITS
MEETS: JUNE 20-AUG 9

COOPERATIVE EDUCAT PHYS 498
5700005 1 ARRANGED
MEETS: MAY 20-AUG 9

CREATIVE COMPONENT PHYS 599
5788005 1 ARRANGED
MEETS: MAY 20-AUG 9

PLANT BIOLOGY
RESEARCH
PLBIO 699
5799005 1 ARRANGED
MEETS: MAY 20-AUG 9

PLANT PATHOLOGY
INDEP STDY PLT PATH
PL P 490A
1-3 CREDITS
MEETS: MAY 20-AUG 9

POLITICAL SCIENCE
ENVRN POLIT&POLICI
POL S 383
3 CREDITS
MEETS: MAY 20-AUG 9

ADV WRITING POL SCI
POL S 395
R CREDIT
MEETS: MAY 20-AUG 9

PHYSICS (CONTINUED)

COOPERATIVE EDUCAT PHYS 498
R CREDIT
MEETS: MAY 20-AUG 9

CREATIVE COMPONENT PHYS 599
VAR. CREDITS
MEETS: MAY 20-AUG 9

PLANT BIOLOGY
RESEARCH
PLBIO 699
VAR. CREDITS
MEETS: MAY 20-AUG 9

PLANT PATHOLOGY
INDEP STDY PLT PATH
PL P 490A
1-3 CREDITS
MEETS: MAY 20-AUG 9

POLITICAL SCIENCE
ENVRN POLIT&POLICI
POL S 383
3 CREDITS
MEETS: MAY 20-AUG 9

ADV WRITING POL SCI
POL S 395
R CREDIT
MEETS: MAY 20-AUG 9
POLITICAL SCIENCE (CONTINUED)

IND STU D INT'L RELA  POL S 490D VAR. CREDITS
Prereq: 6 CREDITS IN POLITICAL SCIENCE
Note: NO MORE THAN 9 CREDITS OF POL S 490 MAY BE APPLIED TOWARD GRADUATION. USE OF POL S 490 IN POL S MAJOR AND MINOR DEGREE REQUIREMENTS IS LIMITED. SEE UNDERGRADUATE STUDY SECTION OF CATALOG FOR DETAILS. Instructor permission required 1st week. **SEE DEPT FOR REFERENCE NUMBERS**

IND STU D EXT CREDIT  POL S 490E 1- 2 CREDITS
Prereq: 6 CREDITS IN POLITICAL SCIENCE
Note: NO MORE THAN 9 CREDITS OF POL S 490 MAY BE APPLIED TOWARD GRADUATION. USE OF POL S 490 IN POL S MAJOR AND MINOR DEGREE REQUIREMENTS IS LIMITED. SEE UNDERGRADUATE STUDY SECTION OF CATALOG FOR DETAILS. Instructor permission required 1st week. **SEE DEPT FOR REFERENCE NUMBERS**

IND STU D CATT CNTR  POL S 490G VAR. CREDITS
Prereq: 6 CR IN POL S, MEMBERSHIP IN HONORS FROG Note: NO MORE THAN 9 CREDITS OF POL S 490 MAY BE APPLIED TOWARD GRADUATION. USE OF POL S 490 IN POL S MAJOR AND MINOR DEGREE REQUIREMENTS IS LIMITED. SEE UNDERGRADUATE STUDY SECTION OF CATALOG FOR DETAILS. Instructor permission required 1st week. **SEE DEPT FOR REFERENCE NUMBERS**

IND DEP STU HONORS POL S 490H VAR. CREDITS
Prereq: 6 CR IN POL S, MEMBERSHIP IN HONORS FROG Note: NO MORE THAN 9 CREDITS OF POL S 490 MAY BE APPLIED TOWARD GRADUATION. USE OF POL S 490 IN POL S MAJOR AND MINOR DEGREE REQUIREMENTS IS LIMITED. SEE UNDERGRADUATE STUDY SECTION OF CATALOG FOR DETAILS. Instructor permission required 1st week. **SEE DEPT FOR REFERENCE NUMBERS**

SENIOR THESIS  POL S 491 3 CREDITS
Prereq: 21 CREDITS OF POL S, SENIOR STATUS AND PERMISSION OF INSTRUCTOR
Note: Instructor permission required. **SEE DEPT FOR REFERENCE NUMBERS**

TEACHING INTERNSHIP  POL S 496 3 CREDITS
Prereq: 12 CREDITS IN POL S, INSTRUCTOR PERMISSION
Note: USE OF POL S 496 CREDIT IN POL S MAJOR AND MINOR DEGREE REQUIREMENTS IS LIMITED. SEE UNDERGRADUATE STUDY SECTION OF CATALOG FOR DETAILS. Instructor permission required 1st week. **SEE DEPT FOR REFERENCE NUMBERS**

RESEARCH INTERNSHIP  POL S 497 3 CREDITS
Prereq: 12 CREDITS IN POL S, INSTRUCTOR PERMISSION
Note: USE OF POL S 497 CREDIT IN POL S MAJOR AND MINOR DEGREE REQUIREMENTS IS LIMITED. SEE UNDERGRADUATE STUDY SECTION OF CATALOG FOR DETAILS. Instructor permission required 1st week. **SEE DEPT FOR REFERENCE NUMBERS**

COOPERATIVE EDUCATN  POL S 498 R CREDIT
Prereq: PERMISSION OF DEPARTMENT COOP EDUCATION COORDINATOR, SENIOR CLASSIFICATION
**SEE DEPT FOR REFERENCE NUMBERS**

POL SCI INTERNSHIP POL S 499 VAR. CREDITS
Prereq: 6 CREDITS IN POL S; JUNIOR OR SENIOR CLASSIFICATION, PERMISSION OF INTERNSHIP COORDINATOR
Note: USE OF POL S 499 CREDIT IN POL S MAJOR AND MINOR DEGREE REQUIREMENTS IS LIMITED. SEE UNDERGRADUATE STUDY SECTION OF CATALOG FOR DETAILS. Instructor permission required 1st week. **SEE DEPT FOR REFERENCE NUMBERS**

POLITICAL SCIENCE (CONTINUED)

SPL TOP POLICY PROC  POL S 590F 2- 5 CREDITS
Prereq: 15 CR IN POL S, WRITTEN INSTRUCTR PERMISN Instr: Instructor permission required 1st week. **SEE DEPT FOR REFERENCE NUMBERS**

SPL TOP PUB POL&ADM  POL S 590G 2- 5 CREDITS
Prereq: 15 CR IN POL S, WRITTEN INSTRUCTR PERMISN
Note: PERMISSION OF INSTRUCTOR REQUIRED TO ADD FIRST WEEK. PROCESS APPROVED ADD SLIP IN 10 ENRL SC. **SEE DEPT FOR REFERENCE NUMBERS**

SPL TOP INTERNSHIP  POL S 590I 2- 5 CREDITS
Prereq: 15 CR IN POL S, INSTRUCTR PERMISSION
Note: Instructor permission required 1st week. **SEE DEPT FOR REFERENCE NUMBERS**

SPL TOP TEACHG PREF  POL S 590T 2- 5 CREDITS
Prereq: 15 CR IN POL S, INSTRUCTR PERMISSION
Note: Instructor permission required 1st week. **SEE DEPT FOR REFERENCE NUMBERS**

INTERNSHIP  POL S 598 3- 6 CREDITS
Prereq: 15 CREDITS IN POL S, INSTRUCTR PERMISSION
4540005  1 ARRANGED MEETS: MAY 20-AUG 9

CREATIVE COMPONENT  POL S 599 VAR. CREDITS
Note: Instructor permission required 1st week. **SEE DEPT FOR REFERENCE NUMBERS**

RESEARCH  POL S 699 VAR. CREDITS
Note: Instructor permission required 1st week. **SEE DEPT FOR REFERENCE NUMBERS**

PSYCHOLOGY

INTRO TO PSYCHOLOGY  PSYCH 101 3 CREDITS
6069010  A MTWRF 8:40-9:40 MEETS: JUNE 17-AUG 9

ACAD LEARNIG SKILLS  PSYCH 131 1 CREDIT
Satisfactory-Fail Only
6071005  A TR 1:00-2:00, ARRANGED MEETS: JUNE 17-AUG 9
Note: SECTION A FOR APEX PROGRAM STUDENTS ONLY
Section info: http://www.doc.ist.edu/ascl/psychch131/
6071010  B TR 1:00-2:00, ARRANGED MEETS: JUNE 17-AUG 9
Note: SECTION B FOR APEX PROGRAM STUDENTS ONLY
6071015  C TR 3:00-4:00, ARRANGED MEETS: JUNE 17-AUG 9
Note: SECTION C FOR APEX PROGRAM STUDENTS ONLY
6071020  D TR 3:00-4:00, ARRANGED MEETS: JUNE 17-AUG 9
Note: SECTION D FOR APEX PROGRAM STUDENTS ONLY

INTRO RESCH EXPERNC  PSYCH 291 1- 4 CREDITS
Prereq: PSYCH 101, SOPHOMORE CLASSIFICATION, INSTRUCTOR PERMISSION
Satisfactory-Fail Only. **SEE DEPT FOR REFERENCE NUMBERS**

RES DSGN & METHODOL  PSYCH 301 3 CREDITS
6076005  A MTWRF 1:20-3:20 MEETS: MAY 20-JUNE 14

RESCH METHODS PSYC 302 3 CREDITS
Prereq: PSYCH 301, ENGL 250
Note: COURSE RESTRICTED TO PSYCH MAJORS
1173005  A MTWRF 12:10-1:10 MEETS: JUNE 17-AUG 9
Note: COURSE RESTRICTED TO PSYCH MAJORS ONLY

BRAIN & BEHAVIOR  PSYCH 310 3 CREDITS
Prereq: PSYCH 101
1515005  1 MTWRF 12:10-1:10 MEETS: JUNE 17-AUG 9

DRUGS & BEHAVIOR  PSYCH 315 3 CREDITS
Prereq: PSYCH 101
6082005  1 MTWRF 11:00-12:00 MEETS: MAY 20-JULY 12

PSYCH MEASUREMENT I  PSYCH 440 3 CREDITS
Prereq: PSYCH 301 AND 9 CREDITS IN PSYCHOLOGY, STAT 101
Note: COURSE RESTRICTED TO PSYCH MAJORS ONLY
6099005  A MTWRF 8:40-10:00 MEETS: MAY 20-JULY 12

ABNORMAL PSYCHOLOGY  PSYCH 460 3 CREDITS
Prereq: 3 COURSES IN PSYCHOLOGY INCLUDING PSYCH 400, 402, 403
6102005  1 MTWRF 12:10-1:10 MEETS: MAY 20-JULY 12
INDEPENDENT STUDY PSYCH 490 1-3 CREDITS
Prereq: JR CLASSIF, 6 CR IN PSYCH, INSTR PERMISSION
Note: NO MORE THAN 9 CREDITS OF PSYCH 490 MAY BE APPLIED TOWARD A DEGREE IN PSYCHOLOGY. COURSE RESTRICTED TO JUNIORS AND SENIORS ONLY.

INDEPENDENT STUDY HONORS PSYCH 490H 1-3 CREDITS
Prereq: JR CLASSIFCATN, 6 CR IN PSYCH, INSTRUCTOR PERMISSION, MEMBERSHIP IN UNIV HONORS PROGRAM Note: NO MORE THAN 9 CREDITS OF PSYCH 490H MAY BE APPLIED TOWARD A DEGREE IN PSYCHOLOGY. COURSE RESTRICTED TO HONORS PROGRAM JUNIORS AND SENIORS ONLY.

RESEARCH PRACTICUM PSYCH 491 VAR. CREDITS
Prereq: JR CLASSIFICATION, 12 CREDITS IN PSYCHOLOGY, PERMISSION OF INSTRUCTOR Satisfactory-Fail Only.

FLE PRACTICUM HUM V S PSYCH 492A VAR. CREDITS
Prereq: JUNIOR CLASSIFICATION, 12 CREDITS IN PSYCHOLOGY INCLUDING PSYCH 450, OR PSYCH 250 AND ENROLLMENT IN PSYCH 450; PERMISSION OF INSTRUCTOR Satisfactory-Fail Only.

RESEARCH PRACTICUM PSYCH 492B VAR. CREDITS
Prereq: JUNIOR CLASSIFICATION; 12 CREDITS IN PSYCHOLOGY, PERMISSION OF INSTRUCTOR

SPCL TOP COUNSELING PSYCH 590A VAR. CREDITS
Prereq: 12 CREDITS IN PSYCH, PERMISSION OF INSTR

SPCEC TOPICS SOCIAL PSYCH 590R VAR. CREDITS
Prereq: 12 CREDITS IN PSYCH, PERMISSION OF INSTR

INTERNSHIP IN PSYCH PSYCH 597 R CREDIT
Prereq: M.S. DEGREE CANDIDACY; PERMISSION OF INSTRUCTOR.

CREATIVE COMPONENT PSYCH 599 VAR. CREDITS Satisfactory-Fail Only.

EXT PRACTCM ADV CNSL PSYCH 691D VAR. CREDITS
Prereq: 691A, 691B, PERMISSION OF INSTRUCTOR

PRACT GROUP COUNSEL PSYCH 691G VAR. CREDITS
Prereq: PSYCH 626, PSYCH 691A, PERMISSION OF INSTRUCTOR

PRACTICUM TEACHING PSYCH 691T VAR. CREDITS
Prereq: PSYCH 633, PERMISSION OF INSTRUCTOR

RESEARCH PSYCH 699 VAR. CREDITS Satisfactory-Fail Only.

PUBLIC RELATIONS PSYCH 499 VAR. CREDITS
Prereq: JR CLASSIF, 6 CR IN PSYCH, INSTR PERMISSION

PUBLIC RELATIONS PSYCH 499A 1-3 CREDITS
Prereq: JR CLASSIF, 6 CR IN PSYCH, INSTR PERMISSION

PUBLIC RELATIONS PSYCH 499B 1-3 CREDITS
Prereq: JR CLASSIF, 6 CR IN PSYCH, INSTR PERMISSION

RELIG STUDIES INDEPENDENT STUDY RELIG 490 1-3 CREDITS
Prereq: JR CLASSIFICATION; PERMISSION OF INSTRUCTOR; APPROVAL OF DEPT CHAIR.

RESEARCH & EVALUATION BASIC EDUC STATIST PSYCH 552 3 CREDITS 7684005 1 M 12:00-2:00
MEETS: JUNE 17-JULY 12

INTMED EDUC STATIST PSYCH 553 3 CREDITS 7684005 1 M 12:00-2:00
MEETS: JUNE 17-JULY 12

SPECIAL TOPICS PSYCH 590 1-3 CREDITS
Prereq: GRADUATE STANDING.

INDEPENDENT STUDY RUS 490 1-6 CREDITS
Prereq: 6 CR IN RUSSIAN; PERMISSION OF DEPT CHAIR.

RESEARCH & EVALUATION RUSSIAN

INDEPENDENT STUDY RUS 499 1-6 CREDITS
Prereq: 9 CREDITS OF RUSSIAN AT THE 300 LEVEL; PERMISSION OF DEPT CHAIR.

SPECIAL TOPICS RUS 690 1-3 CREDITS
Prereq: GRADUATE STANDING

RESEARCH RUS 699 1-3 CREDITS
Prereq: GRADUATE STANDING

SOCIOLOGY CRIM 400 CRIM JUV JUST FRAC SOC 460 3-12 CREDITS
Prereq: 475 R/SR CLASSIFICATION; PERMISSION OF THE CJ ST COORDINATOR

HIST 475 3-12 CREDITS
Prereq: 475 R/SR CLASSIFICATION; PERMISSION OF THE CJ ST COORDINATOR

Note: NO MORE THAN 9 CREDITS OF SOC 460/CSJ ST 460 MAY BE APPLIED TOWARD GRADUATION. NO CREDITS IN SOC 460/CJS ST 460 MAY BE USED TO SATISFY MINIMUM SOCIOLOGY REQUIREMENTS FOR SOCIOLOGY MAJORS.

Delphi M
Delphi M

MEETS: MAY 20-JULY 12

4-6 CREDITS
Prereq: 6 CR IN SOC, PERMISSION OF DEPT CHAIR.

Note: NO MORE THAN 9 CREDITS OF SOC 460 MAY BE APPLIED TOWARD GRADUATION. RESTRICTED TO HONORS PROGRAM STUDENTS ONLY.

Note: NO MORE THAN 9 CREDITS OF RUS 499 MAY BE APPLIED TOWARD GRADUATION. RESTRICTED TO HONORS PROGRAM STUDENTS ONLY.

Note: NO MORE THAN 9 CREDITS OF RELIG 490 MAY BE APPLIED TOWARD GRADUATION. RESTRICTED TO HONORS PROGRAM STUDENTS ONLY.

Note: NO MORE THAN 9 CREDITS OF RUS 490 MAY BE APPLIED TOWARD GRADUATION. RESTRICTED TO HONORS PROGRAM STUDENTS ONLY.

Note: NO MORE THAN 9 CREDITS OF RELIG 490 MAY BE APPLIED TOWARD GRADUATION. RESTRICTED TO HONORS PROGRAM STUDENTS ONLY.

Note: NO MORE THAN 6 CREDITS OF PSYCH 491 MAY BE APPLIED TOWARD A DEGREE IN PSYCHOLOGY.
Tuition Category: Regents Summer Study Abroad
OFFERED FOR 3 CREDITS.
Department permission required.
Prereq: 2 YRS UNIV-LEVEL SPANISH OR EQUIVALENT

STUDY ABROAD
SPAN 395 1-10 CREDITS
Prereq: 2 YRS UNIV-LEVEL SPANISH OR EQUIVALENT
Department permission required.

SPECIAL EDUCATION
INDEPENDENT STUDY SP ED 490 1-5 CREDITS
Prereq: 12 CR IN EL ED; PERMISSION OF DEPT CHAIR
Note: Department permission required 1st week.

SPANISH
STUDY ABROAD SPAN 395 1-10 CREDITS
Prereq: 6 CR IN SPANISH; PERMISSION OF DEPT CHAIR
Note: No more than 6 CREDITS in SPAN 490 MAY BE APPLIED TOWARD GRADUATION
Permission of department chair required.

SPANISH INTERNSHIP SPAN 499 1-3 CREDITS
Prereq: 9 CREDITS OF SPAN AT 300 LEVEL; PERMISSION OF ADVISER AND WORLD LANGUAGES AND CULTURES INTERNSHIP COORDINATOR
Note: COURSE ONLY OFFERED FOR 3 CREDITS SUMMER 2019.
No more than 3 CREDITS in SPAN 499 MAY BE APPLIED TOWARD GRADUATION IN THE MAJOR.
Department permission required.

SPEECH COMMUNICATION
FUND PUBLIC SPEAKING SP CM 212 3 CREDITS
8643010 1 MTWRF 8:40-10:40
MEETS: MAY 20-JUNE 14
8643040 2 MTWRF 8:40-10:40
MEETS: MAY 20-JUNE 14
8643015 3 MTWRF 9:50-11:50
MEETS: MAY 20-JUNE 14
8643020 4 MTWRF 11:00-1:00
MEETS: MAY 20-JUNE 14
8643025 5 MTWRF 8:40-9:40
MEETS: MAY 20-JULY 12
8643030 6 MTWRF 9:50-10:50
MEETS: MAY 20-JULY 12
8643035 7 MTWRF 11:00-11:30
MEETS: JUNE 17-AUG 9
Note: COURSE RESTRICTED TO C I MAJORS ONLY

SPECIAL PROJECTS SP CM 290 1-2 CREDITS
Prereq: 3 CREDITS IN SP CM; PERMISSION OF PROGRAM DIRECTOR
Note: NO CREDITS IN SP CM 290 MAY BE APPLIED TOWARD THE MINOR REQUIRED CREDITS FOR THE MAJOR.
NO CREDITS IN SP CM 290 MAY BE APPLIED TOWARD THE MINOR REQUIRED.
Department permission required.

SPANISH INTERNSHIP SPAN 499 1-3 CREDITS
Prereq: 9 CREDITS OF SPAN AT 300 LEVEL; PERMISSION OF ADVISER AND WORLD LANGUAGES AND CULTURES INTERNSHIP COORDINATOR
Note: COURSE ONLY OFFERED FOR 3 CREDITS SUMMER 2019.
No more than 3 CREDITS in SPAN 499 MAY BE APPLIED TOWARD GRADUATION IN THE MAJOR.
Department permission required.

SPEECH COMMUNICATION
FUND PUBLIC SPEAKING SP CM 212 3 CREDITS
8643010 1 MTWRF 8:40-10:40
MEETS: MAY 20-JUNE 14
8643040 2 MTWRF 8:40-10:40
MEETS: MAY 20-JUNE 14
8643015 3 MTWRF 9:50-11:50
MEETS: MAY 20-JUNE 14
8643020 4 MTWRF 11:00-1:00
MEETS: MAY 20-JUNE 14
8643025 5 MTWRF 8:40-9:40
MEETS: MAY 20-JULY 12
8643030 6 MTWRF 9:50-10:50
MEETS: MAY 20-JULY 12
8643035 7 MTWRF 11:00-11:30
MEETS: JUNE 17-AUG 9
Note: COURSE RESTRICTED TO C I MAJORS ONLY

SPECIAL PROJECTS SP CM 290 1-2 CREDITS
Prereq: 3 CREDITS IN SP CM; PERMISSION OF PROGRAM DIRECTOR
Note: NO CREDITS IN SP CM 290 MAY BE APPLIED TOWARD THE MINOR REQUIRED CREDITS FOR THE MAJOR.
NO CREDITS IN SP CM 290 MAY BE APPLIED TOWARD THE MINOR REQUIRED.
Department permission required.
STATISTICS

PRIN OF STATISTICS STAT 101 4 CREDITS
PreReq: ONE AND A HALF YRS OF H S ALGEBRA
Note: CREDIT FOR ONLY ONE OF THE FOLLOWING MAY BE APPLIED TOWARD GRADUATION: STAT 101, STAT 104, STAT 105, STAT 201, STAT 226

INTRO TO STATISTICS STAT 104 3 CREDITS
PreReq: 1 & 1/2 YRS OF H S ALGEBRA
Note: CREDIT FOR ONLY ONE OF THE FOLLOWING MAY BE APPLIED TOWARD GRADUATION: STAT 101, STAT 104, STAT 105, STAT 201, STAT 226
6503005 A MWF 8:40-9:40 TF 1:20-3:20 MEETS: MAY 20-JULY 12

ENGINEERING STAT I STAT 226 3 CREDITS
Note: CREDIT FOR EITHER STAT 105 OR STAT 305, BUT NOT BOTH, MAY BE APPLIED TOWARD GRADUATION
6504005 A MTWF 8:40-9:40 MEETS: MAY 20-JULY 12

INTR BUS I STAT II STAT 326 3 CREDITS
PreReq: STAT 226
Note: CREDIT FOR ONLY ONE OF THE FOLLOWING COURSES MAY BE APPLIED TOWARD GRADUATION: STAT 301, STAT 326, STAT 401
6510005 A MWF 8:40-9:40 TF 8:40-10:40 MEETS: MAY 20-JULY 12

PROBAB&STAT COM SCI STAT 330 3 CREDITS
PreReq: MATH 165
7375005 A MTWF 9:50-10:50 MEETS: MAY 20-JULY 12

COOPERATIVE EDUCATN STAT 398 R CREDIT
PreReq: PERMISSION OF DEPARTMENT CHAIR
1530005 A ARRANGED MEETS: MAY 20-AUG 9

INDEPENDENT STUDY STAT 490 VAR. CREDITS
PreReq: 10 CREDITS IN STATISTICS
Note: NO MORE THAN 9 CREDITS IN STAT 490 MAY BE APPLIED TOWARD GRADUATION
******** SEE DEPT FOR REFERENCE NUMBERS

SUPPLY CHAIN MANAGEMENT

SUPPLY CHAIN MGMT SCM 301 3 CREDITS
PreReq: ECON 101, STAT 226
1629005 A1 TR 12:10-2:10 ARRANGED MEETS: MAY 20-JULY 12

INDEPENDENT STUDY SCM 490 1-3 CREDITS
PreReq: SCM 301, SENIOR CLASSIFICATION, INSTRUCTOR PERMISSION
Note: COURSE NOT OPEN TO P BUS MAJORS
Department permission required.
******** SEE DEPT FOR REFERENCE NUMBERS

SPECIAL TOPICS SCM 590 1-3 CREDITS
PreReq: GRAD CLASSIFICATION, INSTRUCTOR PERMISSION
******** SEE DEPT FOR REFERENCE NUMBERS

RESEARCH PRACTICUM I SCM 650 1 CREDIT
PreReq: ENROLLMENT IN THE PH D PROGRAM
******** SEE DEPT FOR REFERENCE NUMBERS

RESEARCH PRACTICUM II SCM 651 1 CREDIT
PreReq: ENROLLMENT IN THE PH D PROGRAM
******** SEE DEPT FOR REFERENCE NUMBERS
SUSTAINABLE AGRICULTURE

SPECIAL TOPICS  
SUSAG 590  1- 3 CREDITS  
Prereq: GRAD CLASSIFICATION, INSTRUCTOR PERMISSION  
******* SEE DEPT FOR REFERENCE NUMBERS

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

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

SUSTAINABLE ENVIRONMENTS

SUSTNB SIGNS STO II  
SUS E 502  5 CREDITS  
Prereq: SUS E 501, SUS E 512, SUS E 531  
3369005  1 MF 1:10-5:20  
ARRANGED  
MEETS: MAY 20-AUG 9  
Note: MEETS MF 1:10-5:20 ONLY THROUGH JULY 6.  
ARRANGED ONLY JULY 7-AUG 3.

TECHNOLOGY SYSTEMS MANAGEMENT

TECHNOLOGY INTERNSHIP  
TSM 397  R CREDIT  
Prereq: AT LEAST 45 CREDITS OF COURSEWORK, CLASSIFICATION IN AST OR I TEC MAJOR, APPROVAL OF INTERNSHIP COORDINATOR  
Satisfactory-Fail Only.  
******* SEE DEPT FOR REFERENCE NUMBERS

WORK EXPERIENCE  
TSM 399  2 CREDITS  
Prereq: TSM 397 IN THE PRECEDING SEMESTER, APPROVAL OF INTERNSHIP COORDINATOR  
Note: NO MORE THAN 4 CREDITS OF TSM 399 MAY BE APPLIED TOWARD THE TOTAL CREDITS REQUIRED FOR GRADUATION  
******* SEE DEPT FOR REFERENCE NUMBERS

INDEPENDENT STUDY HONORS  
TSM 490H  1- 4 CREDITS  
Prereq: JUNIOR OR SENIOR CLASSIF, INSTRUCTOR PERMISSION, COMPLETION OF INDEPENDENT STUDY CONTRACT AND APPROVAL BY DEPARTMENT  
Note: NO MORE THAN 4 CREDITS OF TSM 490 MAY BE APPLIED TOWARD THE TOTAL OF 128 CREDITS REQUIRED FOR GRADUATION. RESTRICTED TO HONORS PROGRAM STUDENTS ONLY. DEPARTMENT PERMISSION REQUIRED.  
******* SEE DEPT FOR REFERENCE NUMBERS

INDEPENDENT STUDY MANUFACTURING  
TSM 490I  1- 4 CREDITS  
Prereq: JUNIOR OR SENIOR CLASSIF, INSTRUCTOR PERMISSION, COMPLETION OF INDEPENDENT STUDY CONTRACT AND APPROVAL BY DEPARTMENT  
Note: NO MORE THAN 4 CREDITS OF TSM 490 MAY BE APPLIED TOWARD THE TOTAL OF 128 CREDITS REQUIRED FOR GRADUATION. DEPARTMENT PERMISSION REQUIRED.  
******* SEE DEPT FOR REFERENCE NUMBERS

INDEPENDENT STUDY BIOSYSTEMS  
TSM 490J  1- 4 CREDITS  
Prereq: JUNIOR OR SENIOR CLASSIF, INSTRUCTOR PERMISSION, COMPLETION OF INDEPENDENT STUDY CONTRACT AND APPROVAL BY DEPARTMENT  
Note: PERMISSION OF DEPARTMENT REQUIRED TO ADD. PROCESS APPROVED ADD SLIP IN 10 ENROLLMENT SERVICES CENTER. NO MORE THAN 4 CREDITS OF TSM 490 MAY BE APPLIED TOWARD THE TOTAL OF 128 CREDITS REQUIRED FOR GRADUATION. DEPARTMENT PERMISSION REQUIRED.  
******* SEE DEPT FOR REFERENCE NUMBERS

INDEPENDENT STUDY MACHINE SYSTEMS  
TSM 490M  1- 4 CREDITS  
Prereq: JUNIOR OR SENIOR CLASSIF, INSTRUCTOR PERMISSION, COMPLETION OF INDEPENDENT STUDY CONTRACT AND APPROVAL BY DEPARTMENT  
Note: NO MORE THAN 4 CREDITS OF TSM 490 MAY BE APPLIED TOWARD THE TOTAL OF 128 CREDITS REQUIRED FOR GRADUATION. DEPARTMENT PERMISSION REQUIRED.  
******* SEE DEPT FOR REFERENCE NUMBERS

INDEPENDENT STUDY OCCUPATIONAL SAFETY  
TSM 490O  1- 4 CREDITS  
Prereq: JUNIOR OR SENIOR CLASSIF, INSTRUCTOR PERMISSION, COMPLETION OF INDEPENDENT STUDY CONTRACT AND APPROVAL BY DEPARTMENT  
Note: NO MORE THAN 4 CREDITS OF TSM 490 MAY BE APPLIED TOWARD THE TOTAL OF 128 CREDITS REQUIRED FOR GRADUATION. DEPARTMENT PERMISSION REQUIRED.  
******* SEE DEPT FOR REFERENCE NUMBERS

WORKSHOP OCCUPATIONAL SAFETY  
TSM 493D  1- 4 CREDITS  
Note: PERMISSION OF OCCUPATIONAL SAFETY CERTIFICATE ADVISER REQUIRED TO ADD. 493D MUST BE THE LAST COURSE TAKEN TO COMPLETE THE OCCUPATIONAL SAFETY CERTIFICATE. Satisfactory-Fail Only.  
1344005  ARRANGED  
MEETS: MAY 20-AUG 9  
Note: Department permission required.

TECHNOLOGY SYSTEMS MANAGEMENT (CONTINUED)

SPL TOP MANUFACTURING  
TSM 590C  1- 4 CREDITS  
Prereq: GRAD CLASSIFICATION IN INDUSTRIAL AND AG TECHNOLOGY, INSTRUCTOR PERMISSION, COMPLETION OF AN INDEPENDENT STUDY CONTRACT Approved by MAJOR PROF  
******* SEE DEPT FOR REFERENCE NUMBERS

SPL TOP OCCUPATIONAL SAFETY  
TSM 590D  1- 4 CREDITS  
Prereq: GRAD CLASSIFICATION IN INDUSTRIAL AND AG TECHNOLOGY, INSTRUCTOR PERMISSION, COMPLETION OF AN INDEPENDENT STUDY CONTRACT Approved by MAJOR PROF  
******* SEE DEPT FOR REFERENCE NUMBERS

MASTER'S TECH COMM  
TSM 598  1 CREDIT  
Note: Satisfactory-Fail Only.  
1911005  1 ARRANGED  
MEETS: MAY 20-AUG 9

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

TECHNOLOGY INTERNSHIP  
TSM 697  R CREDIT  
Prereq: PERMISSION OF MAJOR PROFESSOR AND APPROVAL BY DEPARTMENT CHAIR, GRAD CLASSIFICATION Satisfactory-Fail Only.  
4646005  1 ARRANGED  
MEETS: MAY 20-AUG 9

DOCTORAL TECH COMM  
TSM 698  1 CREDIT  
Note: Satisfactory-Fail Only.  
1926005  1 ARRANGED  
MEETS: MAY 20-AUG 9

RESEARCH  
TSM 699  1- 6 CREDITS  
******* SEE DEPT FOR REFERENCE NUMBERS

THEATRE

SPECIAL PROJECTS  
THTRE 290  1- 3 CREDITS  
Prereq: 3 CREDITS IN THEATRE; PERMISSION OF INSTRUCTOR; APPROVAL OF WRITTEN PROPOSAL  
Note: Instructor permission required.  
******* SEE DEPT FOR REFERENCE NUMBERS

ADVANCED THEATRE PRACTICUM  
THTRE 469  1- 3 CREDITS  
Prereq: 9 CREDITS IN THEATRE COURSES, JR CLASSIFICATION  
******* SEE DEPT FOR REFERENCE NUMBERS

INDEPENDENT STUDY  
THTRE 490  1- 3 CREDITS  
Prereq: 9 CREDITS IN THEATRE, APPROVED WRITTEN PROPOSAL, JUNIOR CLASSIFICATION  
Note: NO MORE THAN 9 CREDITS OF THTRE 490 MAY BE APPLIED TOWARD GRADUATION. DEPARTMENT PERMISSION REQUIRED.  
******* SEE DEPT FOR REFERENCE NUMBERS

THEATRE INTERNSHIP  
THTRE 499  1- 8 CREDITS  
Prereq: 18 CR IN THEATRE, OTHER COURSES DEEMED APPROPRIATE BY FACULTY ADVISER; 2ND SEMESTER JUNIOR OR SENIOR STANDING; CUM GPA OF AT LEAST 2.50 OVERALL  
******* SEE DEPT FOR REFERENCE NUMBERS

SPECIAL TOPICS  
THTRE 590  1- 4 CREDITS  
Prereq: APPROVED WRITTEN PROPOSAL, JUNIOR CLASSIFICATION  
Note: Department chair permission required.  
******* SEE DEPT FOR REFERENCE NUMBERS

TOXICOLOGY

TOXICOLOGY SEMINAR  
TOX 504  1 CREDIT  
7126005  1 ARRANGED  
MEETS: MAY 20-AUG 9

CLINICAL DIAGNOSIS  
TOX 546  1- 3 CREDITS  
Prereq: D.V.M. DEGREE OR VDPAM 526  
1231005  A ARRANGED  
MEETS: MAY 20-AUG 9

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

RESEARCH TOX 699 VAR. CREDITS

TRANSPORTATION

CREATIVE COMPONENT TRANS 599 1 - 3 CREDITS
Prereq: PRE-ENROLLMENT CONTRACT REQUIRED
MEETS: MAY 20- AUG 9

UNIVERSITY STUDIES

FIRST-YR SEM I: APEX U ST 101F 1 CREDIT
Prereq: ACCEPTANCE/PARTICIPATION IN APEX PROGRAM
Note: COURSE FOR APEX PROGRAM STUDENTS ONLY.
MEETS: JUNE 17- AUG 9

INDEPENDENT STUDY U ST 490 VAR. CREDITS
Prereq: PERMISSION OF THE ASSOCIATE PROVOST
Note: PERMISSION OF ASSOC PROVOST FOR UNDERGRAD PROGRAMS
REQUIRED. PROCESS APPROVED ADD SLIP IN 10 ENRL SC.
MEETS: MAY 20-AUG 9

URBAN DESIGN

URBN DSN GLOBL STDG URB D 502 6 CREDITS
Prereq: GRADUATE STANDING, OR SENIOR CLASSIFICATION WITH INSTRUCTOR PERMISSION
MEETS: MAY 20- JULY 12

SPL TOP URBAN DESIGN URB D 590X 1 - 3 CREDITS
Prereq: GRADUATE STANDING
MEETS: MAY 20- AUG 9

VET DIAGNOSTIC & PRODUCTION AN MED

PRECP: MKD FD AN MED VDPAM 420A 1 - 6 CREDITS
Prereq: 4TH YEAR CLASSIFICATION IN V MED
MEETS: MAY 20- AUG 9

PRECP PRD AN MD: MKD VDPAM 420B 1 - 6 CREDITS
Prereq: 4TH YEAR CLASSIFICATION IN V MED
MEETS: MAY 20- AUG 9

PRECP PROD AN: GOVT VDPAM 420C 1 - 6 CREDITS
Prereq: 4TH YEAR CLASSIFICATION IN V MED
MEETS: MAY 20- AUG 9

PRECP PRD AN: MKD VDPAM 420P 1 - 6 CREDITS
Prereq: 4TH YEAR CLASSIFICATION IN V MED
MEETS: MAY 20- AUG 9

GPVEC: SHEEP WEANING VDPAM 421R 1 CREDIT
Prereq: 4TH-YEAR CLASSIFICATION IN VET MED;
ABILITY TO PROVIDE OWN TRANSPORTATION TO EACH SITE
Note: NO MORE THAN 6 CREDITS IN VDPAM 420P MAY BE APPLIED TOWARD GRADUATION
MEETS: MAY 20- AUG 9

CLIN EMBRYO TRANSFER VDPAM 451 2 CREDITS
Prereq: FOURTH-YEAR CLASSIFICATION IN V MED
MEETS: MAY 20- AUG 9

ANIM WELFARE CLINIC VDPAM 465 2 CREDITS
Prereq: FOURTH-YEAR CLASSIFICATION IN V MED
MEETS: MAY 20- AUG 9

THERIOGENOL: FD ANIM VDPAM 471 2 CREDITS
Prereq: 4TH-YEAR CLASSIFICATION IN V MED
MEETS: MAY 20- AUG 9

FOOD AN & CAM FLD SRV VDPAM 476 1 - 2 CREDITS
Prereq: VDPAM 310; FOURTH YEAR CLASSIFICATION IN VETERINARY MEDICINE
Note: COURSE ONLY OFFERED FOR 2 CREDITS SUMMER 2019
MEETS: MAY 20- AUG 9

RESEARCH VDPAM 699 VAR. CREDITS

VETERINARY CLINICAL SCIENCES

ONCOLOGY V C S 409 2 CREDITS
Prereq: FOURTH-YEAR CLASSIFICATION IN VET MED
Note: COURSE ONLY OFFERED FOR 2 CREDITS SUMMER 2019
MEETS: MAY 20- AUG 9

PRECEPTOR COMPANION V C S 419A 2 - 6 CREDITS
Prereq: FOURTH-YEAR CLASSIFICATION IN VET MED;
PRESUMED, PERMISSION OF DEPARTMENT CURRICULUM COMMITTEE
MEETS: MAY 20- AUG 9

PRACTICUM V C S 420 R CREDIT
Prereq: FOURTH-YEAR CLASSIFICATION IN V MED,
PRESUMED, PERMISSION OF INSTRUCTOR
MEETS: MAY 20- AUG 9
VETERINARY MICROBIOLOGY & PREV MED

PUBLIC HEALTH LAB V MPM 486 2 CREDITS
Prereq: FOURTH-YEAR CLASSIFICATION IN V MED
6951005 1 MTWRF 8:00-12:00
MTWRF 2:00-5:00

INDEPENDENT STUDY V MPM 490 VAR. CREDITS
Prereq: PERMISSION OF INSTRUCTOR AND DEPT CHAIR
Note: COURSE ONLY OFFERED FOR 1-5 CREDITS SUMMER 2019
Permission of instructor required. Process approved add slip in 2270A Vet Med.
****** SEE DEPT FOR REFERENCE NUMBERS

SPECIAL TOPICS V MPM 590 1- 5 CREDITS
Prereq: PERMISSION OF INSTRUCTOR
Note: Instructor permission required.
****** SEE DEPT FOR REFERENCE NUMBERS

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

RESEARCH V MPM 699 VAR. CREDITS
****** SEE DEPT FOR REFERENCE NUMBERS

VETERINARY PATHOLOGY

NECROSYS LAB PRACTM V PTH 456 1 CREDIT
Prereq: FOURTH-YEAR CLASSIFICATION IN V MED
Note: COURSE RESTRICTED TO 4TH YEAR VET MED STUDENTS
7007005 1 MTWRF 1:10-5:00
S 10:00-11:50

CLIN PATH LAB PRACT V PTH 457 1 CREDIT
Prereq: FOURTH-YEAR CLASSIFICATION IN V MED
Note: COURSE RESTRICTED TO 4TH YEAR VET MED STUDENTS
7008005 1 MTWRF 8:00-11:50

INDEPENDENT STUDY V PTH 490 VAR. CREDITS
Prereq: PERMISSION OF INSTRUCTOR & DEPT CHAIR
Note: Permission of instructor required. Process approved add slip in 2270A Vet Med.
****** SEE DEPT FOR REFERENCE NUMBERS

DIAGN PARASITOL LAB V PTH 548 1- 3 CREDITS
9668005 1 ARRANGED
MEETS: MAY 20-AUG 9

CLIN PATHOLOGY LAB V PTH 549 1 CREDIT
Prereq: 457, PERMISSION OF INSTRUCTOR
Satisfactory-Fail Only.
7037005 1 ARRANGED
MEETS: MAY 20-AUG 9
Note: Instructor permission required.

SURGICAL PATHOLLab V PTH 550 1- 3 CREDITS
Prereq: 570 OR 571, PERMISSION OF INSTRUCTOR
Satisfactory-Fail Only.
7479005 1 ARRANGED
MEETS: MAY 20-AUG 9

POSTMORT PATHOLAB V PTH 551 1- 3 CREDITS
Prereq: 542, PERMISSION OF INSTRUCTOR
Note: Instructor permission required.
Satisfactory-Fail Only.
7038005 1 MTWRF 11:10-5:00
S 10:00-11:50
MEETS: MAY 20-AUG 9

SPL TOPC VET PATHOL V PTH 590A 1- 4 CREDITS
Prereq: PERMISSION OF INSTRUCTOR
Note: Instructor permission required.
****** SEE DEPT FOR REFERENCE NUMBERS

SPL TOP VET PARASIT V PTH 590B 1- 4 CREDITS
Prereq: PERMISSION OF INSTRUCTOR
Note: Instructor permission required.
****** SEE DEPT FOR REFERENCE NUMBERS

SF TOP VET CLIN PTH V PTH 590D 1- 4 CREDITS
Prereq: PERMISSION OF INSTRUCTOR
Note: Instructor permission required.
****** SEE DEPT FOR REFERENCE NUMBERS

SPECIAL TOPICS V PTH 590E 1- 4 CREDITS
Prereq: PERMISSION OF INSTRUCTOR
Note: Instructor permission required.
****** SEE DEPT FOR REFERENCE NUMBERS

CRTC CMP VET PATHOL V PTH 599A VAR. CREDITS
****** SEE DEPT FOR REFERENCE NUMBERS

VETERINARY PATHOLOGY (CONTINUED)

CRTC CMP VET PARASIT V PTH 599B VAR. CREDITS
****** SEE DEPT FOR REFERENCE NUMBERS

CRTC CMP V CLIN PTH V PTH 599D VAR. CREDITS
****** SEE DEPT FOR REFERENCE NUMBERS

CURR TOPICS SEMINAR V PTH 605 1 CREDIT
****** SEE DEPT FOR REFERENCE NUMBERS

DIAG INTERPR V PATH V PTH 606A R CREDIT
Prereq: PERMISSION OF INSTRUCTOR
Note: Instructor permission required.
7029005 1 ARRANGED
MEETS: MAY 20-AUG 9

DIAG INTERP V PARAS V PTH 606B R CREDIT
Prereq: PERMISSION OF INSTRUCTOR
Note: Instructor permission required.
7030005 1 ARRANGED
MEETS: MAY 20-AUG 9

DIAG INTERP VET TOX V PTH 606C R CREDIT
Prereq: PERMISSION OF INSTRUCTOR
Note: Instructor permission required.
5787005 1 ARRANGED
MEETS: MAY 20-AUG 9

DIAG INTERP CLINPTH V PTH 606D R CREDIT
Prereq: PERMISSION OF INSTRUCTOR
Note: Instructor permission required.
9694005 1 ARRANGED
MEETS: MAY 20-AUG 9

VET PATHOLOGY RSCH V PTH 699A VAR. CREDITS
****** SEE DEPT FOR REFERENCE NUMBERS

VET PARASITOLOGY RES V PTH 699B VAR. CREDITS
****** SEE DEPT FOR REFERENCE NUMBERS

VET CLIN PATH RSCH V PTH 699D VAR. CREDITS
****** SEE DEPT FOR REFERENCE NUMBERS

WOMEN'S AND GENDER STUDIES

INDEPENDENT STUDY WGS 490 1- 3 CREDITS
Prereq: ANY TWO COURSES IN WGS
Note: NO MORE THAN 6 CREDITS OF WGS 490 MAY BE APPLIED TOWARD REQUIREMENTS FOR THE WGS MAJOR
Department permission required.
****** SEE DEPT FOR REFERENCE NUMBERS

INTERNSHIP WGS 491 1- 3 CREDITS
Prereq: JUNIOR OR SENIOR CLASSIFICATION
****** SEE DEPT FOR REFERENCE NUMBERS

SENIOR THESIS WGS 499 3 CREDITS
Prereq: SENIOR CLASSIFICATION
****** SEE DEPT FOR REFERENCE NUMBERS

SPECIAL TOPICS WGS 590 VAR. CREDITS
Prereq: PERMISSION OF WOMEN'S AND GENDER STUDIES PROGRAM CHAIR
Note: Department permission required 1st week.
****** SEE DEPT FOR REFERENCE NUMBERS

CURR TOPICS WGS 590VAR. CREDITS
****** SEE DEPT FOR REFERENCE NUMBERS

APRIL 2019