

# Summer Session 2020

Session I	May 18 - July 10
Session II	June 15 - August 7
University Holidays	May 25 July 3

## Registration Start Dates for Summer 2020

Veterinary Medicine students:	Monday, March 23
Graduate students:	Monday, March 23 - Wednesday, March 25
All seniors:	Tuesday, March 24 - Monday, March 30
Projected juniors:	Tuesday, March 31 - Monday, April 6
Projected sophomores:	Tuesday, April 7 - Monday, April 13
Continuing freshmen:	Tuesday, April 14 - Monday, April 20

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

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# Key Dates, Deadlines, Information

## Class Registration on AccessPlus

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

## Academic Probation

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

## Auditing Courses

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

## Fee Payment Deadlines

Fee payment deadlines for Summer 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](mailto:answercenter@iastate.edu).

# University Calendar Summer 2020

May 17, Sun.	<ul style="list-style-type: none"> <li>• Last day to cancel registration for full-12 week summer courses to avoid tuition assessment.</li> </ul>				
May 18, Mon.	<ul style="list-style-type: none"> <li>• Class work begins, Session I courses.</li> <li>• Fee payment deadline for summer semester. First payment (minimum due) or payment in full.</li> </ul>				
May 22, Fri.	<ul style="list-style-type: none"> <li>• Last day to add a Session I course without instructor's signature.</li> <li>• Last day to process adds or section changes for a Session I course through AccessPlus registration.</li> <li>• Last day to process most schedule changes without a fee; or to add/drop a Session I course without signatures of instructor and adviser.</li> <li>• Last day to drop a Session I course without the drop appearing on the permanent record or counting toward the limit of dropped courses.</li> <li>• Last day to drop a Session I course through AccessPlus registration.</li> <li>• Last day to change a Session I course from Pass/Not Pass to grade without it counting toward total allowable P/NP credits used for graduation.</li> <li>• Last day to change a Session I course from audit to credit basis.</li> <li>• Last day to elect to audit a course for Summer Session I. The instructor of the course must approve an audit.</li> <li>• Last day to elect to audit a course for a twelve-week, full summer course. The instructor of the course must approve an audit.</li> </ul>				
May 25, Fri	<ul style="list-style-type: none"> <li>• University holiday—offices closed, classes recessed.</li> <li>• Preliminary room assignments for Fall 2018 distributed to departments from Room Scheduling.</li> </ul>				
May 29, Fri.	<ul style="list-style-type: none"> <li>• Deadline for approval (with all signatures) of new experimental course forms for Fall 2020.</li> </ul>				
June 15, Mon.	<ul style="list-style-type: none"> <li>• Class work begins, Session II courses.</li> </ul>				
June 19, Fri.	<ul style="list-style-type: none"> <li>• Last day to add a Session II course without instructor's signature.</li> <li>• Last day to process adds or section changes for a Session II course through AccessPlus registration.</li> <li>• Last day to process a schedule change for a Session II course without signatures of instructor and adviser.</li> <li>• Last day to drop a Session II course without the drop appearing on the permanent record or counting toward the limit of dropped courses.</li> <li>• Last day to drop a Session II course through AccessPlus registration.</li> <li>• Last day to change a Session II course from Pass/Not Pass to grade without it counting toward the total allowable P/NP credits used for graduation.</li> </ul>				
		June 20, Sat.			
		July 3, Wed.			
		July 10, Fri.			
		July 17, Fri.			
		July 21, Tues.			
		July 20, Mon.			
		July 21, Tues.			
		July 25, Sat.			
		Aug. 4, Tues.			
		Aug. 7, Fri.			
		Aug. 11, Wed., 2:15 p.m.			
		Aug. 12, Wed.			
					<ul style="list-style-type: none"> <li>• Last day to elect to audit a course for Summer Session II. The instructor of the course must approve an audit.</li> <li>• Last day to change a Session II course from audit to credit basis.</li> <li>• Last day to add/drop a course or withdraw without extenuating circumstances (Session I courses).</li> <li>• Last day to change a Session I course to 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.</li> <li>• Fee payment deadline for summer. Second payment (minimum due).</li> <li>• Fee payment deadline for summer. Second payment (minimum due).</li> <li>• 4 p.m., Preliminary room assignments for Fall 2020, with changes, due back to Room Scheduling from departments.</li> <li>• University holiday—offices closed classes recessed.</li> <li>• Summer Session I ends.</li> <li>• Graduate College: last day for final oral examinations.</li> <li>• Last day to add/drop a course or withdraw without extenuating circumstances (Session II courses).</li> <li>• Last day to change a Session II course to or from Pass/Not Pass. Courses changed to graded basis after June 19 count toward the total allowable P/NP credits used for graduation.</li> <li>• Last day to file a Designation of Repeated Course form for a summer course that is not an automatic designated repeat.</li> <li>• Graduate College: last day for final submission of graduate student graduation approval slip.</li> <li>• Fee payment deadline for summer semester. Final payment due.</li> <li>• Graduate College: last day to submit signed Submission Request Form for electronic thesis or dissertation.</li> <li>• Graduate College: last day to submit final electronic thesis/dissertation copy for Thesis Office review.</li> <li>• Room assignments for Fall 2020 courses displayed on-line.</li> <li>• University bills with Fall 2020 tuition and fees charges available on AccessPlus <a href="http://accessplus.iastate.edu">http://accessplus.iastate.edu</a>.</li> <li>• Summer Session II ends.</li> <li>• Final grades due on Canvas, or AccessPlus.</li> <li>• Grade reports available on AccessPlus.</li> </ul>

# Resources

## Admissions [www.admissions.iastate.edu](http://www.admissions.iastate.edu)

General Information ..... 100 Enrollment Services Center ..... (515)294-5836

## College Student Services Offices

College of Ag 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](http://www.financialaid.iastate.edu)

General Information ..... 0210 Beardshear ..... 294-2223

## ISUCard Office [www.adp.iastate.edu/idcard/](http://www.adp.iastate.edu/idcard/)

ISUCard Office ..... 0530 Beardshear ..... 294-2727

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

Verifications ..... 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  
 Veterans Certification ..... 210 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/](http://www.answer.iastate.edu/)

Student Answer Center ..... Ground Floor Beardshear ..... 294-4469

## Voter Registration

To learn how to register to vote, or to find out more about voting in Iowa, go to [www.sos.state.ia.us/](http://www.sos.state.ia.us/).

Voter registration forms are available in the Office of the Registrar, 214 Enrollment Services Center, and the Student Answer Center, Ground Floor, Beardshear.

# Admission

## New Students

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

## Graduate Students

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

## Nondegree Students

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

## Summer Trial Enrollment

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

**Undergraduate students, both nondegree and degree seeking:**

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

## Reentering Students

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

#### Life and Ag 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  
294-4831

#### Veterinary Medicine

2540 Vet Med  
294-0772



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

## To register, follow these steps:

- 1 Meet with your academic adviser, who will provide the following:
  - a. degree audit.
  - b. guidance in course selection
  - c. Registration Authorization Card, with RAN, if applicable.
- 2 Choose specific sections for each course you want to take. In most cases, your adviser will not be involved in selecting meeting times. You can use the Schedule of Classes (<http://classes.iastate.edu>) and Class Schedule Planner (<http://planner.iastate.edu>) to plan your schedule.
- 3 Review your registration start date/time information and any registration hold information on AccessPlus, under Current Information. You must resolve holds on your registration in order to register for classes.
- 4 Register for courses using the AccessPlus registration system. Room locations for courses will be available on AccessPlus in late July.
- 5 Remember to pay your fees. Registration is not complete until all fees are paid, including, tuition, room and board and other university charges. View your university bill on AccessPlus. Failure to view your account on AccessPlus will not exempt you from late penalties or from having a hold placed on your registration. If you have questions, call 515-294-7388.

## Initiating Registration

The last day to initiate a new registration for through AccessPlus registration or the Scheduling & Fees Office in 10 Enrollment Services Center for Summer 2020 full-12 week classes is Friday, May 15.

## Cancelling Registration

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

## RAN

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

## Registration System Abuse

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

### AccessPlus Registration Tips

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

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



# Schedule of Classes

<http://classes.iastate.edu/>

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

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

# Schedule Planner

<http://planner.iastate.edu/>

The Class Schedule Planner allows you to plan your schedule using courses displayed in the Schedule of Classes at [www.iastate.edu](http://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 college dean of the student's college.

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

**Half-semester courses and partial term courses:** Specific deadlines for adding and dropping half-semester courses are published in the university calendar. Appropriate adjustments to add and drop deadlines are made for other partial term courses. To find out specific deadlines for partial term courses, go 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 2020 Fee Schedule

Tuition & fees are subject to change without notice. for the most current tuition & fee rates visit [www.registrar.iastate.edu/fees/](http://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](http://www.iastate.edu) under Cancelling Registration. You should make a record of the name of the person taking the call, as well as the time and date called.

## Withdrawing Registration

Beginning the first meeting day of class, students who decide not to continue attending classes must process a withdrawal form.

Students considering a withdrawal from the university should immediately consult their academic adviser to discuss reasons for the withdrawal and alternatives. Should the student still wish to withdraw, the "Request for Withdrawal" form is initiated and submitted to the student's college for approval. If approved, the student's college will forward the withdrawal form to the Office of the Registrar. The student is then withdrawn from all courses based upon the withdrawal date on the form and tuition and fees are adjusted as appropriate according to established policies approved by the Board of Regents, State of Iowa. For further information go to the ISU index under Tuition and Fees.

If a withdrawal is requested during add/drop Period 3, the request may be denied if it is determined that academic performance prior to withdrawal is unsatisfactory. If the withdrawal is approved during Period 3 for a student on academic probation, the student will not be permitted to enroll the following term, except under extenuating circumstances. When a student withdraws, the attempted courses are not recorded on the permanent record and are not counted toward the student's drop limit; however, partial term courses completed prior to withdrawal will be included on a student's permanent record.

If the procedures for withdrawing from the university are not followed, instructors will assign whatever grades or marks they consider appropriate. Since these grades may be F's, students are warned that failure to follow the prescribed withdrawal procedures may adversely affect a later application for reentry or transfer to another institution. For more information on withdrawal policies, refer to the Withdraw/Cancel procedure at <http://www.registrar.iastate.edu/students>.

## Tuition Adjustment Schedule

*This tuition adjustment schedule is subject to change.*

Tuition adjustments for withdrawals of registration are based upon the following table for Summer 2020:

### Withdrawal Date: Student Pays

Withdrawal Date:	Student Pays
Full Summer term	
May 21	10%
May 27	25%
June 2	50%
June 8	75%
After June 8	100%

### Summer Session I Student Pays

May 20	10%
May 22	25%
May 27	50%
May 29	75%
After May 26	100%

### Summer Session II Student Pays

June 19	10%
June 17	25%
June 24	50%
June 26	75%
After June 26	100%

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 \$8 health facility fee for Summer 2020, 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. Note: The health facility fee is mandatory for all students enrolled in the Students and Scholars Health Insurance Plan including all international students on an assistantship. For students who withdraw or change to an exempt status as defined above, the tuition adjustment schedule will also be used for the health facility fee.

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

### **Health Fee (Mandatory)**

All students are assessed an \$120 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 certain required courses 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 \$120 Health Fee and \$8 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 \$120 Health Fee and \$8 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, \$40 non-degree, \$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, before spring break. If you miss this deadline you can still submit before the last term of graduation.

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](mailto:graduation@iastate.edu).

## Teacher Licensure

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

## Graduate Students

Specific deadlines have been set by the Graduate College for all graduate students. Failure to meet these deadlines may result in the removal of the student's name from the graduation list for Summer 2020.

- An "Application for Graduation" (diploma slip) should be obtained from the student's department and filed in the Graduate College by Friday, June 5.
- Last day for graduate students to cancel graduation, by June 26.
- A Request for "Final Oral Examination" form should be obtained from the student's department and submitted to the Graduate College at least three weeks before the final oral examination.
- Final oral examination must be taken by Friday, July 23.
- Final signed thesis/dissertation form must be submitted to the Thesis Office, 1137 Pearson, by Tuesday, July 21. 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 23.
- Signatures must be obtained on the "Graduate Student Approval Slip" by Tuesday, July 21. 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:

Grade	Quality Points	Grade	Quality Points
A	4.00	C	2.00
A-	3.67	C-	1.67
B+	3.33	D+	1.33
B	3.00	D	1.00
B-	2.67	D-	0.67
C+	2.33	F	0.00

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](http://catalog.iastate.edu).

## Repeated Courses

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

Approval to repeat a course in which the course number or number of credits has changed must be noted on a Designation of Repeated Course form. This form can be obtained from departmental offices and must be signed by the student's 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](http://catalog.iastate.edu).

## Veterans Educational Assistance

Students planning to receive Veterans Educational Assistance must provide enrollment information to the V. A. clerks in the Office of the Registrar, 210 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](http://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](http://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](http://www.isualert.iastate.edu)) will quickly alert Iowa State University students, faculty and staff of potentially dangerous situations on the Iowa State University campus. For details on how to review and update your ISU Alert information see <http://isualert.iastate.edu/update.shtml>

## Third Party Access

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

# Services for Students

## Campus Parking

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

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

## Child Care

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

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

Child care programs located on campus include:

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

## Student Disability Resources

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

## Identification Card (ISUCard)

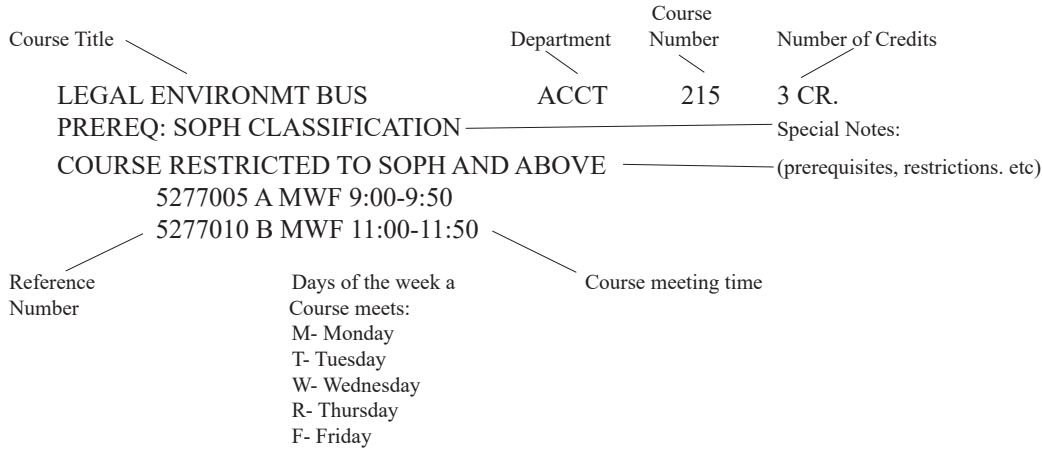
The Iowa State University student identification card (ISUCard) will be made available to students at the time of their first registration. This is a permanent card to be used while attending Iowa State. Loss of their ISUCard should be reported immediately to the ISUCard Office, 0530 Beardshear, where 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 \$25 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](http://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](http://catalog.iastate.edu).

## Credit Involving a Paid Activity

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

## Credits Limits

For fall and spring semesters, the credit limit is 18 credits for undergraduates and 15 credits for graduate students. For summer session, the limits are 12 credits for undergraduates and 10 credits for graduate students. Requests to add credits beyond a student's credit limit will be denied. Generally, a student must drop credits before adding another course.



Students may request a change in their credit limit by contacting their adviser. Advisers should notify the student's college student services office if the credit limit needs to be changed.

### Distance Education Course Information

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

### Experimental Courses

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

### Late Registration

A late registration fee is charged beginning on the first day of classes. Registration after the fifth day of classes requires written permission from instructor(s), adviser/major professor, and approval from the college office authorized to sign on behalf of the Dean. There is no late fee in the summer.

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

### Partial-Semester Courses

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

### Pass-Not Pass

Students must contact their adviser/major professor to determine which courses they may take Pass-Not Pass. To take a course Pass-Not Pass, first add the course through the web registration system on a graded basis, then to declare the course as Pass-Not Pass, the student must obtain the signature of their adviser/major professor located in the Pass-Not Pass

section of the Schedule Change/Restriction Waiver form. Process the form in the Registrar's Student Scheduling Office, 10 Enrollment Services CenterI. 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 Stndt 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 CenterI.

### 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.



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](http://classes.iastate.edu)** for the list of classes offered for the term. Use the spaces provided below to plan the courses they want on their schedule.
- B. **Meet with your adviser** to discuss their courses and to obtain their Registration Access Number (RAN), if required by your college.
- C. **Register via AccessPlus at [accessplus.iastate.edu](http://accessplus.iastate.edu)**. Follow the instructions and prompts on the screens. *It is your responsibility to check for schedule conflicts.* Attempt to add a course you need even if the section is closed. This action helps the university monitor unmet course demand.

**D. Additional Registration Regulations**

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

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

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

Reference #	Department	Course	Section	Credit	Meeting Day(s) and Time	Notes (OK, full, etc.)
_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____

**Alternative courses**

_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____

**Notes**

Adviser Signature: \_\_\_\_\_ Date Approved: \_\_\_\_\_

**ACCOUNTING**

LEGAL ENVIRONMT BUS ACCT 215 3 CREDITS  
Prereq: SOPH CLASSIFICATION  
Note: COURSE RESTRICTED TO SOPHOMORES AND ABOVE  
5277005 1 MWF 2:30-4:30  
ARRANGED  
MEETS: MAY 18-JUNE 12  
Note: SEC 1 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.

INTMD MANAGERL ACCT ACCT 383 3 CREDITS  
Prereq: ACCT 285 OR ACCT 501; AND ACCT 301  
1117005 A1 MTWRF 12:10-2:10  
MEETS: MAY 18-JUNE 12  
Note: SECTION A1 RESTRICTED TO ACCT UNDERGRAD MAJORS  
1117010 A2 MTWRF 12:10-2:10  
MEETS: MAY 18-JUNE 12  
Note: SECTION A2 RESTRICTED TO ACSCI, BU AN, BUS S, BUS U, BUSEC, ENTSP, FIN, MGMT, MIS, MKT, SCM MAJORS ONLY

INTMED ACCOUNTING I ACCT 386 3 CREDITS  
Prereq: ACCT 285 AND ACCT 301  
1118005 A1 MTWRF 9:50-11:50  
MEETS: JULY 13-AUG 7  
Note: SEC A1 RESTRICTED TO ACCT UNDERGRAD MAJORS ONLY  
1118010 A2 MTWRF 9:50-11:50  
MEETS: JULY 13-AUG 7  
Note: SEC A2 RESTRICTED TO ACSCI, BU AN, BUS S, BUS U, BUSEC, ENTSP, FIN, MGMT, MIS, MKT, 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 1 MTWRF 9:50-11:50  
MEETS: JULY 13-AUG 7

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

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

**ADVERTISING**

STRATEG PLAN AD&P.R ADVRT 301 3 CREDITS  
Prereq: ADVRT 230 OR P R 220  
4439600 XW ARRANGED WIGTON M  
MEETS: MAY 18-JULY 10  
Note: Section XW is off campus  
Course delivery is WWW  
Delivery fee \$150.00

PRO MDIA INTERN:REQ ADVRT 499A 3 CREDITS  
Prereq: JL MC 110; FORMAL FACULTY ADVISR APPROVL;  
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 R 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 INTERN:OPT ADVRT 499B 1- 3 CREDITS  
Prereq: JL MC 110; FORMAL FACULTY ADVISR 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 R 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**

IND STU FLIGHT GRND AER E 290A 1- 2 CREDITS  
Prereq: SOPHOMORE CLASSIFICATION, DEPT APPROVAL  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

IND STUDY IN-FLIGHT AER E 290B 1- 2 CREDITS  
Prereq: AER E 301, SOPHOMORE CLASSIFICTN, DEPT APPROVAL  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

INDEPENDENT STUDY AER E 290C 1- 2 CREDITS  
Prereq: SOPHOMORE CLASSIFICATION, DEPT APPROVAL  
Note: COURSE ONLY OFFERED FOR 2 CREDITS SUMMER 2020  
\*\*\*\*\* 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 STDY PROPULSION AER E 490B 1- 6 CREDITS  
Prereq: JR/SR CLASSIFICATION, DEPARTMENT APPROVAL  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

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

IND STU FLIGHT DYNA 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 ST FLT CONT SYS AER E 490F 1- 6 CREDITS  
Prereq: JR/SR CLASSIFICATION, DEPARTMENT APPROVAL  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

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

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

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

INDEPENDENT STUDY AER E 4900 1- 6 CREDITS  
Prereq: JR/SR CLASSIFICATION, DEPARTMENT APPROVAL  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

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

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

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

SPL TOP FLIGHT DYNA AER E 590D 1- 5 CREDITS  
\*\*\*\*\* 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

## AEROSPACE ENGINEERING (CONTINUED)

SPL TOP VISCOUS 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 AERODY AER E 590K 1- 5 CREDITS  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

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

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

SPL 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 TOP PROPULSION AER E 690B 1- 5 CREDITS  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

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

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

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

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

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

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

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

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

ENGINEERG INTERNSHP AER E 697 R CREDIT  
Prereq: PERMISSION OF DOGE, GRADUATE CLASSIFICATN  
Satisfactory-Fail Only.  
8131005 1 ARRANGED  
MEETS: MAY 18-AUG 7

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

**AFRICAN AND AFRICAN AMERICAN STUDIES**

ETHNIC&RACE RELATNS AF AM 330 3 CREDITS  
Prereq: SOC 130 OR SOC 134  
Note: Meets U.S. diversity reqmt  
8638600 XW ARRANGED KUSOW A  
MEETS: MAY 18-JUNE 12  
Note: Section XW is off campus  
Course delivery is WWW  
Delivery fee \$150.00

SEM AFRIC AMER CULT AF AM 460 3 CREDITS  
Note: Meets U.S. diversity reqmt  
Instructor permission required.  
6688005 1 ARRANGED  
MEETS: MAY 18-AUG 7

INDEPENDENT STUDY AF AM 490 1- 3 CREDITS  
Prereq: 6 CR IN AF AM, PERMISSION OF INSTRUCTOR  
AND OF THE CHAIR OF THE AF AM STUDIES PROGRAM  
Note: Instructor permission required.  
8357005 1 ARRANGED  
MEETS: MAY 18-AUG 7

**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:BIORNW RSRCE A B E 490B 1- 5 CREDITS  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

## AGRICULTURAL AND BIOSYSTEMS ENGINEERING (CONTINUED)

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  
Prereq: MEMBERSHIP IN UNIV HONORS PROGRAM  
Note: COURSE RESTRICTED TO HONORS PROGRAM STUDENTS ONLY  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

IND STU LAND&WATR 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

STUDY ABROAD A B E 496 1- 4 CREDITS  
Prereq: PERMISSION OF INSTRUCTOR  
Note: Meets international perspectives reqmt  
7295800 FR ARRANGED ROSENTRATER K  
MEETS: MAY 11-30  
Note: SEC FR TAUGHT IN FRANCE, PARIS AREA,  
TITLE: CATHEDRALS, CASTLES, CULTURE & CUISINE-  
SAFE & NUTRITIOUS FOOD IN FRANCE. STUDY  
ABROAD SUMMER 2020. OFFERED FOR 1 CREDIT  
Study Abroad Administrative Fee Applies

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

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

ENGINEERG INTERNSHP A B E 697 R CREDIT  
Prereq: PERMISSION OF DEPT CHAIR, GRAD CLASSIF  
Satisfactory-Fail Only.  
1700005 1 ARRANGED  
MEETS: MAY 18-AUG 7

RESEARCH BIOSYS 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

RESRCH OCCUP SAFETY A B E 699O VAR. CREDITS  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

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

STRUCTURES RESEARCH A B E 699Q VAR. CREDITS  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

RESRCH PROCESS ENGR A B E 699R VAR. CREDITS  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

RES ENVIRON&NAT RES A B E 699S VAR. CREDITS  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

RESEARCH WASTE MGT A B E 699U 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 18-AUG 7

FIELD EXP AG INDUST AGEDS 211C 1 CREDIT  
Prereq: AGEDS 110  
7603005 1 ARRANGED  
MEETS: MAY 18-AUG 7

PRESENTN STRATEGIES AGEDS 311 3 CREDITS  
1272005 1 MWF 8:00-9:50  
MEETS: MAY 18-JULY 10

AG MECHAN APPLICATNS AGEDS 388 3 CREDITS  
6067005 1 MWF 8:00-11:50  
MEETS: MAY 18-JULY 10

COOPERATIVE EDUCATN AGEDS 398 R CREDIT  
Prereq: PERMISSION OF THE DEPT COOPERATIVE  
EDUCATION COORDINATOR; JUNIOR CLASSIFICATION  
1356005 1 ARRANGED  
MEETS: MAY 18-AUG 7

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

## AGRICULTURAL EDUCATION &amp; STUDIES (CONTINUED)

FARM MGMT&OPERATION AGEDS 450 3 CREDITS  
Prereq: ECON 235, ECON 230, JUNIOR CLASSIFICATION  
1386005 1 MWF 12:10-4:00  
MEETS: MAY 18-JULY 10

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 128 CREDITS REQUIRED FOR  
GRADUATION  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

IND STU LDRSHP,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 128 CREDITS REQUIRED FOR  
GRADUATION  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

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

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

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

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

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

IND STU COMMUNICATN AGEDS 490I 1- 3 CREDITS  
Prereq: JR/SR CLASSIFICATION, INSTR PERMISSION  
Note: NO MORE THAN 6 CREDITS OF 490 MAY BE APPLIED  
TOWARD THE TOTAL OF 128 CREDITS REQUIRED FOR  
GRADUATION  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

UNDERGRAD RESEARCH AGEDS 499 VAR. CREDITS  
Prereq: PERMISSION OF INSTRUCTOR, ADVISER, &  
DEPARTMENT CHAIR  
Note: Instructor permission required 1st week.  
8361005 1 ARRANGED  
MEETS: MAY 18-AUG 7

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

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

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

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

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

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

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

## AGRICULTURAL EDUCATION &amp; STUDIES (CONTINUED)

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

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

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

SPL TOP PROGRM PLAN AGEDS 590L 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 18-AUG 7  
Note: Tuition Category: Workshop  
1318010 2 ARRANGED  
MEETS: JUNE 15-AUG 7  
Note: SECTION 2 OFFERED FOR 3 CREDITS

CREATIVE COMPONENT AGEDS 599 VAR. CREDITS  
Note: AGEDS 599 SECTION XA IS OFFERED FOR 1-3 CREDITS  
IN SUMMER 2020.  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

PRO INTERNSHP AG ED AGEDS 617 1- 6 CREDITS  
Prereq: PERMISSION OF INSTRUCTOR  
Satisfactory-Fail Only.  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

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

## AGRONOMY

INTRO WEATHER&CLIMT AGRON 206 3 CREDITS  
1397600 XW ARRANGED FLORY D  
MEETS: MAY 18-JULY 10  
Note: Section XW is off campus  
Course delivery is WWW  
Delivery fee \$150.00

GEOSPATIAL TECHNOLG AGRON 270X 3 CREDITS  
0171005 1 ARRANGED  
MEETS: MAY 18-AUG 7

COOPERATIVE EDUCATN AGRON 398 R CREDIT  
Prereq: PERMISSION OF FACULTY MEMBER OR STUDENT'S  
ADVISER; JUNIOR CLASSIFICATION  
Satisfactory-Fail Only.  
1411005 1 ARRANGED  
MEETS: MAY 18-AUG 7

INDEPENDENT STUDY AGRON 490G 1- 3 CREDITS  
Prereq: JR/SR CLASSIF WITH AT LEAST 8 CR IN AGRON  
INSTRUCTOR PERMISN IN SPECIALTY AREA AFTER CONSULTATN  
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

INDEP STUDY HONORS AGRON 490H 1- 3 CREDITS  
Prereq: JR/SR CLASSIF WITH AT LEAST 8 CR IN AGRON  
INSTRUCTOR PERMISN IN SPECIALTY AREA AFTER CONSULTATN  
MEMBERSHIP IN THE HONORS PROGRAM  
Note: RESTRICTED TO HONORS PROGRAM STUDENTS ONLY.  
NO MORE THAN 4 CREDITS OF AGRON 490 MAY BE APPLIED  
TOWARD THE TOTAL OF 128 CREDITS REQ'D FOR GRADUATION.  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

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 2020  
Instructor permission required.  
9369005 1 ARRANGED  
MEETS: MAY 18-AUG 7

COOPERATIVE EDUCATN AGRON 498 R CREDIT  
Prereq: PERMISSION OF FACULTY MEMBER OR STUDENT'S  
ADVISER; SENIOR CLASSIFICATION  
Satisfactory-Fail Only.  
1416005 1 ARRANGED  
MEETS: MAY 18-AUG 7

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



## AGRONOMY

(CONTINUED)

CR COMP AG METEOROL AGRON 599A VAR. CREDITS  
 Prereq: NONTHESIS M.S. OPTION ONLY  
 1472005 1 ARRANGED  
 MEETS: MAY 18-AUG 7

CR COMP CROP PRD&PH AGRON 599B VAR. CREDITS  
 Prereq: NONTHESIS M.S. OPTION ONLY  
 1473005 1 ARRANGED  
 MEETS: MAY 18-AUG 7

CR COMP PLNT BREEDG AGRON 599C VAR. CREDITS  
 Prereq: NONTHESIS M.S. OPTION ONLY  
 1474005 1 ARRANGED  
 MEETS: MAY 18-AUG 7

CRTV COMP SOIL CHEM AGRON 599D VAR. CREDITS  
 Prereq: NONTHESIS M.S. OPTION ONLY  
 1475005 1 ARRANGED  
 MEETS: MAY 18-AUG 7

CR COMP SOIL FERTIL AGRON 599E VAR. CREDITS  
 Prereq: NONTHESIS M.S. OPTION ONLY  
 1476005 1 ARRANGED  
 MEETS: MAY 18-AUG 7

CRTV COMPN SOIL MGT AGRON 599F VAR. CREDITS  
 Prereq: NONTHESIS M.S. OPTION ONLY  
 1477005 1 ARRANGED  
 MEETS: MAY 18-AUG 7

CR COMP SOIL MICROB AGRON 599G VAR. CREDITS  
 Prereq: NONTHESIS M.S. OPTION ONLY  
 1478005 1 ARRANGED  
 MEETS: MAY 18-AUG 7

CR COMP SOIL MOREPHO AGRON 599H VAR. CREDITS  
 Prereq: NONTHESIS M.S. OPTION ONLY  
 1479005 1 ARRANGED  
 MEETS: MAY 18-AUG 7

CR COMP SOIL PHYSCS AGRON 599I VAR. CREDITS  
 Prereq: NONTHESIS M.S. OPTION ONLY  
 1480005 1 ARRANGED  
 MEETS: MAY 18-AUG 7

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

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

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

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

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

RESRCH SOIL FERTILI 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

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

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

RES PLANT PHYSIOLGY 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**

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 2020.  
 NO MORE THAN 6 CREDITS OF AM IN 490 MAY BE APPLIED  
 TOWARD GRADUATION. IF MORE THAN 3 CREDITS IN  
 AM IN 490 ARE TAKEN, THEY MUST BE FROM DIFFERENT  
 INSTRUCTORS.  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

**AMERICAN SIGN LANGUAGE**

AMER SIGN LANGUAG I ASL 101 4 CREDITS  
 Note: Meets U.S. diversity reqmt  
 9364005 1 MTWRF 8:40-11:40  
 MEETS: MAY 18-JUNE 12

**ANIMAL ECOLOGY**

ECOLOGY A ECL 312 4 CREDITS  
 Prereq: BIOL 211L AND BIOL 212L  
 1061005 1 MTWR 9:50-11:05  
 MW 12:10-3:00  
 MEETS: MAY 18-JULY 10  
 Note: Materials, field trips &/or travel fee \$60.00

1061010 2 MTWR 9:50-11:05  
 TR 12:10-3:00  
 MEETS: MAY 18-JULY 10  
 Note: Materials, field trips &/or travel fee \$60.00

ENTOMOLOGY FIELD TR A ECL 435X 2 CREDITS  
 0229005 1 ARRANGED  
 MEETS: JUNE 22-JULY 5  
 Note: OFF CAMPUS FIELD TRIP  
 Field trips & travel fee \$500.00-\$1,000.00

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

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

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

**ANIMAL SCIENCE**

FND EQUINE TRN YRLG 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: JUNE 15-AUG 7

ANIM SCI INTERNSHIP AN S 399A 2- 6 CREDITS  
 Prereq: PERMISSION OF THE INSTRUCTOR  
 1538005 1 ARRANGED  
 MEETS: MAY 18-AUG 7

SUPERV'D INTERNSHIP AN S 399B R CREDIT  
 Prereq: PERMISSION OF INTERNSHIP COORDINATOR  
 2258005 1 ARRANGED  
 MEETS: MAY 18-AUG 7

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

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

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

IND STU CMPANION AN 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

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

## ANIMAL SCIENCE

(CONTINUED)

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

AG DOMESTIC TRAVEL AN S 496B VAR. CREDITS  
Prereq: INSTRUCTOR PERMISSION, 30 COLLEGE CREDITS  
Note: Department permission required.  
1877005 1 ARRANGED  
MEETS: MAY 18-AUG 7  
Note: SEC 1 TRAVEL TO NE, CO, WY, MT. OFFERED FOR 2  
CREDITS SUMMER 2020.

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

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

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

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

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

SPL TOPICS MEAT SCI AN S 590E 1- 3 CREDITS  
Prereq: PERMISSION OF INSTRUCTOR  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

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

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

SPL TOP PROF TOPICS AN S 590K 1- 3 CREDITS  
Prereq: PERMISSION OF INSTRUCTOR  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

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

SPL TOPICS ETHOLOGY AN S 590N 1- 3 CREDITS  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

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

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

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

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

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

ANIMAL BREEDING RES AN S 699A VAR. CREDITS  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

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

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

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

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

## ANIMAL SCIENCE

(CONTINUED)

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

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

POULTRY NUTRI RSRCH AN S 699H VAR. CREDITS  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

ANIM ETHOLOGY RSRCH AN S 699J VAR. CREDITS  
Note: COURSE ONLY OFFERED FOR 1-3 CREDITS SUMMER 2020  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

## ANTHROPOLOGY

TOP LATN AM REGIONL ANTHR 323D 3 CREDITS  
Prereq: ANTHR 201 OR ANTHR 306 RECOMMENDED  
Note: Meets international perspectives reqmt  
3520800 BZ ARRANGED SOMERVILLE A  
MEETS: MAY 11-24  
Note: SEC BZ TAUGHT IN BELIZE. TOPIC: FROM  
JUNGLE TO REEF: THE TROPICAL ECOLOGY, MARINE  
BIOLOGY, & CULTURAL DIVERSITY OF BELIZE.  
STUDY ABROAD SUMMER 2020  
Study Abroad Administrative Fee Applies

INTERNSHIP ARCHAEOLOG ANTHR 434A 2- 6 CREDITS  
Prereq: JUNIOR OR SENIOR STANDING  
Note: NO MORE THAN 6 CREDITS OF INTERNSHIP EXPERIENCE  
MAY COUNT TOWARDS THE MAJOR. NO CREDIT IN ANTHR 434  
MAY BE USED TO SATISFY ANTHR CORE COURSE REQUIREMENTS  
FOR THE MAJOR OR FOR THE ANTHR MINOR.  
Satisfactory-Fail Only.  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

INTERNSHIP CULTRL A ANTHR 434B 2- 6 CREDITS  
Prereq: JUNIOR OR SENIOR STANDING  
Note: NO MORE THAN 6 CREDITS OF INTERNSHIP EXPERIENCE  
MAY COUNT TOWARDS THE MAJOR. NO CREDIT IN ANTHR 434  
MAY BE USED TO SATISFY ANTHR CORE COURSE REQUIREMENTS  
FOR THE MAJOR OR FOR THE ANTHR MINOR.  
Satisfactory-Fail Only.  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

INTERNSHP BIOLOGC A ANTHR 434C 2- 6 CREDITS  
Prereq: JUNIOR OR SENIOR STANDING  
Note: NO MORE THAN 6 CREDITS OF INTERNSHIP EXPERIENCE  
MAY COUNT TOWARDS THE MAJOR. NO CREDIT IN ANTHR 434  
MAY BE USED TO SATISFY ANTHR CORE COURSE REQUIREMENTS  
FOR THE MAJOR OR FOR THE ANTHR MINOR. OFFERED FOR  
3 CREDITS SUMMER 2020.  
Satisfactory-Fail Only.  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

INTERNSHP LINGUIS A ANTHR 434D 2- 6 CREDITS  
Prereq: JUNIOR OR SENIOR STANDING  
Note: NO MORE THAN 6 CREDITS OF INTERNSHIP EXPERIENCE  
MAY COUNT TOWARDS THE MAJOR. NO CREDIT IN ANTHR 434  
MAY BE USED TO SATISFY ANTHR CORE COURSE REQUIREMENTS  
FOR THE MAJOR OR FOR THE ANTHR MINOR.  
Satisfactory-Fail Only.  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

PRACTICM BIOLOGCL A ANTHR 451C 1- 3 CREDITS  
Prereq: 201 OR 202 OR 308  
Note: Instructor permission required.  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

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

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

IND STU BIOL ANTHRO ANTHR 490C 1- 5 CREDITS  
Prereq: 9 CREDITS IN ANTHROPOLOGY  
Note: NO MORE THAN 9 CREDITS OF ANTHR 490 MAY BE  
APPLIED TOWARD GRADUATION  
Instructor permission required 1st week.  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

IND STDY LING ANTHR ANTHR 490D 1- 5 CREDITS  
Prereq: 9 CREDITS IN ANTHROPOLOGY  
Note: NO MORE THAN 9 CREDITS OF ANTHR 490 MAY BE  
APPLIED TOWARD GRADUATION  
Instructor permission required 1st week.  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

## ANTHROPOLOGY

(CONTINUED)

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

UG INDEP STDY IA LL ANTHR 490I 1- 4 CREDITS  
Prereq: JUNIOR OR SENIOR CLASSIFICATION AND PERMISSION OF INSTRUCTOR  
Note: NO MORE THAN 9 CREDITS OF ANTHR 490 MAY BE APPLIED TOWARD GRADUATION  
Permission of Lakeside Lab Office required  
http://www.continuetolearn.uiowa.edu/lakesidelab  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

TOP LATN AM REGIONL ANTHR 523D 3 CREDITS  
Prereq: 6 CREDITS IN ANTHROPOLOGY, 201 OR 306 RECOMMENDED  
Note: Meets international perspectives reqmt  
3818800 BZ ARRANGED SOMERVILLE A  
MEETS: MAY 11-24  
Note: SEC BZ TAUGHT IN BELIZE. TOPIC: FROM JUNGLE TO REEF: THE TROPICAL ECOLOGY, MARINE BIOLOGY, & CULTURAL DIVERSITY OF BELIZE.  
STUDY ABROAD SUMMER 2020  
Study Abroad Administrative Fee Applies

GRAD INDEPNDNT STDY ANTHR 590 1- 4 CREDITS  
Prereq: GRAD CLASSIFICATION, INSTRUCTOR PERMISSN  
Note: Instructor permission required 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:HSPY AESHM 170D 1 CREDIT  
Prereq: ADVISER PERMISSION REQUIRED  
Note: NO MORE THAN 12 CREDITS TOTAL FROM AESHM 170, AESHM 270, AND AESHM 470 MAY BE APPLIED TOWARD GRADUATION  
Instructor permission required.  
Satisfactory-Fail Only.  
1107005 1 ARRANGED  
MEETS: MAY 18-AUG 7

SUPV WRK EXP I:EVNT AESHM 170F 1 CREDIT  
Prereq: ADVISER PERMISSION REQUIRED  
Note: NO MORE THAN 12 CREDITS TOTAL FROM AESHM 170, AESHM 270, AND AESHM 470 MAY BE APPLIED TOWARD GRADUATION  
Instructor permission required.  
Satisfactory-Fail Only.  
1113005 1 ARRANGED  
MEETS: MAY 18-AUG 7

SPV WRK EXP I:APPAR AESHM 170N 1 CREDIT  
Prereq: ADVISER PERMISSION REQUIRED; FRESHMAN CLASSIFICATION  
Note: NO MORE THAN 12 CREDITS TOTAL FROM AESHM 170, AESHM 270, AND AESHM 470 MAY BE APPLIED TOWARD GRADUATION  
Instructor permission required.  
Satisfactory-Fail Only.  
1125005 1 ARRANGED  
MEETS: MAY 18-AUG 7

SUP WRK EXP II:HSPY AESHM 270D 1- 2 CREDITS  
Prereq: 6 CREDITS IN AESHM OR HSP M, CREDITS IN AESHM 170, MINIMUM 2.0 GPA, ADVISER PERMISSION REQUIRED, SOPHOMORE CLASSIFICATION  
Note: NO MORE THAN 12 CREDITS TOTAL FROM AESHM 170, AESHM 270, AND AESHM 470 MAY BE APPLIED TOWARD GRADUATION  
Instructor permission required.  
1132005 1 ARRANGED  
MEETS: MAY 18-AUG 7

SUP WRK EXP II:EVNT AESHM 270F 1- 2 CREDITS  
Prereq: 6 CREDITS IN AESHM OR HSP M OR EVENT; MINIMUM 2.0 GPA; ADVISER PERMISSION REQ'D; EMPLOYER LOCATION SHOULD BE DIFFERENT THAN EMPLOYER LOCATION USED FOR AESHM 170 AND AESHM 470  
Note: NO MORE THAN 12 CREDITS TOTAL FROM AESHM 170, AESHM 270, AND AESHM 470 MAY BE APPLIED TOWARD GRADUATION  
Instructor permission required.  
1203005 1 ARRANGED  
MEETS: MAY 18-AUG 7

## APPAREL, EVENTS &amp; HOSPITALITY MGMT (CONTINUED)

SUP WRK EXP II:APPAR AESHM 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 AESHM 170, AESHM 270, AND AESHM 470 MAY BE APPLIED TOWARD GRADUATION  
Instructor permission required.  
1270005 1 ARRANGED  
MEETS: MAY 18-AUG 7

PRIN MGMT HUMAN SCI AESHM 287 3 CREDITS  
4608005 1 ARRANGED  
MEETS: JUNE 15-AUG 7  
Note: Course delivery is WWW

AESTHTCS CNSMR EXPC AESHM 342 3 CREDITS  
4609005 1 ARRANGED  
MEETS: MAY 18-JULY 10  
Note: Course delivery is WWW

EVNT&RETAIL RSK MGT AESHM 365X 3 CREDITS  
Note: COURSE RESTRICTED TO A M D, EVENT, HSP M MAJORS ONLY  
0257005 1 ARRANGED  
MEETS: MAY 18-JUNE 26  
Note: Course delivery is WWW

U.S. FLD STU:APPARL AESHM 380N 1- 3 CREDITS  
Prereq: 10 CREDITS IN EVENT, AESHM, OR HSP M; SOPHOMORE CLASSIFICATION; MINIMUM 2.0 GPA; PERMISSION BY APPLICATION  
Note: Instructor permission required.  
1663005 1 ARRANGED  
MEETS: JULY 20-AUG 21  
Note: SECTION 1 OFFERED FOR 2 CREDITS  
Field trips & travel fee \$600.00-\$2,000.00

INT'L FLD STU:HSPTY AESHM 381D 1- 3 CREDITS  
Prereq: 9 CREDITS IN AESHM AND/OR HSP M; SOPHOMORE CLASSIFICATION; MINIMUM 2.0 GPA; PERMISSION BY APPLICATION  
Note: Meets international perspectives reqmt  
8774800 TW ARRANGED LEE S  
MEETS: MAY 23-JUNE 1  
Note: SEC TW TAUGHT IN TAIWAN. TOPIC: RESEARCH ABROAD IN ASIA: TAIWAN. STUDY ABROAD SUMMER 2020.  
OFFERED FOR 1 CREDIT  
Study Abroad Administrative Fee Applies

INT'L FLD STU:APPRL AESHM 381N 1- 3 CREDITS  
Prereq: 9 CREDITS IN A M D AND/OR AESHM; SOPHOMORE CLASSIFICATION; MINIMUM 2.0 GPA; PERMISSION BY APPLICATION  
Note: Meets international perspectives reqmt  
1671800 IT ARRANGED SADTLER G  
MEETS: MAY 13-25  
Note: SEC IT TAUGHT IN ITALY. TOPIC: INTERNATIONAL FIELD STUDY: APPAREL, MERCHANDISING & DESIGN  
STUDY ABROAD SUMMER 2020. OFFERED FOR 2 CREDITS  
Study Abroad Administrative Fee Applies

COOPERATIVE EDUCATN AESHM 398 R CREDIT  
Prereq: PERMISSION OF ADVISER; JR CLASSIFICATN  
1002020 D ARRANGED  
MEETS: MAY 18-AUG 7  
Note: SECTION D IS FOR HSP M MAJORS ONLY  
Instructor permission required.  
1002030 F ARRANGED  
MEETS: MAY 18-AUG 7  
Note: SECTION F IS FOR EVENT MAJORS ONLY  
Instructor permission required.  
1002055 N ARRANGED  
MEETS: MAY 18-AUG 7  
Note: SECTION N IS FOR A M D MAJORS ONLY  
Department permission required.

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

INTERNSHIP APPAREL AESHM 470N 3- 6 CREDITS  
Prereq: AESHM 311, 9 CREDITS IN A M D, MINIMUM 2.0 GPA; PERMISSION BY APPLICATION; JUNIOR OR SENIOR CLASSIFICATION; EMPLOYER/LOCATION SHOULD BE DIFFERENT THAN EMPLOYER/LOCATION USED FOR AESHM 170 AND 270  
Note: NO MORE THAN 12 CREDITS TOTAL FROM AESHM 170, AESHM 270, AND AESHM 470 MAY BE APPLIED TOWARD GRADUATION  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

## APPAREL, EVENTS &amp; HOSPITALITY MGMT (CONTINUED)

INDEP STUDY: HONORS AESHM 490H 2- 4 CREDITS

Prereq: PERMISSION OF INSTRUCTOR

Satisfactory-Fail Only

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

PRACTCM APPAR MCHDS AESHM 570A 1- 3 CREDITS

Prereq: 6 GRAD CREDITS IN PROGRAM AREA;

INSTRUCTOR PERMISSION

6660005 1 ARRANGED

MEETS: MAY 18-AUG 7

6660049 SM ARRANGED

MEETS: MAY 18-AUG 7

PRACTCM HSPTLTY MGT AESHM 570B 1- 3 CREDITS

Prereq: 6 GRAD CREDITS IN PROGRAM AREA;

INSTRUCTOR PERMISSION

1509005 1 ARRANGED

MEETS: MAY 18-AUG 7

Note: Instructor permission required.

U.S. FLD STU:APPARL AESHM 580N 1- 3 CREDITS

Prereq: 9 CREDITS AESHM AND/OR A M D;

GRADUATE CLASSIFICATION; MINIMUM 2.0 GPA;

PERMISSION BY APPLICATION

Note: Instructor permission required.

1717005 1 ARRANGED

MEETS: JULY 20-AUG 21

Note: SECTION 1 OFFERED FOR 2 CREDITS

Field trips & travel fee \$600.00-\$2,000.00

INT'L FLD STU:HSPTY AESHM 581D 1- 3 CREDITS

Prereq: 9 CREDITS IN AESHM AND/OR HSP M;

GRAD CLASSIFICATION; PERMISSION BY APPLICATION

Note: Meets international perspectives reqmt

8776800 TW ARRANGED LEE S

MEETS: MAY 23-JUNE 1

Note: SEC TW TAUGHT IN TAIWAN. TOPIC: RESEARCH

ABROAD IN ASIA: TAIWAN. STUDY ABROAD SUMMER 2020.

OFFERED FOR 1 CREDIT

Study Abroad Administrative Fee Applies

INT'L FLD STU:APPRL AESHM 581N 1- 3 CREDITS

Prereq: 9 CREDITS IN A M D AND/OR AESHM;

GRADUATE CLASSIFICATION; PERMISSION BY APPLICATION

Note: Meets international perspectives reqmt

1795800 IT ARRANGED SADTLER G

MEETS: MAY 13-25

Note: SEC IT TAUGHT IN ITALY. TOPIC: INTERNATIONAL

FIELD STUDY: APPAREL, MERCHANDISING & DESIGN

STUDY ABROAD SUMMER 2020. OFFERED FOR 2 CREDITS

Study Abroad Administrative Fee Applies

TCHG PRACTCM APPARL AESHM 670A 1- 3 CREDITS

Prereq: 6 GRADUATE CREDITS IN PROGRAM AREA;

PERMISSION OF INSTRUCTOR

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

TCHG PRCTCM HSPTLTY AESHM 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 1 ARRANGED

MEETS: MAY 18-JUNE 12

Note: Course delivery is WWW

CULTUR PERSPC DRESS A M D 362 3 CREDITS

Prereq: A M D 165 OR 3 CREDITS IN ANTHR, PSYCH,

OR SOC

Note: Meets international perspectives reqmt

6622005 1 ARRANGED

MEETS: JULY 13-AUG 7

Note: Course delivery is WWW

APPARL,MCHDS WRKSHP A M D 393 1- 3 CREDITS

Prereq: JUNIOR OR SENIOR CLASSIFICATION IN A M D,

PERMISSION OF INSTRUCTOR

Note: NO MORE THAN 6 CREDITS IN A M D 393 MAY BE

APPLIED TOWARD GRADUATION

ON-CAMPUS SECTION RESTRICTED TO A M D MAJORS ONLY.

1363005 1 ARRANGED

MEETS: MAY 18-JULY 10

IND STU TXTL&AP DSN A M D 490C VAR. CREDITS

Prereq: 6 CR IN A M D; PERMISSION OF THE

INSTRUCTOR, ADVISER AND DEPARTMENT CHAIR

Note: NO MORE THAN 9 CREDITS TOTAL OF A M D 290 AND

A M D 490 MAY BE APPLIED TOWARD GRADUATION

Instructor permission required.

Materials fee \$25.00-\$50.00

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

## APPAREL, MERCHANDISING, AND DESIGN (CONTINUED)

IND ST ENTREPRENEUR A M D 490E VAR. CREDITS

Prereq: 6 CR IN A M D; PERMISSION OF THE

INSTRUCTOR, ADVISER AND DEPARTMENT CHAIR

Note: COURSE ONLY OFFERED FOR 1-2 CREDITS SUMMER 2020

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 STU PSY OF DRSS A M D 490F VAR. CREDITS

Prereq: 6 CR IN A M D; PERMISSION OF THE

INSTRUCTOR, ADVISER AND DEPARTMENT CHAIR

Note: NO MORE THAN 9 CREDITS TOTAL OF A M D 290 AND

A M D 490 MAY BE APPLIED TOWARD GRADUATION

Instructor permission required.

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

INDEP STUDY HONORS A M D 490H VAR. CREDITS

Prereq: 6 CR IN A M D; PERMISSION OF THE

INSTRUCTOR, ADVISER AND DEPARTMENT CHAIR.

MEMBERSHIP IN THE UNIVERSITY HONORS PROGRAM.

Note: NO MORE THAN 9 CREDITS TOTAL OF A M D 290 AND

A M D 490 MAY BE APPLIED TOWARD GRADUATION. COURSE

RESTRICTED TO UNIVERSITY HONORS PROGRAM MEMBERS ONLY.

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

IND STDY:PROD DEVEL A M D 490J VAR. CREDITS

Prereq: 6 CREDITS IN A M D. PERMISSION OF

THE INSTRUCTOR, ADVISER, AND DEPARTMENT CHAIR.

Note: NO MORE THAN 9 CREDITS TOTAL OF A M D 290 AND

A M D 490 MAY BE APPLIED TOWARD GRADUATION

Instructor permission required.

\*\*\*\*\* 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

DESIGN SEMINAR A M D 528 VAR. CREDITS

Prereq: VARIES WITH TOPIC

Note: COURSE ONLY OFFERED FOR 3 CREDITS SUMMER 2020

5768005 1 MTWRF 8:00-5:00

ARRANGED

MEETS: MAY 18-AUG 7

Note: MEETING FACE TO FACE JUNE 19-25 MTWRF 8AM-5PM.

REST OF TIME IS ARRANGED. OFFERED FOR 3 CREDITS FOR

SUMMER 2020.

SPL TOP TEXTILE SCI A M D 590A VAR. CREDITS

Prereq: PERMISSION OF DIRECTOR OF GRADUATE

EDUCATION, ADVISER, AND INSTRUCTOR(S)

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

SPL TOP TXTL&AP DSN A M D 590C VAR. CREDITS

Prereq: PERMISSION OF DIRECTOR OF GRADUATE

EDUCATION, ADVISER, AND INSTRUCTOR(S)

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

SPL TP MCHDS,ENTREP A M D 590E VAR. CREDITS

Prereq: PERMISSION OF DIRECTOR OF EDUCATION

EDUCATION, ADVISER, AND INSTRUCTOR(S)

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

SPL TOP SOC-PSY ASP A M D 590F VAR. CREDITS

Prereq: PERMISSION OF DIRECTOR OF EDUCATION

EDUCATION, ADVISER, AND INSTRUCTOR(S)

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

SPL TOPC PROD DEVEL A M D 590J VAR. CREDITS

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

CREATIVE COMPONENT A M D 599 VAR. CREDITS

Prereq: 9 GRADUATE CREDITS IN A M D

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

ADVANCED TOPICS A M D 690 VAR. CREDITS

Prereq: ENROLLMENT IN DOCTORAL PROGRAM, PERMISSN

OF INSTRUCTOR, AND APPROVAL OF D.O.G.E.

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

RESEARCH A M D 699 VAR. CREDITS

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

**ARABIC**

INDEPENDENT STUDY ARABC 490 1- 6 CREDITS

Prereq: 6 CREDITS IN ARABC, PERMISSION OF

DEPARTMENT CHAIR

Note: NO MORE THAN 6 CREDITS IN ARABC 490 MAY BE

APPLIED TOWARD GRADUATION

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

**ARCHITECTURE**

IND STDY DSN COMMUN ARCH 490A 1- 9 CREDITS  
Prereq: APPROVL OF INSTR & DEPT CHAIR ON REQ FORM  
Note: Department permission required.  
\*\*\*\*\*  
SEE DEPT FOR REFERENCE NUMBERS

INDEP STUDY DESIGN ARCH 490B 1- 9 CREDITS  
Prereq: APPROVL OF INSTR & DEPT CHAIR ON REQ FORM  
Note: Department permission required.  
\*\*\*\*\*  
SEE DEPT FOR REFERENCE NUMBERS

IND STDY TECHN SYST ARCH 490C 1- 9 CREDITS  
Prereq: APPROVL OF INSTR & DEPT CHAIR ON REQ FORM  
Note: Department permission required.  
\*\*\*\*\*  
SEE DEPT FOR REFERENCE NUMBERS

IND STUDY ARCH HIST ARCH 490D 1- 9 CREDITS  
Prereq: APPROVL OF INSTR & DEPT CHAIR ON REQ FORM  
Note: Department permission required.  
\*\*\*\*\*  
SEE DEPT FOR REFERENCE NUMBERS

IND STUDY BEHAV STD ARCH 490E 1- 9 CREDITS  
Prereq: APPROVL OF INSTR & DEPT CHAIR ON REQ FORM  
Note: Department permission required.  
\*\*\*\*\*  
SEE DEPT FOR REFERENCE NUMBERS

INDEP STDY PRACTICE ARCH 490F 1- 9 CREDITS  
Prereq: APPROVL OF INSTR & DEPT CHAIR ON REQ FORM  
Note: Department permission required.  
\*\*\*\*\*  
SEE DEPT FOR REFERENCE NUMBERS

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

ARC DSIGN&MEDIA III ARCH 507 5 CREDITS  
Prereq: ARCH 506, ARCH 546, ARCH 546L, ARCH 596;  
CONCURRENT ENROLLMENT IN ARCH 581  
1300005 1 T 8:40-12:00  
MWF 8:40-12:00  
MEETS: MAY 18-JULY 10

STDY ABROAD OPTIONS ARCH 576 1-12 CREDITS  
Note: Meets international perspectives reqmt  
8672800 IT ARRANGED HAUPTMANN D  
MEETS: JULY 3-12  
Note: SEC IT TAUGHT IN SANTA MARINELLA, ITALY.  
COLLEGE OF DESIGN SUMMER MORETTI VILLA PROGRAM.  
STUDY ABROAD OFFERED FOR 3 CREDIT SUMMER 2020  
Study Abroad Administrative Fee Applies

MAKING&MATRL PRACTC ARCH 581 5 CREDITS  
Prereq: ARCH 506, ARCH 546, ARCH 546L, ARCH 596  
1719005 1 MTW 1:40-4:00  
R 1:40-5:00  
MEETS: MAY 18-JULY 10

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

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

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

**ART HISTORY**

MUSEUM/GLLRY INTERN ART H 497 1- 6 CREDITS  
Prereq: WRITTEN APPROVAL OF SUPERVISING  
INSTRUCTOR ON REQUIRED FORM IN ADVANCE OF SEMESTER  
OF ENROLLMENT  
Satisfactory-Fail Only.  
\*\*\*\*\*  
SEE DEPT FOR REFERENCE NUMBERS

MUSEUM/GLLRY INTERN ART H 586 1- 6 CREDITS  
Prereq: GRAD CLASSIFICATION AND PERMISSION  
OF INSTRUCTOR. WRITTEN APPROVAL IN ADVANCE OF  
SEMESTER OF ENROLLMENT.  
Satisfactory-Fail Only.  
\*\*\*\*\*  
SEE DEPT FOR REFERENCE NUMBERS

SPECIAL TOPICS ART H 590 VAR. CREDITS  
Prereq: GRADUATE CLASSIFICATION; WRITTEN APPROVAL  
OF INSTRUCTOR AND DEPARTMENT CHAIR ON REQUIRED FORM  
IN ADVANCE OF SEMESTER OF ENROLLMENT.  
\*\*\*\*\*  
SEE DEPT FOR REFERENCE NUMBERS

**ASTRONOMY & ASTROPHYSICS**

NORTH STAR ASTRONMY ASTRO 102 1 CREDIT  
Note: STUDENTS WHO TAKE ASTRO 120 MAY APPLY CREDIT  
IN ONLY ONE OF ASTRO 102 OR 103 TOWARD GRADUATION  
8059600 XW ARRANGED DANILOVIC D  
MEETS: JUNE 15-AUG 7  
Note: Section XW is off campus  
Course delivery is WWW

SKY & SOLAR SYSTEM ASTRO 120 3 CREDITS  
Note: STUDENTS WHO TAKE ASTRO 120 MAY APPLY CREDIT  
IN ONLY ONE OF ASTRO 102 OR 103 TOWARD GRADUATION  
1951005 1 MTWF 9:00-10:00  
R 9:00-10:00  
MEETS: JUNE 15-AUG 7  
1951015 3 MTWF 9:00-10:00  
R 9:00-10:00  
MEETS: JUNE 15-AUG 7

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

UNDERGRAD RESEARCH ASTRO 450 1- 6 CREDITS  
Prereq: PERMISSION OF INSTRUCTOR  
\*\*\*\*\*  
SEE DEPT FOR REFERENCE NUMBERS

UNDERGRAD RESEARCH ASTRO 450L 1- 6 CREDITS  
Prereq: 344L AND PERMISSION OF INSTRUCTOR  
\*\*\*\*\*  
SEE DEPT FOR REFERENCE NUMBERS

INDEPENDENT STUDY ASTRO 490 1- 4 CREDITS  
Prereq: PERMISSION OF INSTRUCTOR  
Note: NO MORE THAN 9 CREDITS OF ASTRO 490 MAY BE  
APPLIED TOWARD GRADUATION  
\*\*\*\*\*  
SEE DEPT FOR REFERENCE NUMBERS

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

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

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

**ATHLETIC TRAINING**

CL EDUC STDY ABROAD A TR 549B 2 CREDITS  
Prereq: ACCEPTED TO STUDY ABROAD BY THE A TR  
PROGRAM DIRECTOR AND PASSING A TR 549AX  
Note: Meets international perspectives reqmt  
0587800 IT ARRANGED MEIER M  
MEETS: MAY 27-JUNE 8  
Note: SEC IT TAUGHT IN ITALY & GREECE. TOPIC:  
EXPERIENCE HISTORICAL ITAL & GREECE-ORIGINS  
OF SPORT & ATHLETIC TRAINING. STUDY ABROAD SUMMER  
2020. OFFERED FOR 2 CREDITS.  
Study Abroad Administrative Fee Applies

**BIOCHEM, BIOPHYSICS & MOLECULAR BIO**

SURVEY OF BIOCHEM BBMB 301 3 CREDITS  
Prereq: CHEM 231 OR CHEM 331  
Note: AGBIO, BIOCHEMISTRY OR BIOPHYSICS MAJORS MAY NOT  
APPLY CREDIT FOR BBMB 301 TOWARD DEGREE REQUIREMENTS  
FOR THE MAJOR BUT IT IS ACCEPTABLE AS AN ELECTIVE.  
CREDIT IN ONLY ONE OF THE FOLLOWING COURSES  
MAY BE APPLIED TOWARD GRADUATION: BBMB 301,  
BBMB 303X, BBMB 316.  
1999005 1 MTWRF 9:50-11:05  
MEETS: MAY 18-JULY 10

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  
TOWARD GRADUATION  
\*\*\*\*\*  
SEE DEPT FOR REFERENCE NUMBERS

INDEP STUDY HONORS BBMB 490H 1- 3 CREDITS  
Prereq: MEMBERSHIP IN UNIV HONORS PROGRAM  
INSTRUCTOR PERMISSION; COLLEGE OF AGRICULTURE:  
JUNIOR OR SENIOR CLASSIFICATION  
Note: NO MORE THAN 9 CREDITS OF BBMB 490 MAY BE APPLIED  
TOWARD GRADUATION  
\*\*\*\*\*  
SEE DEPT FOR REFERENCE NUMBERS

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

## BIOCHEM, BIOPHYSICS &amp; MOLECULAR BIO (CONTINUED)

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

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

**BIOINFORMATICS&COMPUTATIONAL BIOL-UG**

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 TOWARD GRADUATION  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

**BIOINFORMATICS AND COMPUTATIONAL BIOL**

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

COOPERATIVE EDUCATN BCB 598 R CREDIT  
 Prereq: PERMISSION OF THE PROGRAM CHAIR  
 1828005 1 ARRANGED  
 MEETS: MAY 18-AUG 7

GRAD RESEARCH ROTAT BCB 697 VAR. CREDITS  
 7827005 1 ARRANGED  
 MEETS: MAY 18-AUG 7

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 REQ'D FORM IN ADVANCE OF SEMESTER OF ENROLMT  
 \*\*\*\*\* 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**

HUMAN BIOLOGY BIOL 155 3 CREDITS  
 Note: CREDIT IN BIOL 155 MAY NOT BE APPLIED  
 TOWARD BIOLOGY MAJOR GRADUATION REQUIREMENTS  
 7079600 XW ARRANGED BASTAWROS H  
 MEETS: MAY 18-AUG 7  
 Note: Section XW is off campus  
 Course delivery is WWW  
 Delivery fee \$150.00

ENVIRONMNTL BIOLOGY BIOL 173 3 CREDITS  
 Note: CREDIT IN BIOL 173 MAY NOT BE APPLIED  
 TOWARD BIOLOGY MAJOR GRADUATION REQUIREMENTS  
 2015600 XW ARRANGED PLEASANTS J  
 MEETS: MAY 18-AUG 7  
 Note: Section XW is off campus  
 Course delivery is WWW  
 Delivery fee \$150.00

PRIN OF BIOLOGY I BIOL 211 3 CREDITS  
 Prereq: HIGH SCHOOL BIOLOGY  
 9468005 1 MTWRF 9:50-11:50  
 MEETS: MAY 18-JUNE 12  
 9468010 2 MTWRF 12:10-2:10  
 MEETS: JULY 13-AUG 7  
 9468600 XW ARRANGED PLEASANTS J  
 MEETS: MAY 18-AUG 7  
 Note: Section XW is off campus  
 Course delivery is WWW  
 Delivery fee \$150.00

PRIN OF BIOLOGY II BIOL 212 3 CREDITS  
 Prereq: HIGH SCHOOL BIOLOGY; H.S. CHEMISTRY OR  
 CREDIT OR ENROLLMENT IN CHEM 163 OR CHEM 177  
 9469600 XW ARRANGED KUKDAY S  
 MEETS: JUNE 15-AUG 7  
 Note: Section XW is off campus  
 Course delivery is WWW  
 Delivery fee \$150.00

FUND HUMAN ANATOMY BIOL 255 3 CREDITS  
 Prereq: HS BIOLOGY AND CHEMISTRY, OR BIOL 101.  
 Note: CREDIT IN BIOL 255 MAY NOT BE APPLIED  
 TOWARD BIOLOGY MAJOR GRADUATION REQUIREMENTS  
 7205005 1 ARRANGED  
 MEETS: MAY 18-AUG 7  
 Note: Course delivery is WWW

## BIOLOGY (CONTINUED)

ECOLOGY BIOL 312 4 CREDITS  
 Prereq: BIOL 211, BIOL 211L, BIOL 212, BIOL 212L  
 2069005 1 MTWR 9:50-11:05  
 MW 12:10-3:00  
 MEETS: MAY 18-JULY 10  
 2069010 2 MTWR 9:50-11:05  
 TR 12:10-3:00  
 MEETS: MAY 18-JULY 10

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 TOWARD GRADUATION: GEN 260, GEN/BIOL 313/301  
 AND 313L/301L, GEN/AGRON 320  
 9472600 XW ARRANGED BOURY N  
 MEETS: MAY 18-AUG 7  
 Note: Section XW is off campus  
 Course delivery is WWW  
 Delivery fee \$150.00

BIOLOGICAL EVOLUTN BIOL 315 3 CREDITS  
 Prereq: BIOL 211, BIOL 211L, BIOL 212, BIOL 212L.  
 5604600 XW ARRANGED  
 MEETS: MAY 18-AUG 7  
 Note: Section XW is off campus  
 Course delivery is WWW  
 Delivery fee \$150.00

ECO&ENVIRON SCI GIS BIOL 370 1- 6 CREDITS  
 Prereq: 6 CREDITS IN BIOLOGICAL AND/OR PHYSICAL  
 SCIENCES; PERMISSION OF INSTRUCTOR  
 Satisfactory-Fail Only.  
 9445005 1 ARRANGED  
 MEETS: MAY 18-AUG 7  
 9445010 2 ARRANGED  
 MEETS: MAY 18-AUG 7

INTERNAT FIELD TRIP BIOL 394B 1- 3 CREDITS  
 Prereq: TWO COURSES IN THE BIOLOGICAL SCIENCES  
 AND BY APPROVAL OF APPLICATION  
 Note: PERMISSION OF INSTRUCTOR REQUIRED TO ADD.  
 PROCESS APPROVED ADD SLIP IN 10 ENRL SC.  
 Meets international perspectives reqmt  
 3223800 BZ ARRANGED MOST C  
 MEETS: MAY 11-24  
 Note: SEC BZ TAUGHT IN BELIZE. TOPIC: FROM  
 JUNGLE TO REEF: THE TROPICAL ECOLOGY, MARINE  
 BIOLOGY, & CULTURAL DIVERSITY OF BELIZE.  
 STUDY ABROAD SUMMER 2020  
 Study Abroad Administrative Fee Applies

INDEPENDENT STUDY BIOL 490 1- 6 CREDITS  
 Note: NO MORE THAN 9 CREDITS IN BIOL 490 MAY BE APPLIED  
 TOWARD GRADUATION AND OF THOSE ONLY 2 CREDITS MAY BE  
 APPLIED TO THE BIOLOGY ADVANCED COURSE REQUIREMENT  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

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

UG TEACHNG EXPERNCE BIOL 491 1- 2 CREDITS  
 Prereq: PERMISSION OF SUPERVISING STAFF  
 Note: NO MORE THAN 2 CREDITS IN BIOL 491 MAY BE  
 APPLIED TOWARD BIOLOGY ADVANCED COURSE DEGREE  
 REQUIREMENTS  
 Satisfactory-Fail Only.  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

BIOLOGY INTERNSHIP BIOL 494 1- 3 CREDITS  
 Prereq: 8 CREDITS IN BIOLOGY, INSTRUCTOR PERMISSN  
 Note: NO MORE THAN 9 CREDITS IN BIOL 494 MAY BE  
 APPLIED TOWARD GRADUATION AND OF THOSE ONLY 6 CREDITS  
 MAY BE APPLIED TOWARD THE BIOL ADVANCED COURSE  
 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

COOPERATIVE EDUC BIOL 498 R CREDIT  
 Prereq: PERMISSION OF THE BIOLOGY PROGRAM  
 COOPERATIVE EDUCATION COORDINATOR  
 4546005 1 ARRANGED  
 MEETS: MAY 18-AUG 7

UG RESEARCH EXPRNCE BIOL 499 1- 6 CREDITS  
 Prereq: PERMISSION OF INSTRUCTOR  
 Note: NO MORE THAN 9 CREDITS IN BIOL 499 MAY BE APPLIED  
 TOWARD GRADUATION AND OF THOSE ONLY 6 CREDITS MAY BE  
 APPLIED TOWARD THE BIOLOGY ADVANCED COURSE REQUIREMNT  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

**BIOMEDICAL ENGINEERING**

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

**BIOMEDICAL SCIENCES**

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

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

INT'L PRECEPTORSHIP B M S 496 1-12 CREDITS  
 Prereq: CLASSIFICATION IN VET MED OR PERMISSION  
 OF INSTRUCTOR  
 6973805 S2 ARRANGED  
 MEETS: MAY 18-AUG 7

RES MTHD BIOMED SCI B M S 501 3 CREDITS  
 Prereq: GRADUATE CLASSIFICATION, PERMISSION OF A  
 B M S FACULTY MEMBER  
 6978005 1 ARRANGED  
 MEETS: MAY 18-AUG 7

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

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

SPL TOPIC PHARMACOL B M S 590C 1- 7 CREDITS  
 Prereq: PERMISSION OF INSTRUCTOR  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

SPL TOPCS CELL BIOL B M S 590D 1- 7 CREDITS  
 Prereq: PERMISSION OF INSTRUCTOR  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

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

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

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

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

SEMINAR B M S 698B 1 CREDIT  
 Prereq: ENROLLMENT IN B M S GRADUATE PROGRAM  
 Satisfactory-Fail Only.  
 6995005 1 ARRANGED  
 MEETS: MAY 18-JULY 10

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

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

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

**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**

INTRO TO BUSINESS BUSAD 250 3 CREDITS  
 Prereq: COM S 113  
 8807005 A1 MTWRF 12:10-2:10  
 MEETS: MAY 18-JUNE 12

Note: SECTION A1 RESTRICTED TO BUSINESS COLLEGE  
 UNDERGRADS ONLY

8807010 A2 MTWRF 12:10-2:10  
 MEETS: MAY 18-JUNE 12

Note: SECTION A2 RESTRICTED TO UNDERGRADS IN  
 COLLEGES OTHER THAN BUSINESS

EXP DOMESTIC INTERNS BUSAD 391A 1 CREDIT  
 Prereq: 12 CREDITS FROM COLLEGE OF BUSINESS;  
 WRITTEN APPROVAL OF CAREER SERVICES INTERNSHIP  
 COORDINATOR ON REQUIRED FORM PRIOR TO THE LEARNING  
 EXPERIENCE

Note: Instructor permission required.  
 Satisfactory-Fail Only.

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

EXP INT'L INTERNSHP BUSAD 391B 1 CREDIT  
 Prereq: 12 CREDITS FROM COLLEGE OF BUSINESS;  
 WRITTEN APPROVAL OF CAREER SERVICES INTERNSHIP  
 COORDINATOR ON REQUIRED FORM PRIOR TO THE LEARNING  
 EXPERIENCE

Note: Instructor permission required.  
 Satisfactory-Fail Only.

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

EXPERIENTIAL LEARNG BUSAD 391E 1 CREDIT  
 Prereq: 12 CREDITS FROM COLLEGE OF BUSINESS;  
 WRITTEN APPROVAL OF CAREER SERVICES INTERNSHIP  
 COORDINATOR ON REQUIRED FORM PRIOR TO THE LEARNING  
 EXPERIENCE

Note: Department permission required.

7515005 1 ARRANGED  
 MEETS: AUG 9-13

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 18-AUG 7

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 2020  
 Instructor permission required.

3635005 1 ARRANGED  
 MEETS: MAY 18-AUG 7

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 18-AUG 7

INDEP 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

PRO EXPERIENTL LRNG BUSAD 591 1- 3 CREDITS  
 Prereq: GRADUATE STANDING; WRITTEN APPROVAL OF  
 SUPERVISING INSTRUCTOR AND DEPARTMENT CHAIR ON  
 REQUIRED FORM PRIOR TO THE LEARNING EXPERIENCE

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

COOPERATIVE EDUCATN BUSAD 598 R CREDIT  
 Prereq: PERMISSION OF INSTRUCTOR  
 Note: Instructor permission required.  
 Satisfactory-Fail Only.

7906005 1 ARRANGED  
 MEETS: MAY 18-AUG 7

CREATIV COMP ACCNTG BUSAD 599A 3 CREDITS  
 Prereq: GRAD CLASSIF, PERMSN OF SUPERV COMM CHAIR  
 Note: RESTRICTED TO BUSINESS COLLEGE GRADUATE STUDENTS

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

CREATIV COMP FINANC BUSAD 599C 3 CREDITS  
 Prereq: GRAD CLASSIF, PERMSN OF SUPERV COMM CHAIR  
 Note: RESTRICTED TO BUSINESS COLLEGE GRADUATE STUDENTS

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

CREATIV COMP MANAGMT BUSAD 599E 3 CREDITS  
 Prereq: GRAD CLASSIF, PERMSN OF SUPERV COMM CHAIR  
 Note: RESTRICTED TO BUSINESS COLLEGE GRADUATE STUDENTS

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



## BUSINESS ADMINISTRATION

(CONTINUED)

CREATV COMP MARKTNG BUSAD 599F 3 CREDITS  
Prereq: GRAD CLASSIF, PERMSN OF SUPERV COMM CHAIR  
Note: RESTRICTED TO BUSINESS COLLEGE GRADUATE STUDENTS  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

CRTV CMP MGT INF SY BUSAD 599K 3 CREDITS  
Prereq: GRAD CLASSIF, PERMSN OF SUPERV COMM CHAIR  
Note: RESTRICTED TO BUSINESS COLLEGE GRADUATE STUDENTS  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

CREATV COMPONEN SCM BUSAD 599L 3 CREDITS  
Prereq: GRAD CLASSIF, PERMSN OF SUPERV COMM CHAIR  
Note: RESTRICTED TO BUSINESS COLLEGE GRADUATE STUDENTS  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

RESEARCH BUSAD 699 3- 6 CREDITS  
Prereq: GRAD CLASSIF, PERMISSION OF MAJOR PROF  
Note: RESTRICTED TO BUSINESS COLLEGE GRADUATE STUDENTS  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

## CHEMISTRY

GENERAL CHEMISTRY I CHEM 177 4 CREDITS  
Prereq: MATH 140 OR H.S. EQUIVALENT, CHEM 50 OR  
1 YR H.S. CHEM, CR OR ENROLLMENT IN CHEM 177L.  
CHEM AND BIOCHEM MAJORS MAY CONSIDER TAKING 201.  
Note: CREDIT FOR ONLY ONE OF THE FOLLOWING COURSES  
(AND ACCOMPANYING LAB) MAY BE APPLIED TOWARD  
GRADUATION: CHEM 163, CHEM 167, CHEM 177, CHEM 201  
2495005 1 MTWRF 9:50-10:50  
TR 11:00-12:00  
MEETS: MAY 18-JULY 10  
Section info: <http://courses.chem.iastate.edu/>

LAB GENERAL CHEM I CHEM 177L 1 CREDIT  
Prereq: CREDIT OR ENROLLMENT IN 177  
Note: CHEM 177L MUST BE ACCOMPANIED BY CHEM 177 UNLESS  
STUDENT ALREADY HAS CREDIT IN 177. CREDIT FOR ONLY  
ONE OF THE FOLLOWING COURSES MAY BE APPLIED TOWARD  
GRADUATION: CHEM 163L, CHEM 167L, CHEM 177L,  
CHEM 177N, CHEM 201L.  
2496005 1 MW 11:00-2:00  
MEETS: MAY 18-JULY 10  
Section info: <http://courses.chem.iastate.edu/>  
2496010 2 TR 12:10-3:10  
MEETS: MAY 18-JULY 10  
Section info: <http://courses.chem.iastate.edu/>

GENERAL CHEMISTRY II CHEM 178 3 CREDITS  
Prereq: CHEM 177, CHEM 177L  
Note: TESTOUT NOT AVAILABLE TO STUDENTS ALSO REGISTERED  
2499005 1 MTWR 11:00-12:00  
F 11:00-12:00  
MEETS: MAY 18-JULY 10  
Section info: <http://courses.chem.iastate.edu/>

LAB GENERAL CHEM II CHEM 178L 1 CREDIT  
Prereq: CHEM 177L AND CREDIT OR ENROLLMENT  
IN CHEM 178  
2500005 1 TR 12:10-3:10  
MEETS: MAY 18-JULY 10  
Section info: <http://courses.chem.iastate.edu/>  
2500010 2 MW 12:10-3:10  
MEETS: MAY 18-JULY 10  
Section info: <http://courses.chem.iastate.edu/>

ELEM ORGANIC CHEM CHEM 231 3 CREDITS  
Prereq: 163,163L, OR 177,177L; CR OR ENR IN 231L  
Note: CREDIT FOR EITHER CHEM 231 OR BBMB 221, BUT NOT  
BOTH, MAY BE APPLIED TOWARD GRADUATION. CREDIT FOR  
EITHER CHEM 231 (AND 231L) OR CHEM 331 (AND 331L),  
BUT NOT BOTH, MAY BE APPLIED TOWARD GRADUATION.  
2504005 1 MTWRF 8:40-9:40  
MEETS: MAY 18-JULY 10

ELEM ORGNC CHEM LAB CHEM 231L 1 CREDIT  
Prereq: CREDIT OR ENROLLMENT FOR CREDIT IN 231;  
163L OR 177L  
Note: CREDIT FOR EITHER CHEM 331L OR CHEM 231L,  
BUT NOT BOTH, MAY BE APPLIED TOWARD GRADUATION.  
CREDIT FOR EITHER CHEM 231L OR CHEM 331L, BUT NOT  
BOTH, MAY BE APPLIED TOWARD GRADUATION.  
7900005 1 MW 9:50-12:50  
MEETS: MAY 18-JULY 10  
Section info: <http://courses.chem.iastate.edu/>  
7900010 2 MW 1:20-4:20  
MEETS: MAY 18-JULY 10  
Section info: <http://courses.chem.iastate.edu/>

FRESH&SOPH RESEARCH CHEM 299 VAR. CREDITS  
Prereq: PERMISSION OF STAFF MEMBER WITH WHOM  
STUDENT PROPOSES TO WORK  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

ORGANIC CHEMISTRY I CHEM 331 3 CREDITS  
Prereq: CHEM 178 OR CHEM 201, ENROLLMENT IN CHEM  
331L HIGHLY RECOMMENDED  
Note: CREDIT FOR EITHER CHEM 331 (AND 331L) OR  
CHEM 231 (AND 231L), BUT NOT BOTH, MAY BE APPLIED  
TOWARD GRADUATION  
2516005 1 MTWRF 8:40-9:40  
MEETS: MAY 18-JULY 10

LAB ORGANIC CHEM I CHEM 331L 1 CREDIT  
Prereq: CHEM 177L; CR OR ENROLLMENT IN CHEM 331  
Note: CREDIT FOR EITHER CHEM 331L OR CHEM 231L,  
BUT NOT BOTH, MAY BE APPLIED TOWARD GRADUATION  
5270005 1 MW 9:50-12:50  
MEETS: MAY 18-JULY 10  
Section info: <http://courses.chem.iastate.edu/>  
5270010 2 TR 9:50-12:50  
MEETS: MAY 18-JULY 10  
Section info: <http://courses.chem.iastate.edu/>

## CHEMICAL ENGINEERING

CHEMICAL ENGR LAB I CH E 325 2 CREDITS  
Prereq: CH E 357, CH E 381; CREDIT OR ENROLLMENT  
IN ENGL 314 OR ENGL 309 OR ENGL 312 OR JL MC 347  
Note: Instructor permission required 1st week.  
5699005 1 MTWR 9:00-12:00  
MTWR 1:00-5:00  
MEETS: MAY 18-JUNE 12

FOREIGN STUDY PROG CH E 392 4 CREDITS  
Prereq: CH E 358, CHE 382, CH E 391  
Note: CREDIT FOR GRADUATION FOR 391 ALLOWABLE ONLY UPON  
COMPLETION OF CH E 392  
Meets international perspectives reqmt  
Instructor permission required 1st week.  
2441800 SP ARRANGED LOVELAND S  
MEETS: MAY 25-JUNE 26  
Note: SEC SP TAUGHT IN SPAIN. TOPIC: INTERNATIONAL  
SUMMER COURSE IN CHEMICAL ENGINEERING 2020.  
STUDY ABROAD SUMMER 2020  
Study Abroad Administrative Fee Applies

SUMMER INTERNSHIP CH E 396 R CREDIT  
Prereq: PERMISSION OF DEPARTMENT EACH TIME TAKEN  
Satisfactory-Fail Only.  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

CHEMICAL ENGR LAB II CH E 426 2 CREDITS  
Prereq: CH E 325, CH E 358, CH E 382  
Note: CREDIT FOR EITHER CH E 426 OR CH E 427,  
BUT NOT BOTH, MAY BE APPLIED TOWARD GRADUATION.  
RESTRICTED TO CH E SENIORS GRADUATING SUMMER 2020.  
Instructor permission required 1st week.  
2448005 1 MTWR 9:00-12:00  
MTWR 1:00-5:00  
MEETS: MAY 18-JUNE 12

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

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

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

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

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

ENGINEER INTERNSHIP CH E 697 R CREDIT  
Prereq: PERMISSION OF MAJOR PROF, GRAD CLASSIF  
2116005 1 ARRANGED  
MEETS: MAY 18-AUG 7

TCHG PRACTICM:EXPRC CH E 698B 1 CREDIT  
Prereq: CH E 698A  
Satisfactory-Fail Only.  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

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

## CHEMISTRY (CONTINUED)

ORGANIC CHEMISTRY II CHEM 332 3 CREDITS  
Prereq: CHEM 331. ENROLLMENT IN CHEM 332L HIGHLY RECOMMENDED.  
2517005 1 MTWRF 12:10-1:10  
MEETS: MAY 18-JULY 10

LAB ORGANIC CHEM II CHEM 332L 1 CREDIT  
Prereq: CHEM 331L, CR OR ENROLLMENT IN CHEM 332  
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 18-JULY 10  
Section info: http://courses.chem.iastate.edu/  
5272010 2 TR 1:20-4:20  
MEETS: MAY 18-JULY 10  
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 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 COOPERATIVE EDUCATION COORDINATOR; SENIOR CLASSIFICATION  
4841005 1 ARRANGED  
MEETS: MAY 18-AUG 7

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

SEMINR INORGNC CHEM CHEM 600 1 CREDIT  
Prereq: PERMISSION OF INSTRUCTOR  
2563005 1 ARRANGED  
MEETS: MAY 18-AUG 7

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

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

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

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

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

SPL TOP ADV BLDG CN C E 594L 3 CREDITS  
Prereq: CON E 352 OR C E 306 OR GRADUATE STANDING OR PERMISSION OF INSTRUCTOR  
Note: COURSE ONLY OFFERED FOR 3 CREDITS SUMMER 2020  
2186005 1 TR 1:40-4:40  
MEETS: MAY 18-JULY 10  
2186600 XW ARRANGED PERKINS B  
MEETS: MAY 18-JULY 10  
Note: Section XW is off campus  
Course delivery is WWW  
Delivery fee \$570.00

## CIVIL ENGINEERING (CONTINUED)

CREATIVE COMPONENT C E 599 1- 3 CREDITS  
\*\*\*\*\* 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 COOP ADVISER, GRAD CLASSIF  
Note: Department permission required.  
Satisfactory-Fail Only.  
7416005 1 ARRANGED  
MEETS: MAY 18-AUG 7

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

## CLASSICAL STUDIES

GREEK & ROMAN MYTHOL CL ST 273 3 CREDITS  
Note: Meets international perspectives reqmt  
2586600 XW ARRANGED  
MEETS: JUNE 15-AUG 7  
Note: Section XW is off campus  
Course delivery is WWW  
Delivery fee \$150.00

ANCIENT EGYPT CL ST 369X 3 CREDITS  
Note: Meets international perspectives reqmt  
0355600 XW ARRANGED  
MEETS: MAY 18-JULY 10  
Note: Section XW is off campus  
Course delivery is WWW  
Delivery fee \$150.00

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

## COMMUNICATION DISORDERS

COMMUNICAT WITH DEAF CMDIS 286 3 CREDITS  
Note: Meets U.S. diversity reqmt  
2612600 XW ARRANGED VENKATAGIRI H  
MEETS: MAY 18-JULY 10  
Note: Section XW is off campus  
Course delivery is WWW  
Delivery fee \$150.00

LANG&RDG DEVEL CHLD CMDIS 471 3 CREDITS  
Prereq: 275 OR PSYCH 230 OR ENGL 219  
2618600 XW ARRANGED VENKATAGIRI H  
MEETS: MAY 18-JULY 10  
Note: Section XW is off campus  
Course delivery is WWW  
Delivery fee \$150.00

## COMMUNICATION STUDIES

INTRO COMMUNIC STDI COMST 101 3 CREDITS  
7918005 1 MTWRF 1:20-3:20  
MEETS: JUNE 15-JULY 10

LDRSH COMMUN THEOR COMST 313 3 CREDITS  
Prereq: COMST 102, COMST 203, COMST 301  
4305005 1 MTWRF 2:30-4:30  
MEETS: MAY 18-JUNE 12

INDEPENDENT STUDY COMST 490 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  
Note: Instructor permission required.  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

SPECIAL TOPICS COMST 590 1- 4 CREDITS  
Note: Instructor permission required.  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

## COMMUNITY &amp; 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 18-AUG 7

## COMMUNITY &amp; REGIONAL PLANNING (CONTINUED)

PRO WORK EXPERIENCE C R P 410 R CREDIT  
Prereq: PERMISSION OF DEPARTMENT CHAIR  
2710005 1 ARRANGED  
MEETS: MAY 18-AUG 7

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.  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

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.  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

PRO WORK EXPERIENCE C R P 510 R CREDIT  
Prereq: PERMISSION OF DEPARTMENT CHAIR  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

PRACTICUM C R P 530 1- 3 CREDITS  
Prereq: GRADUATE CLASSIFICATION IN C R P  
Satisfactory-Fail Only.  
2405005 1 ARRANGED  
MEETS: MAY 18-AUG 7

INTRO GEOG INFO SYS C R P 551 3 CREDITS  
1985005 1 ARRANGED  
MEETS: JUNE 15-AUG 7  
Note: Course delivery is WWW

SPL TP PLAN 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.  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

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.  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

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.  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

SPL TOP HOUS&URB RV C R P 590D 1- 3 CREDITS  
Prereq: GRAD CLASSIFICATION AND WRITTEN APPROVAL  
OF INSTRUCTOR AND DEPARTMENT CHAIR ON REQUIRED FORM  
Note: Instructor permission required 1st week.  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

SPL TOP ENVIRN PLAN C R P 590H 1- 3 CREDITS  
Prereq: GRAD CLASSIFICATION AND WRITTEN APPROVAL  
OF INSTRUCTOR AND DEPARTMENT CHAIR ON REQUIRED FORM  
Note: Instructor permission required 1st week.  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

SP TOP TRANSPRTN PL C R P 590I 1- 3 CREDITS  
Prereq: GRAD CLASSIFICATION AND WRITTEN APPROVAL  
OF INSTRUCTOR AND DEPARTMENT CHAIR ON REQUIRED FORM  
Note: Instructor permission required 1st week.  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

SPL TOPC INT'L PLAN C R P 590N 1- 3 CREDITS  
Prereq: GRAD CLASSIFICATION AND WRITTEN APPROVAL  
OF INSTRUCTOR AND DEPARTMENT CHAIR ON REQUIRED FORM  
Note: Instructor permission required 1st week.  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

SPL TP SPATL AN MTH C R P 590O 1- 3 CREDITS  
Prereq: GRAD CLASSIFICATION AND WRITTEN APPROVAL  
OF INSTRUCTOR AND DEPARTMENT CHAIR ON REQUIRED FORM  
Note: Instructor permission required 1st week.  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

SPL TP SM TOWN PLAN C R P 590P 1- 3 CREDITS  
Prereq: GRAD CLASSIFICATION AND WRITTEN APPROVAL  
OF INSTRUCTOR AND DEPARTMENT CHAIR ON REQUIRED FORM  
Note: Instructor permission required 1st week.  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

SPL TP DIVRS&EQ PLN 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.  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

## COMMUNITY &amp; 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.  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

PRO PLANNING REPORT C R P 599 VAR. CREDITS  
Satisfactory-Fail Only.  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

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

## COMPUTER ENGINEERING

DIG LOGC,PROCSR,P I CPR E 281 4 CREDITS  
Prereq: SOPHOMORE CLASSIFICATION  
7321005 1 MTWRF 11:00-12:00  
TR 2:30-5:30  
MEETS: MAY 18-JULY 10

7321010 2 MTWRF 11:00-12:00  
MW 2:30-5:30  
MEETS: MAY 18-JULY 10

EMBEDDE SYS I:INTRO CPR E 288 4 CREDITS  
Prereq: CPR E 281, COM S 207 OR 227 OR E E 285  
3364005 1 MTWRF 8:40-9:40  
TR 12:10-2:10  
MEETS: MAY 18-JULY 10

3364010 2 MTWRF 8:40-9:40  
MW 12:10-2:10  
MEETS: MAY 18-JULY 10

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

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

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

HONORS INDEP STUDY CPR E 490H VAR. CREDITS  
Prereq: SENIOR CLASSIFICATION IN COMPUTER ENGR  
MEMBERSHIP IN UNIV HONORS PROGRAM  
Note: COURSE RESTRICTED TO HONORS PROGRAM STUDENTS ONLY  
Department permission required 1st week.  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

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

INDEPENDENT STUDY CPR E 595X 1- 3 CREDITS  
Satisfactory-Fail Only.  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

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

ENGINEERG INTERNSHP CPR E 697 R CREDIT  
Satisfactory-Fail Only.  
7420005 1 ARRANGED  
MEETS: MAY 18-AUG 7  
Note: Department permission required.

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

## COMPUTER SCIENCE

CMPTR LITERACY&APPL 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 15-AUG 7  
Note: Course delivery is WWW

2673600 XW ARRANGED  
MEETS: JUNE 15-AUG 7  
Note: Section XW is off campus  
Course delivery is WWW  
Delivery fee \$200.00

INTRO SPRDSH&DATABS COM S 113 3 CREDITS  
Note: COM S, S E, AND CPR E MAJORS MAY NOT APPLY CREDIT  
FOR COM S 113 TOWARD GRADUATION.  
7761005 1 MW 12:10-2:00  
TR 12:10-2:00  
MEETS: JUNE 15-AUG 7

## COMPUTER SCIENCE

(CONTINUED)

OBJT-ORIEN PROGRAMG COM S 227 4 CREDITS  
Prereq: CREDIT OR ENROLLMENT IN MATH 143 OR  
HIGHER; RECOMMENDED: A PREVIOUS HIGH SCHOOL OR  
COLLEGE COURSE IN PROGRAMMING OR EQUIVALENT EXPERIENC  
Note: CREDIT FOR EITHER COM S 227 OR COM S 207, BUT  
NOT BOTH, MAY BE APPLIED TOWARD GRADUATION  
9237005 1 MTWRF 9:50-10:50  
MTWR 1:20-2:20  
MEETS: MAY 18-JULY 10

INTRO DATA STRUCTUR COM S 228 3 CREDITS  
Prereq: C- OR BETTER IN 227, CREDIT OR ENROLLMENT  
IN MATH 165  
9238005 1 MTWRF 11:00-12:00  
MW 2:30-3:30  
MEETS: MAY 18-JULY 10

DISCRETE CMP STRUCT COM S 230 3 CREDITS  
Prereq: C- OR BETTER IN COM S 227 AND MATH 165;  
ENGL 150  
4005005 1 MTWRF 8:40-9:40  
MW 11:00-12:00  
MEETS: JUNE 15-AUG 7  
4005010 2 MTWRF 8:40-9:40  
MW 11:00-12:00  
MEETS: JUNE 15-AUG 7

DSN&ANALYSIS ALGRTH COM S 311 3 CREDITS  
Prereq: MINIMUM OF A C- IN COM S 228;  
MATH 166, ENGL 150; COM S 230 OR CPR E 310  
2683005 1 MTWRF 12:10-1:30  
TR 2:30-3:30  
MEETS: MAY 18-JULY 10

COOPERATIVE EDUCATN COM S 398 R CREDIT  
Prereq: PERMISSION OF DEPARTMENT CHAIR  
Note: Instructor permission required.  
2691005 1 ARRANGED  
MEETS: MAY 18-AUG 7

INDEPENDENT STUDY COM S 490 VAR. CREDITS  
Prereq: 6 CR. IN COM S, PERMISSION OF INSTRUCTOR  
Note: NO MORE THAN 9 CREDITS OF COM S 490 MAY BE  
APPLIED TOWARD GRADUATION  
Instructor permission required 1st week.  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

SPECIAL TOPICS COM S 590 VAR. CREDITS  
Prereq: PERMISSION OF INSTRUCTOR  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

GRADUATE INTERNSHIP COM S 598 R CREDIT  
Prereq: GRADUATE CLASSIFICATION  
5627005 1 ARRANGED  
MEETS: MAY 18-AUG 7

CREATIVE COMPONENT COM S 599 1- 3 CREDITS  
Satisfactory-Fail Only.  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

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

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

**CONSTRUCTION ENGINEERING**

ENGINEERING LAW CON E 380 3 CREDITS  
Prereq: JUNIOR CLASSIFICATION  
5102600 XW ARRANGED PERKINS B  
MEETS: MAY 18-JULY 10  
Note: PREREQ: JUNIOR CLASSIFICATION  
Section XW is off campus  
Course delivery is WWW  
Delivery fee \$390.00

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

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

**CRIMINAL JUSTICE STUDIES**

YOUTH & CRIME CJ ST 241 3 CREDITS  
2576600 XW ARRANGED  
MEETS: JUNE 15-JULY 10  
Note: Section XW is off campus  
Course delivery is WWW  
Delivery fee \$150.00

DEVIANT & CRIM BEHAV CJ ST 340 3 CREDITS  
2579600 XW ARRANGED BEHNKEN M  
Prereq: SOC 134 OR CJ ST 240  
MEETS: JUNE 15-AUG 7  
Note: Section XW is off campus  
Course delivery is WWW  
Delivery fee \$150.00

CRIMINOLOGY CJ ST 341 3 CREDITS  
Prereq: CJ ST 240  
3175600 XW ARRANGED BUTLER H  
MEETS: MAY 18-JULY 10  
Note: Section XW is off campus  
Course delivery is WWW  
Delivery fee \$150.00

PNISH, CORECTN&SOCIE CJ ST 352 3 CREDITS  
Prereq: 240 OR 241  
7762600 XW ARRANGED DELISI M  
MEETS: MAY 18-JUNE 12  
Note: Section XW is off campus  
Course delivery is WWW  
Delivery fee \$150.00

GENDER AND CRIME CJ ST 406X 3 CREDITS  
Prereq: CJ ST 240  
0520600 XW ARRANGED HARPER S  
MEETS: JUNE 15-AUG 7  
Note: COURSE DELIVERY FEE OF \$150.  
Section XW is off campus  
Course delivery is WWW

CRIM & JUV JUST PRAC CJ ST 460 3-12 CREDITS  
Prereq: JR OR SR CLASSIFICATION; PERMISSION  
OF CJ ST COORDINATOR; MAJOR OR MINOR IN CJ ST  
Note: NO MORE THAN 9 CREDITS OF SOC 460/CJ ST 460  
MAY BE APPLIED TOWARD GRADUATION. NO CREDITS IN  
SOC 460/CJ ST 460 MAY BE USED TO SATISFY MINIMUM  
SOCIOLOGY REQUIREMENTS FOR SOCIOLOGY MAJORS.  
Satisfactory-Fail Only.  
2581005 1 ARRANGED  
MEETS: MAY 18-AUG 7  
2581010 2 ARRANGED  
MEETS: MAY 18-JULY 10  
Note: SECT 2 OFFERED FOR 3-4 CREDITS

**DANCE**

INDEPEN 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 INDEP 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 FORUM 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 18-JULY 10

**DESIGN STUDIES**

PRACTICAL EXPERIENC DSN S 310 R CREDIT  
Prereq: PERMISSION OF ADVISER OR COORDINATOR  
OF DESIGN STUDIES  
Satisfactory-Fail Only.  
5669005 1 ARRANGED  
MEETS: MAY 18-AUG 7

INDEP STDY CMUNICAT DSN S 490C 1- 4 CREDITS  
Prereq: WRITTEN APPROVAL OF INSTRUCTOR AND DEPT  
CHAIR ON REQ'D FORM PRIOR TO SEMESTER OF ENROLLMENT  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

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

## DESIGN STUDIES

(CONTINUED)

INDEP STDY ENTREPRN DSN S 490E 1- 4 CREDITS  
Prereq: WRITTEN APPROVAL OF INSTRUCTOR AND DEPT  
CHAIR ON REQ'D FORM PRIOR TO SEMESTER OF ENROLLMENT  
\*\*\*\*\*  
SEE DEPT FOR REFERENCE NUMBERS

INDEP STDY OUTREACH DSN S 490G 1- 4 CREDITS  
Prereq: WRITTEN APPROVAL OF INSTRUCTOR AND DEPT  
CHAIR ON REQ'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 6 CREDITS SUMMER 2020  
2878005 1 MTWRF 8:40-12:40  
MEETS: MAY 18-JULY 10  
2878010 2 MTWR 1:20-5:30  
MEETS: MAY 18-JULY 10  
Note: SEC 2 TOPIC: PRE-TRAVEL CUBA STUDIO-  
INTERNATIONAL TRAVEL  
2878015 3 MTWRF 8:00-5:00  
MEETS: MAY 18-AUG 7  
Note: SEC 3 TOPIC: CALIFORNIA STUDIO.

SPECIAL TOPICS DSN S 590 1- 4 CREDITS  
Prereq: WRITTEN APPROVAL OF INSTRUCTOR AND DEPT  
CHAIR ON REQUIRED FORM PRIOR TO SEMESTER OF ENROLLMNT  
\*\*\*\*\*  
SEE DEPT FOR REFERENCE NUMBERS

**ECOLOGY & EVOLUTIONARY BIOLOGY**

EXTENDED FIELD TRIP EEB 585B 1 CREDIT  
Prereq: GRADUATE CLASSIFICATION; EEB 585A;  
PERMISSION OF INSTRUCTOR  
Note: Instructor permission required 1st week.  
7859005 1 ARRANGED  
MEETS: MAY 18-AUG 7  
Note: SECTION 1 TRAVEL WILL BE FROM AUGUST 2-9, 2020  
Field trips & travel fee \$350.00

SPECIAL TOPICS EEB 590 1- 3 CREDITS  
Prereq: GRAD CLASSIFICATION AND INSTR PERMISSN  
\*\*\*\*\*  
SEE DEPT FOR REFERENCE NUMBERS

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

**ECOLOGY, EVOLUTION & ORGANISMAL BIOL**

SPCL TOPICS ECOLOGY EEOB 590A 1- 3 CREDITS  
Prereq: 10 CR IN BIOL, INSTRUCTOR PERMISSION  
\*\*\*\*\*  
SEE DEPT FOR REFERENCE NUMBERS

SPL TOP EVOLUT BIOL EEOB 590B 1- 3 CREDITS  
Prereq: 10 CR IN BIOL, INSTRUCTOR PERMISSION  
\*\*\*\*\*  
SEE DEPT FOR REFERENCE NUMBERS

CREATIVE COMPONENT EEOB 599 VAR. CREDITS  
2145005 1 ARRANGED  
MEETS: MAY 18-AUG 7

SEMINAR EEOB 698 1 CREDIT  
\*\*\*\*\*  
SEE DEPT FOR REFERENCE NUMBERS

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

**ECONOMICS**

PRIN MICROECONOMICS ECON 101 3 CREDITS  
3100005 1 MTWRF 11:00-12:00  
MEETS: MAY 18-JULY 10  
Section info: <http://www.econ.iastate.edu/programs/course/defaultcourseinfo.asp>  
Syllabus: <http://www.econ.iastate.edu/programs/course/defaultcourseinfo.asp>  
3100010 2 MTWRF 11:00-12:00  
MEETS: JUNE 15-AUG 7  
Section info: <http://www.econ.iastate.edu/programs/course/defaultcourseinfo.asp>  
Syllabus: <http://www.econ.iastate.edu/programs/course/defaultcourseinfo.asp>  
3100605 XV ARRANGED  
MEETS: JUNE 15-AUG 7  
Note: Section XV is off campus  
Course delivery is WWW  
Delivery fee \$150.00  
3100600 XW ARRANGED  
MEETS: MAY 18-JULY 10  
Note: Section XW is off campus  
Course delivery is WWW  
Delivery fee \$150.00

## ECONOMICS

(CONTINUED)

PRIN MACROECONOMICS ECON 102 3 CREDITS  
Prereq: ECON 101 RECOMMENDED  
3099005 1 MTWRF 8:40-9:40  
MEETS: MAY 18-JULY 10  
Section info: <http://www.econ.iastate.edu/programs/course/defaultcourseinfo.asp>  
3099605 XV ARRANGED  
MEETS: JUNE 15-AUG 7  
Note: Section XV is off campus  
Course delivery is WWW  
Delivery fee \$150.00  
3099600 XW ARRANGED  
MEETS: MAY 18-JULY 10  
Note: Section XW is off campus  
Course delivery is WWW  
Delivery fee \$150.00

COOPERATIVE EDUC ECON 298 R CREDIT  
Prereq: PERMISSION OF THE DEPT COOPERATIVE  
EDUCATION COORDINATOR; SOPHOMORE CLASSIFICATION  
Note: Instructor permission required.  
4834005 1 ARRANGED  
MEETS: MAY 18-AUG 7

INTERMED MICROECON ECON 301 3- 4 CREDITS  
Prereq: ECON 101; ECON 207 OR MATH 166  
Note: COURSE ONLY OFFERED FOR 3 CREDITS SUMMER 2020  
3101005 1 MTWRF 9:50-10:50  
MEETS: JUNE 15-AUG 7  
Section info: <http://www.econ.iastate.edu/programs/course/defaultcourseinfo.asp>

COOPERATIVE EDUC ECON 398 R CREDIT  
Prereq: PERMISSION OF THE DEPT COOPERATIVE  
EDUCATION COORDINATOR; JUNIOR CLASSIFICATION  
Note: Permission of adviser required.  
4835005 1 ARRANGED  
MEETS: MAY 18-AUG 7

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 STUDENTS MAY APPLY NO  
MORE THAN 9 CREDITS OF ECON 490 TOWARD GRADUATION.  
Satisfactory-Fail Only.  
\*\*\*\*\*  
SEE DEPT FOR REFERENCE NUMBERS

INDEP STUDY HONORS ECON 490H 1- 5 CREDITS  
Prereq: JR/SR CLASSIFICATION, 14 CREDITS IN ECON.  
AG COLLEGE MAJORS MAY USE NO MORE THAN 6 CR OF ECON  
490 TOWARD GRADUATION. LAS COLLEGE MAJORS MAY COUNT  
NO MORE THAN 9 CREDITS OF ECON 490 TOWARD GRADUATION.  
Note: COLLEGE OF AG STUDENTS MAY APPLY NO MORE THAN 6  
CREDITS OF ECON 490 TOWARD THE TOTAL CREDITS REQUIRED  
FOR GRADUATION. LAS COLLEGE STUDENTS MAY APPLY NO  
MORE THAN 9 CR 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.  
4836005 1 ARRANGED  
MEETS: MAY 18-AUG 7

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 18-AUG 7

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

**EDUCATION**

EXP I:EDUC TECNOLGS EDUC 280B 1 CREDIT  
Prereq: EDUC 201 OR EDUC 202  
Note: COURSE ONLY OFFERED FOR 1 CREDIT SUMMER 2020  
Satisfactory-Fail Only.  
6280005 1 ARRANGED  
MEETS: MAY 18-AUG 7  
Note: Course delivery is WWW

## EDUCATION (CONTINUED)

NATURE OF SCIENCE EDUC 347 3 CREDITS  
Prereq: EDUC 280M; CONCURRENT ENROLLMENT IN EDUC 418 OR INSTRUCTOR PERMISSION  
8267005 1 MTWRF 9:00-12:00  
MEETS: MAY 11-JUNE 5

RDG&LANG ARTS K-3RD EDUC 377 4 CREDITS  
Prereq: ADMSSION TO TEACHER ED PROGRAM. EDUC 245, SP ED 250, HD FS 240 (ECE MAJ); CONCURRENT ENROLLMENT IN EDUC 405, EDUC 448, EDUC 468A, AND EDUC 468C (EL ED MAJ); OR EDUC 438, EDUC 468F, EDUC 468G, SP ED 368  
Note: COURSE RESTRICTED TO EL ED AND ECE MAJORS WITH FULL OR TENTATIVE ADMISSION TO THE UNIVERSITY TEACHER EDUCATION PROGRAM. TAKE CONCURRENTLY WITH 468A, 448, 468C.  
2066005 1 MTWR 8:00-11:40  
MEETS: MAY 11-JUNE 5

RDG&LANG ARTS 4TH-6 EDUC 378 4 CREDITS  
Prereq: EDUC 377; CONCURRENT ENROLLMENT IN EDUC 449, EDUC 468B, EDUC 468D, AND EDUC 443  
Note: EL ED MAJORS TAKE CONCURRENTLY WITH 468D, 378, 468B, ECE MAJORS TAKE CONCURRENTLY WITH C I 468D, 468B, 468R. RESTRICTED TO EL ED AND ECE MAJORS WITH FULL OR TENTATIVE ADMISSION TO THE UNIVERSITY TEACHER EDUCATION PROGRAM.  
2078005 1 MTWR 8:00-11:40  
MEETS: MAY 11-JUNE 5

SOC JUSTC ED:ECE&EL EDUC 405 3 CREDITS  
Prereq: EDUC 201, EDUC 332, JUNIOR CLASSIFICATION ADMISSION TO TEACHER EDUCATION PROGRAM  
Note: Meets U.S. diversity reqmt  
8300005 1 MTWR 2:30-5:00  
MEETS: JUNE 8-JULY 3  
8300010 2 MTWR 2:30-5:00  
MEETS: JUNE 8-JULY 3

SOCIAL JUSTC ED:SEC EDUC 406 3 CREDITS  
Prereq: EDUC 201 OR EDUC 202, EDUC 332 OR EDUC 333, JUNIOR CLASSIFICATION, ADMISSION TO TEACHER PREPARATION PROGRAM. RESTRICTED TO THOSE ENROLLED IN SECONDARY AND K-12 EDUCATION PROGRAMS  
Note: RESTRICTED TO STUDENTS WITH FULL OR TENTATIVE ADMISSION TO THE UNIVERSITY TEACHER EDUCATION PROGRAM. FOR STUDENTS IN SECED.  
Meets U.S. diversity reqmt  
6292005 1 MTWR 2:30-5:00  
MEETS: JUNE 8-JULY 3

PRIN DISTANCE LEARN EDUC 407 3 CREDITS  
Prereq: EDUC 201 OR EDUC 202; CONVENIENT ACCESS TO THE WEB  
4037005 1 ARRANGED  
MEETS: MAY 18-JUNE 12  
Note: THE ARRANGED TIME REPRESENTS MEETINGS YET TO BE SCHEDULED AS WELL AS WWW

PRIN SECONDARY EDUC EDUC 426 3 CREDITS  
Prereq: SENIOR CLASSIFICATION, ADMISSION TO TEACHER EDUCATION PROGRAM  
Note: RESTRICTED TO STUDENTS WITH FULL OR TENTATIVE ADMISSION TO THE UNIVERSITY TEACHER EDUCATION PROGRAM  
6293005 1 MTWRF 12:00-2:15  
MEETS: MAY 18-JUNE 12

TCHG OF SOC STUDIES EDUC 443 3 CREDITS  
Prereq: EDUC 377, CONCURRENT ENROLLMENT IN EDUC 378, EDUC 449, EDUC 468B, AND EDUC 468D (EL ED MAJORS)  
Note: COURSE RESTRICTED TO EL ED, ECE MAJORS ONLY  
3258005 1 MTWR 3:00-5:30  
MEETS: JUNE 8-JULY 3

TCHNG CHILDREN MATH EDUC 448 3 CREDITS  
Prereq: C- OR BETTER IN MATH 195 AND MATH 196. CONCURRENT ENROLLMENT IN EDUC 377, EDUC 468A, EDUC 468A, EDUC 468C, EDUC 405 (EL ED MAJORS) OR EDUC 377, EDUC 468F, EDUC 468G (ECE MAJORS)  
Note: COURSE RESTRICTED TO EL ED MAJORS ONLY. MUST BE TAKEN CONCURRENTLY WITH 468C, 377, 468A.  
3260010 1 MTWR 12:30-3:00  
MEETS: MAY 11-JUNE 5

TEACHING OF SCIENCE EDUC 449 3 CREDITS  
Prereq: EDUC 377, CONCURRENT ENROLLMENT IN EDUC 378, EDUC 468B, EDUC 468D, EDUC 443.  
Note: COURSE RESTRICTED TO EL ED MAJORS ONLY. MUST BE TAKEN CONCURRENTLY WITH 468D, 378, 468B.  
3261010 1 MTWR 12:30-3:00  
MEETS: MAY 11-JUNE 5

LITERCY&LRNG ASESMT EDUC 452 3 CREDITS  
Prereq: EDUC 378 OR EQUIVALENT  
6584005 1 MTWR 9:00-11:00  
ARRANGED  
MEETS: JUNE 8-JULY 10  
Note: MEETS JUNE 8-JULY 10. DUFFLEMEYER READING CLINIC JUNE 15-JULY 3. REGISTER FOR SAME SECTION OF EDUC 488  
6584010 2 MTWR 9:00-11:00  
ARRANGED  
MEETS: JUNE 8-JULY 10  
Note: MEETS JUNE 8-JULY 10. DUFFLEMEYER READING CLINIC JUNE 15-JULY 3. REGISTER FOR SAME SECTION OF EDUC 488

## EDUCATION (CONTINUED)

LITERCY&LRNG ASESMT EDUC 452 3 CREDITS  
6584015 3 MTWR 9:00-11:00  
ARRANGED  
MEETS: JUNE 8-JULY 10  
Note: MEETS JUNE 8-JULY 10. DUFFLEMEYER READING CLINIC JUNE 15-JULY 3. REGISTER FOR SAME SECTION OF EDUC 488

EMERG TOPC DGTL TEC EDUC 454 1- 3 CREDITS  
Prereq: EDUC 201 OR EDUC 202  
Note: COURSE ONLY OFFERED FOR 1 CREDIT SUMMER 2020  
9436005 1 ARRANGED  
MEETS: JUNE 1-12  
Note: SECTION 1 TOPIC: DIGITAL CITIZENSHIP  
Course delivery is WWW

LITRCY INTGRAT TECH EDUC 456 3 CREDITS  
Prereq: EDUC 201 OR EDUC 202; EDUC 377  
Note: Department permission required 1st week.  
3257005 1 MTWRF 1:30-4:30  
ARRANGED  
MEETS: JUNE 15-JULY 3

CRIT APPRCH CH LIT EDUC 459 3 CREDITS  
Prereq: ADMISSION TO TEACHER EDUCATION PROGRAM; EDUC 377; CREDIT OR CONCURRENT ENROLLMENT IN EDUC 378  
0029005 1 MTWR 9:00-12:00  
MEETS: MAY 11-JUNE 5

EXP II:PRI RDG&LANG EDUC 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: JUNE 8-26

EXP II:RDG&LANG 4-6 EDUC 468B 1 CREDIT  
Prereq: FULL ADMISSION TO THE UNIVERSITY TEACHER EDUCATION PROGRAM  
Note: RESTRICTED TO EL ED MAJORS WITH FULL OR TENTATIVE ADMISSION TO THE UNIVERSITY TEACHER EDUCATION PROGRAM. TAKE CONCURRENTLY WITH 378, 449, 468D.  
Satisfactory-Fail Only.  
3266005 1 MTWRF 7:30-12:30  
MEETS: JUNE 8-26

EXP II:MATH PRIMARY EDUC 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: JUNE 8-26

EXPRNCE II: SCI 4-6 EDUC 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: JUNE 8-26

EXP II:READ ENDORSE EDUC 468R 1 CREDIT  
Prereq: FULL ADMISSION TO UNIVERSITY TEACHER EDUCATION PROGRAM; PERMISSION OF SCHOOL OF EDUCATION REQUIRED; CONCURRENT ENROLLMENT IN EDUC 378  
Note: RESTRICTED TO STUDENTS WITH FULL OR TENTATIVE ADMISSION TO THE UNIVERSITY TEACHER EDUCATION PROGRAM. Department permission required 1st week.  
Satisfactory-Fail Only.  
4300005 1 ARRANGED  
MEETS: JUNE 8-26

EXPERIENCE III: ESL EDUC 480S 2 CREDITS  
Prereq: EDUC 280S, ENGL 219/LING 219, ENGL 220/LING 220, ENGL 511/LING 511, ADMISSION TO UNIVERSITY TEACHER EDUCATION PROGRAM  
Satisfactory-Fail Only.  
7955005 1 ARRANGED  
MEETS: MAY 18-AUG 7

SUPVS TUTOR READING EDUC 488 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 8-JULY 10  
Note: MEETS JUNE 8-JULY 10. DUFFLEMEYER READING CLINIC JUNE 15-JULY 3.  
9461010 2 MTWR 11:00-1:00  
ARRANGED  
MEETS: JUNE 8-JULY 10  
Note: MEETS JUNE 8-JULY 10. DUFFLEMEYER READING CLINIC JUNE 15-JULY 3.  
9461015 3 MTWR 11:00-1:00  
ARRANGED  
MEETS: JUNE 8-JULY 10

## EDUCATION (CONTINUED)

SUPVS TUTOR READING EDUC 488 3 CREDITS  
 Note: MEETS JUNE 8-JULY 10. DUFFLEMEYER READING CLINIC  
 JUNE 15-JULY 3.

INDEP STDY MUSIC ED EDUC 490A VAR. CREDITS  
 Prereq: GPA OF 2.5 OR MORE FOR PRECEDING SEMESTER  
 Note: Instructor permission required 1st week.  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

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

IND STDY METHD TCHG EDUC 490E 1- 3 CREDITS  
 Prereq: GPA OF 2.5 OR MORE FOR PRECEDING SEMESTER  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

IND STDY EDUC PSYCH EDUC 490F 1- 3 CREDITS  
 Prereq: GPA OF 2.5 OR MORE FOR PRECEDING SEMESTER  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

IND STU DIGITL LRNG EDUC 490G 1- 3 CREDITS  
 Prereq: GPA OF 2.5 OR MORE FOR PRECEDING SEMESTER  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

INDEP STUDY HONORS EDUC 490H 1- 3 CREDITS  
 Prereq: GPA OF 2.5 OR MORE FOR PRECEDING SEMESTER  
 MEMBERSHIP IN UNIV HONORS PROGRAM  
 Note: COURSE RESTRICTED TO HONORS PROGRAM STUDENTS ONLY  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

IND STU SOC&CULTURL EDUC 490J 1- 3 CREDITS  
 Prereq: GPA OF 2.5 OR MORE FOR PRECEDING SEMESTER  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

IND STU HIST/SOC SC EDUC 490K 1- 3 CREDITS  
 Prereq: GPA OF 2.5 OR MORE FOR PRECEDING SEMESTER  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

IND STU LITERACY ED EDUC 490L 1- 3 CREDITS  
 Prereq: GPA OF 2.5 OR MORE FOR PRECEDING SEMESTER  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

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

IND STU WORLD LANGU EDUC 490N 1- 3 CREDITS  
 Prereq: GPA OF 2.5 OR MORE FOR PRECEDING SEMESTER  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

IND STDY FOUND EDUC EDUC 490O 1- 3 CREDITS  
 Prereq: GPA OF 2.5 OR MORE FOR PRECEDING SEMESTER  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

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

TCHNOL IN TEACH&LRN EDUC 505 3 CREDITS  
 Prereq: GRADUATE CLASSIFICATION  
 2796005 1 MTWRF 12:00-2:00  
 MEETS: JUNE 8-JULY 3

ALGEBRA K-12 CLSRMS EDUC 508 3 CREDITS  
 Prereq: 6 CREDITS OF MATH; CREDIT OR ENROLLMENT  
 IN EDUC 448 OR EDUC 497 OR EDUC 597  
 7172005 1 MTWRF 9:00-12:00  
 ARRANGED  
 MEETS: MAY 11-JUNE 5

PRIN SECONDARY EDUC EDUC 526 3 CREDITS  
 Prereq: SENIOR CLASSIFICATION, ADMISSION TO  
 TEACHER EDUCATION PROGRAM  
 7724005 1 MTWRF 12:00-2:15  
 MEETS: MAY 18-JUNE 12

ED PSY&SECNDY CLSRM EDUC 529 3 CREDITS  
 Prereq: BACHELOR'S DEGREE, ADMISSION INTO A  
 GRADUATE-LEVEL TEACHER LICENSURE PROGRAM  
 8674005 1 MTWR 11:00-1:30  
 MEETS: MAY 11-JUNE 5

NATURE OF SCIENCE EDUC 547 3 CREDITS  
 Prereq: CONCURRENT ENROLLMENT IN EDUC 518 OR  
 PERMISSION OF INSTRUCTOR  
 7717005 1 MTWRF 9:00-12:00  
 MEETS: MAY 11-JUNE 5

CORRECTIVE READING EDUC 552 3 CREDITS  
 Prereq: EDUC 378 OR EQUIVALENT  
 3276005 1 MTWR 9:00-11:00  
 ARRANGED  
 MEETS: JUNE 8-JULY 10  
 Note: MEETS JUNE 8-JULY 10. DUFFLEMEYER READING CLINIC  
 JUNE 15-JULY 3.  
 3276010 2 MTWR 9:00-11:00  
 ARRANGED  
 MEETS: JUNE 8-JULY 10  
 Note: MEETS JUNE 8-JULY 10. DUFFLEMEYER READING CLINIC  
 JUNE 15-JULY 3.  
 3276015 3 MTWR 9:00-11:00  
 ARRANGED  
 MEETS: JUNE 8-JULY 10  
 Note: MEETS JUNE 8-JULY 10. DUFFLEMEYER READING CLINIC  
 JUNE 15-JULY 3.

## EDUCATION (CONTINUED)

TCH STRUGL ADOL RDR EDUC 553 3 CREDITS  
 Prereq: TEACHING LICENSE OR SENIOR CLASSIFICATION  
 7267005 1 MTWR 9:00-12:00  
 MEETS: MAY 11-JUNE 5

TCHNOL IN READ&LANG EDUC 556 3 CREDITS  
 Prereq: TEACHING LICENSE  
 1285005 1 MTWRF 1:30-4:30  
 ARRANGED  
 MEETS: JUNE 15-JULY 3

CRIT APPRCH CH LIT EDUC 559 3 CREDITS  
 Prereq: ADMISSION TO TEACHER EDUCATION PROGRAM;  
 EDUC 377; CREDIT OR CONCURRENT ENROLLMENT IN EDUC 378  
 1672005 1 MTWR 9:00-12:00  
 MEETS: MAY 11-JUNE 5

STUDI FOUND ED U.S. EDUC 580 3 CREDITS  
 Prereq: ADMISSION TO GRADUATE LICENSURE PROGRAM  
 IN TEACHER EDUCATION OR PERMISSION OF INSTRUCTOR  
 0187005 1 MTWR 7:30-10:50  
 MEETS: JUNE 8-JULY 3

SUPVS TUTOR READING EDUC 588 3 CREDITS  
 Prereq: GRADUATE STATUS, TEACHING LICENSE AND  
 CONCURRENT ENROLLMENT IN OR COMPLETION OF ONE COURSE  
 CORRECTIVE READING; DIAGNOSIS AND CORRECTION OF  
 READING PROBLEMS  
 9245005 1 MTWR 11:00-1:00  
 ARRANGED  
 MEETS: JUNE 8-JULY 10  
 Note: MEETS JUNE 8-JULY 10. DUFFLEMEYER READING CLINIC  
 JUNE 15-JULY 3.  
 9245010 2 MTWR 11:00-1:00  
 ARRANGED  
 MEETS: JUNE 8-JULY 10  
 Note: MEETS JUNE 8-JULY 10. DUFFLEMEYER READING CLINIC  
 JUNE 15-JULY 3.  
 9245015 3 MTWR 11:00-1:00  
 ARRANGED  
 MEETS: JUNE 8-JULY 10  
 Note: MEETS JUNE 8-JULY 10. DUFFLEMEYER READING CLINIC  
 JUNE 15-JULY 3.

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

SPL TOP EDUC TECHNO EDUC 590B 1- 3 CREDITS  
 Prereq: 9 GRADUATE CREDITS IN EDUCATION  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

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

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

SP TOP SOC&CULTURAL EDUC 590F 1- 3 CREDITS  
 Prereq: 9 GRADUATE CREDITS IN EDUCATION  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

SPL TOPCS MATH EDUC EDUC 590G 1- 3 CREDITS  
 Prereq: 9 GRADUATE CREDITS IN EDUCATION  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

SPCL TOPICS ELEM ED EDUC 590I 1- 3 CREDITS  
 Prereq: 9 GRADUATE CREDITS IN EDUCATION  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

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

SPL TOP EDUC PSYCH EDUC 590K 1- 3 CREDITS  
 Prereq: 9 GRADUATE CREDITS IN EDUCATION  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

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

SCIENCE EDUC WKSHOP EDUC 593C 1- 3 CREDITS  
 Prereq: 9 GRADUATE CREDITS IN EDUCATION  
 Note: COURSE ONLY OFFERED FOR 2 CREDIT SUMMER 2020  
 2812005 1 MTWR 8:30-5:00  
 MEETS: JUNE 8-11  
 Note: BIOTECHNOLOGY EDUCATION WORKSHOP I  
 2812010 2 MTWR 8:30-5:00  
 MEETS: JUNE 22-25  
 Note: BIOTECHNOLOGY EDUCATION WORKSHOP II  
 2812015 3 MTWR 9:00-5:30  
 MEETS: JUNE 15-18  
 Note: BIOETHICS WORKSHOP I



## EDUCATION (CONTINUED)

CRTV COMP CURRICULM EDUC 599A 1- 3 CREDITS  
Prereq: 9 GRADUATE CREDITS IN EDUCATION  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

CR CMP EDUC TECHNOL EDUC 599B 1- 3 CREDITS  
Prereq: 9 GRADUATE CREDITS IN EDUCATION  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

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

CRTV COMP SECNDR ED EDUC 599D 1- 3 CREDITS  
Prereq: 9 GRADUATE CREDITS IN EDUCATION  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

CR CMP SOC&CULTURAL EDUC 599F 1- 3 CREDITS  
Prereq: 9 GRADUATE CREDITS IN EDUCATION  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

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

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

CRTV COMP EDU PSYCH EDUC 599K 1- 3 CREDITS  
Prereq: 9 GRADUATE CREDITS IN EDUCATION  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

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

ADV SPCL TOP CURRIC EDUC 690A VAR. CREDITS  
Prereq: 9 GRADUATE CREDITS IN EDUCATION  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

ADV SP TOP EDUC TEC EDUC 690B VAR. CREDITS  
Prereq: 9 GRADUATE CREDITS IN EDUCATION  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

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

ADV SPCL TOP SEC ED EDUC 690D VAR. CREDITS  
Prereq: 9 GRADUATE CREDITS IN EDUCATION  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

ADV TOP SOC&CULTURL EDUC 690F VAR. CREDITS  
Prereq: 9 GRADUATE CREDITS IN EDUCATION  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

ADV SPL TOP MATH ED EDUC 690G VAR. CREDITS  
Prereq: 9 GRADUATE CREDITS IN EDUCATION  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

ADV SPL TP WRL LANG EDUC 690J VAR. CREDITS  
Prereq: 9 GRADUATE CREDITS IN EDUCATION  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

ADV SPL TOP ED PSYC EDUC 690K VAR. CREDITS  
Prereq: 9 GRADUATE CREDITS IN EDUCATION  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

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

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

RESRCH EDUC TECHNOL EDUC 699B VAR. CREDITS  
Prereq: 9 GRADUATE CREDITS IN EDUCATION  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

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

RESRCH SECNDRY EDUC EDUC 699D VAR. CREDITS  
Prereq: 9 GRADUATE CREDITS IN EDUCATION  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

RESRCH SOC&CULTURAL EDUC 699F VAR. CREDITS  
Prereq: 9 GRADUATE CREDITS IN EDUCATION  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

RESEARCH MATH EDUC EDUC 699G VAR. CREDITS  
Prereq: 9 GRADUATE CREDITS IN EDUCATION  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

## EDUCATION (CONTINUED)

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

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

RESRCH EDUC PSYCHOL EDUC 699K VAR. CREDITS  
Prereq: 9 GRADUATE CREDITS IN EDUCATION  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

RESRCH SOC STUDI ED EDUC 699L VAR. CREDITS  
Prereq: 9 GRADUATE CREDITS IN EDUCATION  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

RESRCH LITERACY ED EDUC 699M VAR. CREDITS  
Prereq: 9 GRADUATE CREDITS IN EDUCATION  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

**EDUCATIONAL ADMINISTRATION**

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

FLD EXP ELEM PRINCI EDADM 591A 1- 6 CREDITS  
Prereq: EDADM 541, ADMISS TO PROGRAM & INSTR'S  
APPROVAL  
9422002 AM ARRANGED MICICH A  
MEETS: MAY 18-AUG 7  
9422090 WD ARRANGED WULF D  
MEETS: MAY 18-AUG 7

FLD EXP SECOND PRIN EDADM 591B 1- 6 CREDITS  
Prereq: EDADM 541, ADMISS TO PROGRAM & INSTR'S  
APPROVAL  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

ADV SPECIAL TOPICS EDADM 690 1- 3 CREDITS  
Prereq: 9 CREDITS IN EDUCATIONAL ADMINISTRATION  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

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

**EDUCATIONAL LEADERSHIP & POLICY ST**

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

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

**ELECTRICAL ENGINEERING**

ELECTRIC CIRCUITS E E 201 4 CREDITS  
Prereq: CR OR ENROLLMENT IN MATH 267 AND PHYS 222  
Note: CREDIT FOR EITHER E E 201 OR E E 442, BUT NOT BOTH, MAY BE APPLIED TOWARD GRADUATION  
2120005 1 MTWRF 1:20-2:20  
MW 2:30-5:30  
MEETS: MAY 18-JULY 10

ELECTRON CIRCTS&SYS E E 230 4 CREDITS  
Prereq: E E 201, MATH 267, PHYS 222  
4639005 1 MTWRF 11:00-12:00  
MW 8:00-11:00  
MEETS: MAY 18-JULY 10  
4639010 2 MTWRF 11:00-12:00  
TR 8:00-11:00  
MEETS: MAY 18-JULY 10

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

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

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

## ELECTRICAL ENGINEERING (CONTINUED)

INDEP STUDY HONORS E E 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 ELECMAG THY E E 590A 1- 6 CREDITS  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

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

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

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

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

SPL TOP ELEC MATRIS E E 590G 1- 6 CREDITS  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

SP TOP EL DEVIC&CIR E E 590H 1- 6 CREDITS  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

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

INDEPENDENT STUDY E E 595X 1- 3 CREDITS  
Satisfactory-Fail Only.  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

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

ENGINEERG INTERNSHP E E 697 R CREDIT  
Satisfactory-Fail Only.  
5716005 1 ARRANGED  
MEETS: MAY 18-AUG 7  
Note: Department permission required.

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

**ENGINEERING MECHANICS**

ENGINEERING STATICS E M 274 3 CREDITS  
Prereq: PHYS 221, CREDIT OR ENROLLMNT IN MATH 166  
Note: CREDIT IN MAT E 319X, OR THE E M 274 AND  
E M 324 PAIR OF COURSES, BUT NOT BOTH, MAY BE APPLIED  
TOWARD GRADUATION  
3004005 1 MTWRF 8:40-9:40  
MEETS: MAY 18-JULY 10

MECHAN OF MATERIALS E M 324 3 CREDITS  
Prereq: E M 274  
Note: CREDIT IN MAT E 319X, OR THE E M 274 AND E M 324  
PAIR OF COURSES, BUT NOT BOTH, MAY BE APPLIED TOWARD  
GRADUATION  
3007005 1 MTWRF 9:50-10:50  
MEETS: MAY 18-JULY 10  
3007010 2 MTWRF 11:00-12:00  
MEETS: MAY 18-JULY 10

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

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

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

SPECIAL TOPICS E M 590J 1- 4 CREDITS  
Prereq: PERMISSION OF INSTRUCTOR  
Note: Instructor permission required.  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

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

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

## ENGINEERING MECHANICS (CONTINUED)

SP TOP ADV WAV PROP E M 6900 1- 6 CREDITS  
Prereq: PERMISSION OF INSTRUCTOR  
Note: Instructor permission required.  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

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

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

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

SPECIAL TOPICS E M 690S 1- 6 CREDITS  
Prereq: PERMISSION OF INSTRUCTOR  
Note: Instructor permission required.  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

ENGINEERG INTERNSHP E M 697 R CREDIT  
Prereq: PERMISSION OF DOGE, GRAD CLASSIFICATION  
Satisfactory-Fail Only.  
8134005 1 ARRANGED  
MEETS: MAY 18-AUG 7

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

**ENGLISH**

ENGLISH NONNATIV II ENGL 101C 3 CREDITS  
Prereq: RECOMMENDATION OF ENGL DEPT; PLACEMENT IN  
VARIOUS SECTIONS DETERMINED BY EXAMINATION  
Note: ENGL 101C DOES NOT APPLY TOWARD GRADUATION  
3295600 XW ARRANGED  
MEETS: MAY 18-JULY 10  
Note: Section XW is off campus  
Course delivery is WWW

ENGLISH NONNATIV II ENGL 101D 3 CREDITS  
Prereq: RECOMMENDATION OF ENGL DEPT; PLACEMENT IN  
VARIOUS SECTIONS DETERMINED BY EXAMINATION  
Note: COURSE RESTRICTED TO GRADUATE STUDENTS ONLY.  
ENGL 101D DOES NOT APPLY TOWARD GRADUATION.  
3296600 XW ARRANGED  
MEETS: MAY 18-JULY 10  
Note: Section XW is off campus  
Course delivery is WWW

CRITCL THINK&CMUNIC 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 1 MWF 9:50-10:50  
TR 9:50-10:50  
MEETS: JUNE 15-AUG 7  
3298010 2 MWF 11:00-12:00  
TR 11:00-12:00  
MEETS: JUNE 15-AUG 7  
3298605 XV ARRANGED  
MEETS: JUNE 15-AUG 7  
Note: Section XV is off campus  
Course delivery is WWW  
Delivery fee \$150.00  
3298600 XW ARRANGED  
MEETS: MAY 18-JULY 10  
Note: Section XW is off campus  
Course delivery is WWW  
Delivery fee \$150.00

A LING APPRCH TABOO ENGL 169X 3 CREDITS  
0590600 XW ARRANGED  
MEETS: MAY 18-JULY 10  
Note: COURSE FEE OF \$150  
Section XW is off campus  
Course delivery is WWW

WRIT,ORAL,EL COMPOS ENGL 250 3 CREDITS  
Prereq: ENGL 150 OR EXEMPTION FROM ENGL 150;  
CREDIT FOR OR CONCURRENT ENROLLMENT IN LIB 160  
Note: EACH SECTION WILL MEET TWO DAYS IN A COMPUTER LAB  
3299005 1 MWF 9:50-10:50  
TR 9:50-10:50  
MEETS: MAY 18-JULY 10  
3299010 2 MWF 9:50-10:50  
TR 9:50-10:50  
MEETS: JUNE 15-AUG 7  
3299015 3 MWF 11:00-12:00  
TR 11:00-12:00  
MEETS: JUNE 15-AUG 7  
3299610 XU ARRANGED  
MEETS: JUNE 15-AUG 7  
Note: Section XU is off campus  
Course delivery is WWW  
Delivery fee \$150.00  
3299605 XV ARRANGED  
MEETS: MAY 18-JULY 10  
Note: Section XV is off campus

## ENGLISH (CONTINUED)

WRIT,ORAL,EL COMPOS ENGL 250 3 CREDITS  
 Course delivery is WWW  
 Delivery fee \$150.00  
 3299600 XW ARRANGED  
 MEETS: MAY 18-JULY 10  
 Note: Section XW is off campus  
 Course delivery is WWW  
 Delivery fee \$150.00

BUSINESS COMMUNICAT 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 18-JULY 10  
 3314010 2 MWF 9:50-10:50  
 TR 9:50-10:50  
 MEETS: MAY 18-JULY 10  
 3314015 3 MWF 11:00-12:00  
 TR 11:00-12:00  
 MEETS: MAY 18-JULY 10  
 3314670 XI ARRANGED  
 MEETS: MAY 18-JULY 10  
 Note: RESTRICTED TO JUNIORS AND SENIORS  
 Section XI is off campus  
 Course delivery is WWW  
 Delivery fee \$150.00  
 3314665 XJ ARRANGED  
 MEETS: JUNE 15-AUG 7  
 Note: RESTRICTED TO JUNIORS AND SENIORS  
 Section XJ is off campus  
 Course delivery is WWW  
 Delivery fee \$150.00  
 3314660 XK ARRANGED  
 MEETS: JUNE 15-AUG 7  
 Note: RESTRICTED TO JUNIORS AND SENIORS  
 Section XK is off campus  
 Course delivery is WWW  
 Delivery fee \$150.00  
 3314655 XL ARRANGED  
 MEETS: JUNE 15-AUG 7  
 Note: RESTRICTED TO JUNIORS AND SENIORS  
 Section XL is off campus  
 Course delivery is WWW  
 Delivery fee \$150.00  
 3314650 XM ARRANGED  
 MEETS: JUNE 15-AUG 7  
 Note: RESTRICTED TO JUNIORS AND SENIORS  
 Section XM is off campus  
 Course delivery is WWW  
 Delivery fee \$150.00  
 3314645 XN ARRANGED  
 MEETS: JUNE 15-AUG 7  
 Note: RESTRICTED TO JUNIORS AND SENIORS  
 Section XN is off campus  
 Course delivery is WWW  
 Delivery fee \$150.00  
 3314640 XO ARRANGED  
 MEETS: JUNE 15-AUG 7  
 Note: RESTRICTED TO JUNIORS AND SENIORS  
 Section XO is off campus  
 Course delivery is WWW  
 Delivery fee \$150.00  
 3314635 XP ARRANGED  
 MEETS: MAY 18-JULY 10  
 Note: RESTRICTED TO JUNIORS AND SENIORS  
 Section XP is off campus  
 Course delivery is WWW  
 Delivery fee \$150.00  
 3314630 XQ ARRANGED  
 MEETS: MAY 18-JULY 10  
 Note: RESTRICTED TO JUNIORS AND SENIORS  
 Section XQ is off campus  
 Course delivery is WWW  
 Delivery fee \$150.00  
 3314625 XR ARRANGED  
 MEETS: MAY 18-JULY 10  
 Note: RESTRICTED TO JUNIORS AND SENIORS  
 Section XR is off campus  
 Course delivery is WWW  
 Delivery fee \$150.00  
 3314620 XS ARRANGED  
 MEETS: MAY 18-JULY 10  
 Note: RESTRICTED TO JUNIORS AND SENIORS  
 Section XS is off campus  
 Course delivery is WWW  
 Delivery fee \$150.00  
 3314610 XT ARRANGED  
 MEETS: MAY 18-JULY 10  
 Note: RESTRICTED TO JUNIORS AND SENIORS  
 Section XT is off campus  
 Course delivery is WWW  
 Delivery fee \$150.00  
 3314615 XU ARRANGED  
 MEETS: MAY 18-JULY 10  
 Note: RESTRICTED TO JUNIORS AND SENIORS  
 Section XU is off campus  
 Course delivery is WWW  
 Delivery fee \$150.00  
 3314605 XV ARRANGED  
 MEETS: MAY 18-JULY 10  
 Note: RESTRICTED TO JUNIORS AND SENIORS  
 Section XV is off campus  
 Course delivery is WWW

## ENGLISH (CONTINUED)

BUSINESS COMMUNICAT ENGL 302 3 CREDITS  
 Delivery fee \$150.00  
 3314600 XW ARRANGED  
 MEETS: MAY 18-JULY 10  
 Note: RESTRICTED TO JUNIORS AND SENIORS  
 Section XW is off campus  
 Course delivery is WWW  
 Delivery fee \$150.00

CREAT WRITING:FICTN ENGL 304 3 CREDITS  
 Prereq: ENGL 250, NOT OPEN TO FRESHMEN  
 Note: COURSE RESTRICTED TO SOPHOMORES AND ABOVE  
 3316005 1 MTWRF 9:50-10:50  
 MEETS: JUNE 15-AUG 7

PROPOSAL&RPT WRITNG ENGL 309 3 CREDITS  
 Prereq: ENGL 250, JUNIOR CLASSIFICATION  
 8089615 XT ARRANGED  
 MEETS: JUNE 15-AUG 7  
 Note: RESTRICTED TO JUNIORS AND SENIORS  
 Section XT is off campus  
 Course delivery is WWW  
 Delivery fee \$150.00  
 8089610 XU ARRANGED  
 MEETS: MAY 18-JULY 10  
 Note: RESTRICTED TO JUNIORS AND SENIORS  
 Section XU is off campus  
 Course delivery is WWW  
 Delivery fee \$150.00  
 8089605 XV ARRANGED  
 MEETS: MAY 18-JULY 10  
 Note: RESTRICTED TO JUNIORS AND SENIORS  
 Section XV is off campus  
 Course delivery is WWW  
 Delivery fee \$150.00  
 8089600 XW ARRANGED  
 MEETS: MAY 18-JULY 10  
 Note: RESTRICTED TO JUNIORS AND SENIORS  
 Section XW is off campus  
 Course delivery is WWW  
 Delivery fee \$150.00

TECHNICAL COMMUNCTN 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 18-JULY 10  
 3356010 2 MTR 11:00-12:00  
 WF 11:00-12:00  
 MEETS: JUNE 15-AUG 7  
 3356645 XM ARRANGED  
 MEETS: JUNE 15-AUG 7  
 Note: RESTRICTED TO JUNIORS AND SENIORS  
 Section XM is off campus  
 Course delivery is WWW  
 Delivery fee \$150.00  
 3356640 XO ARRANGED  
 MEETS: JUNE 15-AUG 7  
 Note: RESTRICTED TO JUNIORS AND SENIORS  
 Section XO is off campus  
 Course delivery is WWW  
 Delivery fee \$150.00  
 3356635 XP ARRANGED  
 MEETS: JUNE 15-AUG 7  
 Note: RESTRICTED TO JUNIORS AND SENIORS  
 Section XP is off campus  
 Course delivery is WWW  
 Delivery fee \$150.00  
 3356630 XQ ARRANGED  
 MEETS: JUNE 15-AUG 7  
 Note: RESTRICTED TO JUNIORS AND SENIORS  
 Section XQ is off campus  
 Course delivery is WWW  
 Delivery fee \$150.00  
 3356625 XR ARRANGED  
 MEETS: JUNE 15-AUG 7  
 Note: RESTRICTED TO JUNIORS AND SENIORS  
 Section XR is off campus  
 Course delivery is WWW  
 Delivery fee \$150.00  
 3356620 XS ARRANGED  
 MEETS: MAY 18-JULY 10  
 Note: RESTRICTED TO JUNIORS AND SENIORS  
 Section XS is off campus  
 Course delivery is WWW  
 Delivery fee \$150.00  
 3356615 XT ARRANGED  
 MEETS: MAY 18-JULY 10  
 Note: RESTRICTED TO JUNIORS AND SENIORS  
 Section XT is off campus  
 Course delivery is WWW  
 Delivery fee \$150.00  
 3356610 XU ARRANGED  
 MEETS: MAY 18-JULY 10  
 Note: RESTRICTED TO JUNIORS AND SENIORS  
 Section XU is off campus  
 Course delivery is WWW  
 Delivery fee \$150.00  
 3356605 XV ARRANGED  
 MEETS: MAY 18-JULY 10  
 Note: RESTRICTED TO JUNIORS AND SENIORS  
 Section XV is off campus  
 Course delivery is WWW

## ENGLISH (CONTINUED)

TECHNICAL COMMUNCTN ENGL 314 3 CREDITS  
Delivery fee \$150.00  
3356600 XW ARRANGED  
MEETS: MAY 18-JULY 10  
Note: RESTRICTED TO JUNIORS AND SENIORS  
Section XW is off campus  
Course delivery is WWW  
Delivery fee \$150.00

CR WRIT WKSHF:FICTN ENGL 404 3 CREDITS  
Prereq: ENGL 304  
3353005 1 MTWRF 9:50-10:50  
MEETS: JUNE 15-AUG 7

INTERN BUS,PRO COMM ENGL 487 1- 3 CREDITS  
Prereq: JUNIOR CLASSIF; PERMISSN OF COORDINATOR;  
9 CR IN ENGL 302, ENGL 309, ENGL 313, ENGL 314, ENGL  
415 (PREFERRED), ENGL 416, OR ENGL 477.  
Note: Department permission required.  
9099005 1 ARRANGED  
MEETS: MAY 18-AUG 7

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

IND 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.  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

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

IND 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 UNDERGRADUATE STUDIES COMMITTEE  
Note: NO MORE THAN 9 CREDITS OF ENGL 490 MAY BE APPLIED  
TOWARD GRADUATION  
Department permission required.  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

IND 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 COMM  
Note: NO MORE THAN 9 CREDITS OF ENGL 490 MAY BE APPLIED  
TOWARD GRADUATION  
Department permission required.  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

IND STU CREATV WRIT ENGL 490F VAR. CREDITS  
Prereq: 9 CR IN ENGL BEYOND ENGL 250 APPROPRIATE  
TO CREATIVE WRITING, JR CLASSIFICATION, PERMISSION  
OF UNDERGRADUATE STUDIES COMMITTEE  
Note: NO MORE THAN 9 CREDITS OF ENGL 490 MAY BE APPLIED  
TOWARD GRADUATION  
Department permission required.  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

IND STU BUS/TCH CMM ENGL 490G VAR. CREDITS  
Prereq: 9 CR IN ENGL BEYOND ENGL 250 APPROPRIATE  
TO BUSINESS/TECHNICAL COMMUNICATION, JR CLASSIFICATN,  
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

INDEP STUDY HONORS ENGL 490H VAR. CREDITS  
Prereq: 9 CR IN ENGL BEYOND ENGL 250 APPROPRIATE  
TO INDEP 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

## ENGLISH (CONTINUED)

ACAD PUBLCTN WRITNG ENGL 508 3 CREDITS  
Prereq: 6 GRADUATE CREDITS  
5107005 1 MW 6:00-9:20PM  
MEETS: MAY 18-JUNE 26

LANGU ASSES PRACTM ENGL 513 3 CREDITS  
Prereq: ENGL 519  
8728005 1 ARRANGED  
MEETS: MAY 18-AUG 7

ENVIRON FIELD EXPER ENGL 560 3 CREDITS  
Prereq: ENGL 550, GRAD CLASSIFICATION. OPEN TO  
GRAD STUDENTS OUTSIDE MFA IN CREATIVE WRITING AND  
ENVIRONMENT WITH PERMISSION OF INSTRUCTOR.  
8229005 1 ARRANGED  
MEETS: MAY 18-AUG 7  
Note: Instructor permission required.

INTERN BUS,PRO COMM ENGL 587 1- 3 CREDITS  
Prereq: 3 GRAD CREDITS IN BUSINESS AND TECHNICAL  
WRITING OR COMPOSITION AND RHETORIC, PERMISSION OF  
INSTRUCTOR. LIMITED TO MASTER'S AND DOCTORAL DEGREE  
CANDIDATES IN FIELD OF RHETORIC AND PRO COMMUNICATION  
Note: Instructor permission required.  
3425005 1 ARRANGED  
MEETS: MAY 18-AUG 7

SUPV PRACT LIT EDIT ENGL 589 1- 3 CREDITS  
Prereq: ENGL 550 AND PERMISSION OF INSTRUCTOR  
7611005 1 ARRANGED  
MEETS: MAY 18-AUG 7  
Note: Instructor permission required.

SPL TOP LITERATURE ENGL 590A VAR. CREDITS  
Prereq: PERMISSION OF THE DIRECTOR OF GRADUATE  
EDUC ACCORDING TO GUIDELINES AVAILABLE IN DEPT OFFICE  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

SPL TOP TESL/LINGUI ENGL 590B VAR. CREDITS  
Prereq: PERMISSION OF THE DIRECTOR OF GRADUATE  
EDUC ACCORDING TO GUIDELINES AVAILABLE IN DEPT OFFICE  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

SPL TOP RHETOR&COMP ENGL 590C VAR. CREDITS  
Prereq: PERMISSION OF THE DIRECTOR OF GRADUATE  
EDUC ACCORDING TO GUIDELINES AVAILABLE IN DEPT OFFICE  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

SP TOP RHE&PRO COMM ENGL 590E VAR. CREDITS  
Prereq: PERMISSION OF THE DIRECTOR OF GRADUATE  
EDUC ACCORDING TO GUIDELINES AVAILABLE IN DEPT OFFICE  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

SPL TOP CREATV WRIT ENGL 590F VAR. CREDITS  
Prereq: PERMISSION OF THE DIRECTOR OF GRADUATE  
EDUC ACCORDING TO GUIDELINES AVAILABLE IN DEPT OFFICE  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

SPL TP APP LING&TEC ENGL 590G VAR. CREDITS  
Prereq: PERMISSION OF THE DIRECTOR OF GRADUATE  
EDUC ACCORDING TO GUIDELINES AVAILABLE IN DEPT OFFICE  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

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

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

**ENTOMOLOGY**

INTRO TO INSECTS ENT 201 1 CREDIT  
5197005 1 ARRANGED  
MEETS: MAY 18-JUNE 19  
Note: Course delivery is WWW

ENTOMOLOGY FIELD TR ENT 435X 2 CREDITS  
Prereq: BIOL 312 OR EQUIVALENT AND PERMISSION OF  
INSTRUCTOR; ENT 370 OR ENT 425 OR EQUIVALENT  
RECOMMENDED  
0228005 1 ARRANGED  
MEETS: JUNE 22-JULY 5  
Note: OFF CAMPUS FIELD TRIP  
Field trips & travel fee \$500.00-\$1,000.00

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

## ENTOMOLOGY

(CONTINUED)

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

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

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

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

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

SPL TOP MEDICAL&VET ENT 590F 1- 3 CREDITS  
Prereq: 15 CREDITS IN BIOLOGICAL SCIENCES  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

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

SPL TOPC TOXICOLOGY ENT 590I 1- 3 CREDITS  
Prereq: 15 CREDITS IN BIOLOGICAL SCIENCES  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

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

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

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

SEMINAR ENT 600 1 CREDIT  
5345005 1 M 3:40-4:50  
MEETS: MAY 18-AUG 7

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

## ENVIRONMENTAL SCIENCE

GEOSPATIAL TECHNOLG ENSCI 270X 3 CREDITS  
0170005 1 ARRANGED  
MEETS: MAY 18-AUG 7

ECOLOGY ENSCI 312 4 CREDITS  
Prereq: BIOL 211L AND BIOL 212L  
4996005 1 MTWR 9:50-11:05  
MW 12:10-3:00  
MEETS: MAY 18-JULY 10  
Note: Materials, field trips &/or travel fee \$60.00  
4996010 2 MTWR 9:50-11:05  
TR 12:10-3:00  
MEETS: MAY 18-JULY 10  
Note: Materials, field trips &/or travel fee \$60.00

ECO&ENVIRON SCI GIS ENSCI 370 1- 6 CREDITS  
Prereq: 6 CREDITS IN BIOLOGICAL AND/OR PHYSICAL  
SCIENCES; PERMISSION OF INSTRUCTOR  
Satisfactory-Fail Only.  
4002005 1 ARRANGED  
MEETS: MAY 18-AUG 7  
4002010 2 ARRANGED  
MEETS: MAY 18-AUG 7

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

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

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

## ENVIRONMENTAL SCIENCE

(CONTINUED)

HONORS INDEP STUDY ENSCI 490H VAR. CREDITS  
Prereq: INSTRUCTOR PERMISSION, APPROVAL OF  
ENVIRONMENTAL SCIENCE COORDINATOR  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

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

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

## ENVIRONMENTAL STUDIES

ENVIRONMNTL BIOLOGY ENV S 173 3 CREDITS  
2022600 XW ARRANGED PLEASANTS J  
MEETS: MAY 18-AUG 7  
Note: Section XW is off campus  
Course delivery is WWW  
Delivery fee \$150.00

INTERNSH ENVIR STDI ENV S 390 VAR. CREDITS  
Prereq: APPROVAL OF THE ENV S COORDINATOR  
Satisfactory-Fail Only.  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

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

## EVENT MANAGEMENT

INTRO EVENT MANAGMT EVENT 271 3 CREDITS  
6726005 1 ARRANGED  
MEETS: MAY 18-JUNE 12  
Note: Course delivery is WWW

INDEP STDY CONFERNC EVENT 490B VAR. CREDITS  
Prereq: APPROVAL OF PROGRAM COORDINATOR  
Note: NO MORE THAN 9 CREDITS OF EVENT 290 AND  
EVENT 490 MAY BE APPLIED TOWARD GRADUATION  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

IND STDY SPCL EVNTS EVENT 490C VAR. CREDITS  
Prereq: APPROVAL OF PROGRAM COORDINATOR  
Note: NO MORE THAN 9 CREDITS OF EVENT 290 AND  
EVENT 490 MAY BE APPLIED TOWARD GRADUATION  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

IND STUDY EVENT MGT EVENT 490D VAR. CREDITS  
Note: NO MORE THAN 9 CREDITS OF EVENT 290 AND  
EVENT 490 MAY BE APPLIED TOWARD GRADUATION  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

## EXCHANGE PROGRAM

EXCH NCU-TAIWAN EXPRO 304H VAR. CREDITS  
Note: Department permission required.  
8926010 2 ARRANGED  
MEETS: MAY 18-AUG 7

## FAMILY&amp;CONSUMER SCIENCES ED&amp;STUDIES

SUPV EXPRNC COMMUNC FCEDS 491A 3- 8 CREDITS  
Prereq: HD FS 449; 24 CREDITS IN FAMILY AND  
CONSUMER SCIENCES; RESERVATION REQUIRED  
Satisfactory-Fail Only.  
2261005 1 ARRANGED  
MEETS: MAY 18-AUG 7

SUPV EXPRNC PRO STU FCEDS 491B 3- 8 CREDITS  
Prereq: HD FS 418B; 24 CREDITS IN FAMILY AND  
CONSUMER SCIENCES; RESERVATION REQUIRED  
Satisfactory-Fail Only.  
2272005 1 ARRANGED  
MEETS: MAY 18-AUG 7

## FINANCE

PRINCIPL OF FINANCE FIN 301 3 CREDITS  
Prereq: ACCT 284, ECON 101, STAT 226  
Note: COURSE NOT OPEN TO P BUS MAJORS AND GRADUATE  
STUDENTS  
3689005 A1 MTWRF 9:50-11:50  
MEETS: MAY 18-JUNE 12  
Note: SECTION A1 RESTRICTED TO ACCT, ACSCI, AG B, AN S,  
BU AN, BUS S, BUS U, BUSEC, DY S, ENTSP, FIN, MGMT,  
MIS, MKT, SCM UNDERGRAD MAJORS  
3689010 A2 MTWRF 9:50-11:50  
MEETS: MAY 18-JUNE 12  
Note: SECTION A2 FOR MAJORS OTHER THAN ACCT, ACSCI,  
AG B, AN S, BU AN, BUS S, BUS U, BUSEC, DY S, ENTSP,  
FIN, MGMT, MIS, MKT, P BUS, SCM

## FINANCE

(CONTINUED)

CORPORATE FINANCE FIN 310 3 CREDITS  
Prereq: FIN 301  
Note: COURSE NOT OPEN TO P BUS MAJORS AND GRADUATE STUDENTS  
3691005 A1 MTWRF 7:30-9:30  
MEETS: JULY 13-AUG 7  
Note: SECTION A1 RESTRICTED TO FIN MAJORS ONLY  
3691010 A2 MTWRF 7:30-9:30  
MEETS: JULY 13-AUG 7  
Note: SEC A2 RESTRICTED TO ACCT, ACSCI, BU AN, BUS S, BUS U, BUSEC, ENTSP, MGMT, MIS, MKT, SCM UNDERGRAD MAJORS ONLY

INVESTMENTS FIN 320 3 CREDITS  
Prereq: FIN 301  
Note: COURSE NOT OPEN TO P BUS MAJORS AND GRADUATE STUDENTS  
3692005 A1 MTWRF 9:50-11:50  
MEETS: JUNE 15-JULY 10  
Note: SECTION A1 RESTRICTED TO FIN MAJORS ONLY  
3692010 A2 MTWRF 9:50-11:50PM  
MEETS: JUNE 15-JULY 10  
Note: SEC A2 RESTRICTED TO ACCT, ACSCI, BU AN, BUS S, BUS U, BUSEC, ENTSP, MGMT, MIS, MKT, SCM UNDERGRAD MAJORS ONLY

FINAN MKTS&INSTITUT FIN 330 3 CREDITS  
Prereq: FIN 301  
Note: COURSE RESTRICTED TO UNDERGRAD BUSINESS MAJORS EXCEPT P BUS  
6829005 1 MTWRF 9:50-11:50  
MEETS: MAY 18-JUNE 12

REAL ESTATE PRINCIP FIN 371 3 CREDITS  
Prereq: ECON 101  
Note: COURSE NOT OPEN TO P BUS MAJORS AND GRADUATE STUDENTS  
3690005 A1 MTWRF 9:50-11:50  
MEETS: JULY 13-AUG 7  
Note: SECTION A1 RESTRICTED TO FIN MAJORS ONLY  
3690010 A2 MTWRF 9:50-11:50  
MEETS: JULY 13-AUG 7  
Note: SEC A2 RESTRICTED TO ACCT, ACSCI, BU AN, BUS S, BUS U, BUSEC, ENTSP, MGMT, MIS, MKT, SCM UNDERGRAD MAJORS ONLY

INDEPENDENT STUDY FIN 490 1- 3 CREDITS  
Prereq: 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  
Prereq: GPA 2.5; PERMISSION OF INTERNSHIP COORDINATOR; STAT 326  
Satisfactory-Fail Only.  
9403005 1 ARRANGED  
MEETS: MAY 18-AUG 7  
Note: Department permission required.

INSURANCE INTERNSHP FIN 499B 1- 3 CREDITS  
Prereq: FIN 361; STAT 326; GPA 2.5; PERMISSION OF INTERNSHIP COORDINATOR  
Satisfactory-Fail Only.  
9555005 1 ARRANGED  
MEETS: MAY 18-AUG 7  
Note: Department permission required.

INTERNS REAL ESTATE FIN 499C 1- 3 CREDITS  
Prereq: FIN 301 PLUS 3 ADDL CREDITS IN FINANCE; STAT 326; GPA 2.5; PERMISSN OF INTERNSHIP COORDINATOR  
Satisfactory-Fail Only.  
3098005 1 ARRANGED  
MEETS: MAY 18-AUG 7  
Note: Department permission required.

INTERNSHIP INVESTMT FIN 499D 1- 3 CREDITS  
Prereq: FIN 320, STAT 326, GPA 2.5, PERMISSION OF INTERNSHIP COORDINATOR  
Satisfactory-Fail Only.  
6516005 1 ARRANGED  
MEETS: MAY 18-AUG 7  
Note: Department permission required.

INTERNSHP:CORPORATE FIN 499E 1- 3 CREDITS  
Prereq: FIN 310, STAT 326, GPA 2.5, PERMISSION OF INTERNSHIP COORDINATOR  
Satisfactory-Fail Only.  
2736005 1 ARRANGED  
MEETS: MAY 18-AUG 7  
Note: Department permission required.

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

## FOOD SCIENCE &amp; 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 18-JULY 10  
Note: Course delivery is WWW

INTRO HUMAN NUTRITN FS HN 167 3 CREDITS  
Prereq: HIGH SCHOOL BIOLOGY OR 3 CR OF BIOLOGY  
3600005 1 ARRANGED  
MEETS: MAY 18-AUG 7  
Note: Course delivery is WWW

NUTRI ACTIV LIFSTYL FS HN 265 3 CREDITS  
Prereq: FS HN 167; FS HN 264 OR CREDIT OR ENROLLMENT IN BBMB 301  
6232005 1 ARRANGED  
MEETS: JUNE 15-AUG 7  
Note: Course delivery is WWW

FOOD CHEMISTRY FS HN 311 3 CREDITS  
Prereq: ENGL 250; CHEM 231 OR CHEM 331; CREDIT OR ENROLLMENT IN BBMB 301  
3669005 1 ARRANGED  
MEETS: MAY 18-AUG 7  
Note: Course delivery is WWW

MED TERMNOL FOR PRO FS HN 367 1 CREDIT  
9487010 2 ARRANGED  
MEETS: JUNE 15-AUG 7  
Note: Course delivery is WWW

FOOD LAWS&REGULATNS FS HN 403 2 CREDITS  
Prereq: 3 CREDITS IN FOOD SCIENCE COURSEWORK AT 200 LEVEL OR ABOVE  
3679005 1 ARRANGED  
MEETS: MAY 18-JULY 10  
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

INDEP STDY 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 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

IND STUDY INT'L EXP FS HN 490D 1- 6 CREDITS  
Prereq: PERMISSION OF INSTRUCTOR  
Note: NO MORE THAN 6 CREDITS OF 490 MAY BE APPLIED TOWARD GRADUATION  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

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

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

SUPRV WORK FOOD SCI FS HN 491B 1- 4 CREDITS  
Prereq: ADVANCE APPROVAL OF INSTRUCTOR & ADVISER  
Note: NO MORE THAN 4 CREDITS OF FS HN 491A,B,C,D MAY BE APPLIED TOWARD GRADUATION  
Satisfactory-Fail Only.  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

SUPR WORK NUTRITION FS HN 491C 1- 4 CREDITS  
Prereq: ADVANCE APPROVAL OF INSTRUCTOR & ADVISER  
Note: NO MORE THAN 4 CREDITS OF FS HN 491A,B,C,D MAY BE APPLIED TOWARD GRADUATION  
Satisfactory-Fail Only.  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

## FOOD SCIENCE &amp; HUMAN NUTRITION (CONTINUED)

SUPRV WORK CULINARY FS HN 491D 1- 4 CREDITS  
Prereq: ADVANCE APPROVAL OF INSTRUCTOR & ADVISER  
Note: NO MORE THAN 4 CREDITS OF FS HN 491A,B,C,D MAY BE APPLIED TOWARD GRADUATION  
Satisfactory-Fail Only.  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

TRAVEL - INTERNATNL FS HN 496A 1- 4 CREDITS  
Prereq: PERMISSION OF INSTRUCTOR  
Note: Meets international perspectives reqmt  
6295800 IT ARRANGED BEIRMAN E  
MEETS: MAY 11-25  
Note: SEC IT TAUGHT IN ITALY- ROME, TUSCANIA, FLORANCE, PISA & PARMA. TOPIC: FOR THE LOVE OF ITALY & FOOD: MEDITERRANEAN DIET TOUR. STUDY ABROAD SUMMER 2020. OFFERED FOR 2 CREDITS  
Study Abroad Administrative Fee Applies  
6295805 TH ARRANGED BOWKER D  
MEETS: MAY 11-25  
Note: SEC TH TAUGHT IN THAILAND & CAMBODIA  
GLOBAL HEALTHCARE EXPERIENCE. STUDY ABROAD SPRING 2020.  
Study Abroad Administrative Fee Applies  
6295810 UK ARRANGED CAMPBELL C  
MEETS: AUG 3-16  
Note: SEC UK TAUGHT IN SCOTLAND, UK. SUSTAINABILITY, NUTRITION, & NATURE IN SHETLAND. SUMMER 2020  
STUDY ABROAD. OFFERED FOR 3 CREDITS.  
Study Abroad Administrative Fee Applies

UNDERGRAD RESEARCH FS HN 499 1- 6 CREDITS  
Prereq: PERMISSION OF STAFF MEMBER WITH WHOM STUDENT PROPOSES TO WORK  
Note: NO MORE THAN 6 CREDITS OF FS HN 499 MAY BE APPLIED TOWARD GRADUATION  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

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

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

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

TRAVEL - INTERNATNL FS HN 596A 1- 4 CREDITS  
Prereq: PERMISSION OF INSTRUCTOR  
Note: Meets international perspectives reqmt  
6306800 IT ARRANGED BEIRMAN E  
MEETS: MAY 11-25  
Note: SEC IT TAUGHT IN ITALY- ROME, TUSCANIA, FLORANCE, PISA & PARMA. TOPIC: FOR THE LOVE OF ITALY & FOOD: MEDITERRANEAN DIET TOUR. STUDY ABROAD SUMMER 2020. OFFERED FOR 2 CREDITS  
Study Abroad Administrative Fee Applies  
6306805 TH ARRANGED BOWKER D  
MEETS: MAY 11-25  
Note: SEC TH TAUGHT IN THAILAND & CAMBODIA  
GLOBAL HEALTHCARE EXPERIENCE. STUDY ABROAD SPRING 2020.  
Study Abroad Administrative Fee Applies  
6306810 UK ARRANGED CAMPBELL C  
MEETS: AUG 3-16  
Note: SEC UK TAUGHT IN SCOTLAND, UK. SUSTAINABILITY, NUTRITION, & NATURE IN SHETLAND. SUMMER 2020  
STUDY ABROAD. OFFERED FOR 3 CREDITS.  
Study Abroad Administrative Fee Applies

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

SEMINAR FS HN 681 1 CREDIT  
3648005 1 ARRANGED  
MEETS: MAY 18-AUG 7

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

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

## FORESTRY

SPL PROB LEADERSHIP FOR 290A 1- 4 CREDITS  
Prereq: FROSH OR SOPH CLASSIF, INSTRUCTOR PERMISN  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

## FORESTRY (CONTINUED)

SPL PROB ECOSYS MGT FOR 290B 1- 4 CREDITS  
Prereq: FROSH OR SOPH CLASSIF, INSTRUCTOR PERMISN  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

SPL PRB RESRC CNSRV FOR 290C 1- 4 CREDITS  
Prereq: FROSH OR SOPH CLASSIF, INSTRUCTOR PERMISN  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

SPL PROB URB&COMMUN FOR 290D 1- 4 CREDITS  
Prereq: FROSH OR SOPH CLASSIF, INSTRUCTOR PERMISN  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

SPL PROB WOOD SCIEN FOR 290E 1- 4 CREDITS  
Prereq: FROSH OR SOPH CLASSIF, INSTRUCTOR PERMISN  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

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

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

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

CR COMP FOR MGT&ADM FOR 599D 1-12 CREDITS  
Note: Instructor permission required 1st week.  
\*\*\*\*\* 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 RSRCH FOR 699A 1-12 CREDITS  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

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

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

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

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

RSRCH 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 FRNCH 490 MAY BE APPLIED TOWARD GRADUATION  
Permission of department chair required.  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

SPL TOP LANG PEDAGY FRNCH 590C 2- 4 CREDITS  
Prereq: INSTRUCTOR PERMISSN; 6 CR 400-LEVEL FRNCH  
Note: Permission of department chair required.  
2393005 1 ARRANGED  
MEETS: JUNE 15-AUG 7

## GENETICS

PRINCIP OF GENETICS GEN 313 3 CREDITS  
Prereq: BIOL 211 & BIOL 212L, CREDIT OR ENROLLMENT IN ORGANIC CHEMISTRY  
Note: CREDIT FOR ONLY ONE OF THE FOLLOWING MAY BE APPLIED TOWARD GRADUATION: GEN 260, GEN/BIOL 313/301 AND 313L/301L, GEN/AGRON 320  
9559600 XW ARRANGED BOURY N  
MEETS: MAY 18-AUG 7  
Note: Section XW is off campus  
Course delivery is WWW  
Delivery fee \$150.00

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



## GENETICS

(CONTINUED)

SPL TOPICS GENETICS GEN 495 1- 3 CREDITS  
Prereq: GEN 313, JUNIOR OR SENIOR CLASSIFICATION,  
PERMISSION OF INSTRUCTOR  
Note: GENETICS STUDENTS MAY USE NO MORE THAN 9 CREDITS  
OF 490-499 UNIVERSITY WIDE TOWARD GRADUATION  
\*\*\*\*\*  
SEE DEPT FOR REFERENCE NUMBERS

ATTEND&CRITIQ SEMNR GEN 496 1 CREDIT  
Prereq: GEN 313, JUNIOR OR SENIOR CLASSIFICATION,  
PERMISSION OF INSTRUCTOR  
Note: GENETICS STUDENTS MAY USE NO MORE THAN 9 CREDITS  
OF UNIVERSITY-WIDE 490-499 CREDITS TOWARD GRADUATION  
Satisfactory-Fail Only.  
\*\*\*\*\*  
SEE DEPT FOR REFERENCE NUMBERS

GENETICS RESEARCH GEN 499 1- 5 CREDITS  
Prereq: GEN 313, JR/SR CLASSIFICATION, PERMISSION  
OF INSTRUCTOR  
Note: GENETICS STUDENTS MAY USE NO MORE THAN 9 CREDITS  
OF UNIVERSITY-WIDE 490-499 CREDITS TOWARD GRADUATION  
\*\*\*\*\*  
SEE DEPT FOR REFERENCE NUMBERS

GENET RESRCH HONORS GEN 499H 1- 5 CREDITS  
Prereq: GEN 313, JR/SR CLASSIFICATION, PERMISSION  
OF INSTRUCTOR. MEMBERSHIP IN UNIVERSITY HONORS  
PROGRAM.  
Note: GENETICS STUDENTS MAY USE NO MORE THAN 9 CREDITS  
OF UNIVERSITY-WIDE 490-499 CREDITS TOWARD GRADUATION  
\*\*\*\*\*  
SEE DEPT FOR REFERENCE NUMBERS

**GENETICS - INTERDISCIPLINARY**

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

GRAD RESEARCH ROTAT GENET 697 VAR. CREDITS  
Satisfactory-Fail Only.  
9316005 1 ARRANGED  
MEETS: MAY 18-AUG 7

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

**GENETICS, DEVELOPMENT & CELL BIOL**

SPECIAL TOPICS GDCB 590 VAR. CREDITS  
Prereq: PERMISSION OF INSTRUCTOR  
Note: COURSE ONLY OFFERED FOR 1-5 CREDITS SUMMER 2020  
\*\*\*\*\*  
SEE DEPT FOR REFERENCE NUMBERS

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

**GEOLOGY**

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 23-JULY 3  
Note: Instructor permission required.  
Tuition Category: Camp fee

INDEPENDENT STUDY GEOL 490 1- 3 CREDITS  
Prereq: 6 CR IN GEOLOGY & PERMISSN OF INSTRUCTOR  
Note: NO MORE THAN 9 CREDITS OF GEOL 490 MAY BE  
APPLIED TOWARD GRADUATION  
\*\*\*\*\*  
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 PALEONTOLGY GEOL 590D 1- 3 CREDITS  
Prereq: PERMISSION OF INSTRUCTOR  
\*\*\*\*\*  
SEE DEPT FOR REFERENCE NUMBERS

SPL TOPCS PETROLOGY GEOL 590E 1- 3 CREDITS  
Prereq: PERMISSION OF INSTRUCTOR  
\*\*\*\*\*  
SEE DEPT FOR REFERENCE NUMBERS

## GEOLOGY

(CONTINUED)

SPCL TOP STRUCTURAL GEOL 590F 1- 3 CREDITS  
Prereq: PERMISSION OF INSTRUCTOR  
\*\*\*\*\*  
SEE DEPT FOR REFERENCE NUMBERS

SPCL TOPICS GEOCHEM GEOL 590G 1- 3 CREDITS  
Prereq: PERMISSION OF INSTRUCTOR  
\*\*\*\*\*  
SEE DEPT FOR REFERENCE NUMBERS

SPL TOPCS HYDROGEOL GEOL 590H 1- 3 CREDITS  
Prereq: PERMISSION OF INSTRUCTOR  
\*\*\*\*\*  
SEE DEPT FOR REFERENCE NUMBERS

SPL TOPCS EARTH SCI GEOL 590I 1- 3 CREDITS  
Prereq: PERMISSION OF INSTRUCTOR  
\*\*\*\*\*  
SEE DEPT FOR REFERENCE NUMBERS

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

RSRCH 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

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

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

## GEOLOGY

(CONTINUED)

RSRCH CMPUT MTH&GIS GEOL 699P VAR. CREDITS  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

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

RSEARCH GEOSCI EDUC GEOL 699S VAR. CREDITS  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

## GERMAN

HOLOCAUST TEXT,IMAG GER 371 3- 4 CREDITS  
 Prereq: SOPHOMORE CLASSIFICATION. FOR 4TH CREDIT,  
 6 CREDITS IN GERMAN AT THE 300 LEVEL.  
 Note: Meets international perspectives reqmt  
 3764605 XV ARRANGED  
 MEETS: MAY 18-JULY 10  
 Note: SECTION XV IS FOR 4 CREDITS. COURSEWORK IN  
 GERMAN.  
 Section XV is off campus  
 Course delivery is WWW  
 Delivery fee \$200.00  
 3764600 XW ARRANGED  
 MEETS: MAY 18-JULY 10  
 Note: SECTION XW IS OFFERED FOR 3 CREDITS  
 Section XW is off campus  
 Course delivery is WWW  
 Delivery fee \$150.00

## GERONTOLOGY

GERONTL PREPRAC SEM GERON 466 1 CREDIT  
 Prereq: 9 CR IN CORE COURSES FOR THE GERON  
 MINOR & APPROVAL OF GERON UNDERGRAD COORDINATOR  
 7869005 1 ARRANGED  
 MEETS: MAY 18-JULY 10

GERONTOL PRACTICUM GERON 467 3- 6 CREDITS  
 Prereq: GERON 466, ADVANCE RESERVATION  
 Satisfactory-Fail Only.  
 7870005 1 ARRANGED  
 MEETS: MAY 18-AUG 7

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

INTERNSHIP GERON 591 1- 9 CREDITS  
 9810061 MS ARRANGED  
 MEETS: MAY 18-AUG 7  
 9810077 PM ARRANGED  
 MEETS: MAY 18-AUG 7

CREATIVE COMPONENT GERON 599 VAR. CREDITS  
 9839005 1 ARRANGED  
 MEETS: MAY 18-AUG 7

RESEARCH GERON 699 VAR. CREDITS  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

## GLOBAL RESOURCE SYSTEMS

APPRENTICESHIP GLOBE 221 R CREDIT  
 Satisfactory-Fail Only.  
 6652005 1 ARRANGED  
 MEETS: MAY 18-AUG 7

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

INTERNSHIP - GLOBAL GLOBE 321 3- 6 CREDITS  
 Prereq: GLOBE 320; JR. OR SR. CLASSIFICATION IN  
 GLOBAL RESOURCE SYSTEMS MAJOR; PERMISSION OF  
 INSTRUCTOR AND APPROVAL BY THE GLOBAL RESOURCE  
 SYSTEMS FACULTY COORDINATOR  
 Note: NO MORE THAN 12 CREDITS OF GLOBE 321 AND  
 GLOBE 322 MAY BE APPLIED TOWARD DEGREE REQUIREMENTS  
 Meets international perspectives reqmt  
 8676005 1 ARRANGED  
 MEETS: MAY 18-AUG 7

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 18-AUG 7  
 Note: Instructor permission required.

## GLOBAL RESOURCE SYSTEMS

(CONTINUED)

COOPERATIVE EDUCATN GLOBE 398 R CREDIT  
 Prereq: PERMISSION OF FACULTY COORDINATOR FOR THE  
 MAJOR, COMPLETION OF COOPERATIVE EDUCATION APPROVAL  
 FORM, REGISTRATION IN GLOBE 398X PRIOR TO COMMENCING  
 WORK PERIOD  
 Satisfactory-Fail Only.  
 9743005 1 ARRANGED  
 MEETS: MAY 18-AUG 7

SENIOR PROJECT GLOBE 401 3 CREDITS  
 Prereq: SENIOR CLASSIFICATION IN GLOBE  
 6799005 1 ARRANGED  
 MEETS: MAY 18-AUG 7

SENIOR PROJ HONORS GLOBE 401H 3 CREDITS  
 8914005 1 ARRANGED  
 MEETS: MAY 18-AUG 7

INDEPENDENT STUDY GLOBE 490A 1- 4 CREDITS  
 Prereq: INSTRUCTOR PERMISSION; APPROVAL BY  
 THE GLOBAL RESOURCE SYSTEMS FACULTY COORDINATOR  
 Note: NO MORE THAN 9 CREDITS OF 490 (ANY DEPT) MAY BE  
 APPLIED TOWARD GRADUATION IN GLOBAL RESOURCE SYSTEMS  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

IND STDY ENTREPRENR 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 18-AUG 7

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 18-AUG 7

SERVICE LEARN INT'L GLOBE 494A VAR. CREDITS  
 Prereq: PERMISSION OF INSTRUCTOR  
 Note: Meets international perspectives reqmt  
 3581800 UG ARRANGED DUERFELDT K  
 MEETS: MAY 25-JULY 3  
 Note: SEC UG TAUGHT IN UGANDA. CREATING A SCHOOL  
 GARDEN; SERVICE LEARNING IN UGANDA. STUDY ABROAD  
 SUMMER 2020. OFFERED FOR 4 CREDITS.  
 Study Abroad Administrative Fee Applies

SERV LRNG DOMESTIC GLOBE 494B VAR. CREDITS  
 Prereq: PERMISSION OF INSTRUCTOR  
 3604005 VI ARRANGED  
 MEETS: MAY 18-AUG 7

SVC LRNG U.S.DVRSTY GLOBE 494C 3 CREDITS  
 Prereq: PERMISSION OF INSTRUCTOR  
 Note: Meets U.S. diversity reqmt  
 9775005 1 ARRANGED  
 MEETS: MAY 18-AUG 7

DEANS GLOBL AG PROG GLOBE 497 1- 4 CREDITS  
 Note: Meets international perspectives reqmt  
 8985800 IT ARRANGED MACDONALD R  
 MEETS: MAY 11-JUNE 5  
 Note: SECT IT TAUGHT IN ROME, ITALY. DEAN'S GLOBAL &  
 AGRICULTURE LEADERSHIP PROGRAM: ROME. STUDY ABROAD  
 SUMMER 2020. OFFERED FOR 3 CREDITS  
 Study Abroad Administrative Fee Applies

## GRADUATE STUDIES

PREP FAC TCHG PRACT GR ST 587 1- 3 CREDITS  
 Prereq: PERMISSION OF INSTRUCTOR, GR ST 585,  
 CREDIT FOR OR CONCURRENT ENROLLMENT IN GR ST 586  
 7679005 1 ARRANGED  
 MEETS: MAY 18-AUG 7  
 Note: Instructor permission required.

PREP FTR FAC SPL TP GR ST 588 1- 3 CREDITS  
 Prereq: PERMISSION OF INSTRUCTOR, GR ST 585,  
 CREDIT FOR OR CONCURRENT ENROLLMENT IN GR ST 586  
 8341005 1 ARRANGED  
 MEETS: MAY 18-AUG 7  
 Note: Instructor permission required.

REQD REG:FINAL EXAM GR ST 681B 1 CREDIT  
 Prereq: MUST HAVE COMPLETED ALL NECESSARY PROGRAM  
 REQUIREMENTS TO TAKE FINAL EXAM  
 Note: CREDIT IN GR ST 681B MAY NOT BE APPLIED  
 TOWARD GRADUATION  
 Satisfactory-Fail Only.  
 8117005 1 ARRANGED  
 MEETS: MAY 18-AUG 7

## GRADUATE STUDIES

(CONTINUED)

REQD REG:GRAD ASST GR ST 681C 1 CREDIT  
 Prereq: MUST BE A GRADUATE ASSISTANT  
 Note: CREDIT IN GR ST 681C MAY NOT BE APPLIED  
 TOWARD GRADUATION  
 Satisfactory-Fail Only.  
 8122005 1 ARRANGED  
 MEETS: MAY 18-AUG 7

PRACTICAL TRAINING GR ST 697 R CREDIT  
 6905005 1 ARRANGED  
 MEETS: MAY 18-AUG 7  
 Note: THE REQUIRED APPROVAL SIGNATURE SHOULD BE  
 OBTAINED IN 1137 PEARSON HALL  
 College permission required.

**GRAPHIC DESIGN**

GRPH DSGN INTERNSHP ARTGR 480 3 CREDITS  
 Prereq: ARTGR 377, 12 CR IN GRAPHIC DESIGN;  
 INSTR PERMISSN, REGISTRATION IN ADVANCE OF ENROLLMENT  
 7746005 1 ARRANGED  
 MEETS: MAY 18-AUG 7

STUDIES IN GRPH DSN ARTGR 484 1- 3 CREDITS  
 Prereq: CONCURRENT ENROLLMENT IN ARTGR 370,  
 ARTGR 371, OR ARTGR 470  
 Note: Instructor permission required 1st week.  
 8261005 1 ARRANGED  
 MEETS: MAY 18-JULY 10  
 Note: TOPIC: LOGO AND ICON IN DESIGN. SECTION 1 OFFERED  
 FOR 3 CREDITS SUMMER 2020.  
 Course delivery is WWW

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

GRAPHIC DSN ABROAD ARTGR 495 3 CREDITS  
 Prereq: PERMISSION OF INSTRUCTOR  
 1821800 EN ARRANGED BRUSKI P  
 MEETS: MAY 12-30  
 Note: SEC EN TAUGHT IN EUROPE. TOPIC: GRAPHIC DESIGN  
 ABROAD. STUDY ABROAD SUMMER 2020. OFFERED FOR 3  
 CREDITS

STUDIES IN GRPH DSN ARTGR 584 1- 3 CREDITS  
 Prereq: GRAD CLASSIFICATION IN COLLEGE OF DESIGN  
 Note: COURSE ONLY OFFERED FOR 2 CREDITS SUMMER 2020  
 Instructor permission required 1st week.  
 8262005 1 ARRANGED  
 MEETS: MAY 18-JULY 10  
 Note: TOPIC: LOGO AND ICON IN DESIGN. SECTION 1 OFFERED  
 FOR 3 CREDITS SUMMER 2020.  
 Course delivery is WWW

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

GRAPHIC DSGN IN EUR ARTGR 595 3 CREDITS  
 Prereq: GRAD CLASSIF, 494 OR EQUIV, INSTR PERMISSN  
 1910800 EN ARRANGED BRUSKI P  
 MEETS: MAY 12-30  
 Note: SEC EN TAUGHT IN EUROPE. TOPIC: GRAPHIC DESIGN  
 ABROAD. STUDY ABROAD SUMMER 2020. OFFERED FOR 3  
 CREDITS

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

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

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

**HEALTH STUDIES**

INTERNSHP HLTH STDI H S 485 8-16 CREDITS  
 Prereq: SENIOR CLASSIFICATION AND ADVANCE  
 REGISTRATION  
 Satisfactory-Fail Only.  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

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

**HIGHER EDUCATION**

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

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

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

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

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

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

SP TOP INSTITNL RES HG ED 590G 1- 4 CREDITS  
 Prereq: 9 CREDITS IN EDUCATION  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

SUPV FIELD EXPERIEN HG ED 591 1- 4 CREDITS  
 Prereq: 9 CREDITS GRADUATE WORK  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

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

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

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

**HISTORY**

HISTORY OF IOWA HIST 370 3 CREDITS  
 Prereq: SOPHOMORE CLASSIFICATION  
 Note: COURSE RESTRICTED TO SOPHOMORES AND ABOVE  
 4222600 XW ARRANGED BREMER J  
 MEETS: MAY 18-JUNE 12  
 Note: Section XW is off campus  
 Course delivery is WWW  
 Delivery fee \$150.00

LATINA/O HISTORY HIST 372 3 CREDITS  
 Note: Meets U.S. diversity reqmt  
 8007600 XW ARRANGED BEHNKEN M  
 MEETS: JUNE 15-JULY 10  
 Note: Section XW is off campus  
 Course delivery is WWW

INDEPENDENT STUDY HIST 490 1- 3 CREDITS  
 Prereq: 9 CREDITS IN HISTORY; PERMISSION OF  
 DEPARTMENT CHAIR  
 Note: COURSE NOT OPEN TO FRESHMEN. NO MORE THAN 6  
 CREDITS OF HIST 490 MAY BE APPLIED TOWARD GRADUATION  
 WITH A MAJOR IN HISTORY. NO CREDITS OF HIST 490 MAY  
 BE APPLIED TOWARD A MINOR IN HISTORY.  
 Instructor permission required 1st week.  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

SPECIAL TOPICS HIST 590 1- 3 CREDITS  
 Prereq: PERMISSION OF INSTRUCTOR  
 Note: Instructor permission required 1st week.  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

CREATIVE COMPONENT HIST 599 1- 6 CREDITS  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

RESEARCH HIST 699 1- 6 CREDITS  
 Note: Instructor permission required 1st week.  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

**HONORS**

INDEP STUDY HONORS HON 490 VAR. CREDITS  
 Prereq: MEMBERSHIP IN THE UNIV HONORS PROGRAM,  
 PERMISSION OF FACULTY DIRECTOR OF UNIV HONORS PROGRAM  
 Note: Department permission required.  
 \*\*\*\*\* 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 128 CREDITS REQUIRED FOR GRADUATION.  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

COOPERATIVE EDUCATN HORT 398 R CREDIT  
Prereq: PERMISSION OF DEPARTMENT RESOURCE AND CAREER CENTER COORDINATOR  
Satisfactory-Fail Only.  
3652005 1 ARRANGED  
MEETS: MAY 18-AUG 7

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 STDY 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 STDY 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 STUDY VEG CROPS HORT 490E VAR. CREDITS  
Prereq: JUNIOR OR SENIOR CLASSIFICATION IN HORTICULTURE OR PERMISSION OF INSTRUCTOR  
Note: NO MORE THAN 4 CREDITS OF HORT 490 AND AN ADDITIONAL 2 CREDITS OF 490 FROM OUTSIDE HORTICULTURE MAY BE USED TOWARD THE TOTAL OF 129 CREDITS REQUIRED FOR GRADUATION  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

IND STU CROSS-COMMO HORT 490F VAR. CREDITS  
Prereq: JUNIOR OR SENIOR CLASSIFICATION IN HORTICULTURE OR PERMISSION OF INSTRUCTOR  
Note: NO MORE THAN 4 CREDITS OF HORT 490 AND AN ADDITIONAL 2 CREDITS OF 490 FROM OUTSIDE HORTICULTURE MAY BE USED TOWARD THE TOTAL OF 129 CREDITS REQUIRED FOR GRADUATION  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

IND ST LANDSCP HORT HORT 490G VAR. CREDITS  
Prereq: JUNIOR OR SENIOR CLASSIFICATION IN HORTICULTURE OR PERMISSION OF INSTRUCTOR  
Note: NO MORE THAN 4 CREDITS OF HORT 490 AND AN ADDITIONAL 2 CREDITS OF 490 FROM OUTSIDE HORTICULTURE MAY BE USED TOWARD THE TOTAL OF 129 CREDITS REQUIRED FOR GRADUATION  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

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 STDY ENTREPRENR HORT 490J VAR. CREDITS  
Prereq: JUNIOR OR SENIOR CLASSIFICATION IN HORTICULTURE OR PERMISSION OF INSTRUCTOR  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

**HORTICULTURE**

(CONTINUED)

SEED SCI INTERNSHIP HORT 491 1- 2 CREDITS  
Prereq: AGRON 338, ADVANCED APPROVAL AND PARTICIPATION OF EMPLOYER AND INSTRUCTOR  
Note: Instructor permission required.  
9370005 1 ARRANGED  
MEETS: MAY 18-AUG 7

SERV LEARN DOMESTC HORT 494B VAR. CREDITS  
Prereq: PERMISSION OF INSTRUCTOR  
3163005 1 ARRANGED  
MEETS: MAY 18-AUG 7  
Note: VIRGIN ISLANDS

SPECIAL TOPICS HORT 590 VAR. CREDITS  
Prereq: A MAJOR OR MINOR IN HORTICULTURE  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

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

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

RSRCH NURSERY CROPS HORT 699B VAR. CREDITS  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

RESEARCH TURFGRASS HORT 699C VAR. CREDITS  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

RESRCH FRUIT CROPS HORT 699D VAR. CREDITS  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

RESEARCH VEG CROPS HORT 699E VAR. CREDITS  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

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

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

**HOSPITALITY MANAGEMENT**

GLOBAL TOURISM MGT HSP M 260 3 CREDITS  
Note: Meets international perspectives reqmt  
6738005 1 ARRANGED  
MEETS: MAY 18-JUNE 12  
Note: Course delivery is WWW

INTERNSHIP HOSPTLTY HSP M 470 3- 6 CREDITS  
Prereq: AESHM 270, AESHM 211, 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 HOSPLITY 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

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

HOSPLTY MGT SCHOLAR HSP M 505 1 CREDIT  
3423005 1 TW 8:00-5:00, ARRANGED  
MEETS: MAY 18-AUG 7  
Note: CAMPUS MEETINGS JUNE 5-6 ONLY

CURR ISS HSP LTY MGT HSP M 506 1 CREDIT  
3458005 1 S 8:00-5:00, ARRANGED  
MEETS: MAY 18-AUG 7  
Note: CAMPUS MEETINGS JUNE 23-24 ONLY. THE SUNDAY MEETING IS ALSO 8:00-5:00.

## HOSPITALITY MANAGEMENT (CONTINUED)

SP TOP HOSPITALITY MGT HSP M 590B VAR. CREDITS  
Prereq: 9 CR IN HSP M AT 400 LEVEL OR ABOVE AND  
SUBMISSION OF APPLICATION TO DEPARTMENT  
Note: Instructor permission required 1st week.  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

SPL TOP CMMRC FDSRV HSP M 590E VAR. CREDITS  
Prereq: 9 CR IN HSP M AT 400 LEVEL OR ABOVE AND  
SUBMISSION OF APPLICATION TO DEPARTMENT  
Note: Instructor permission required 1st week.  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

CREATIVE COMPONENT HSP M 599 VAR. CREDITS  
Note: Instructor permission required 1st week.  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

PROFESSIONAL WRITING HSP M 604 2 CREDITS  
Prereq: ENROLLMENT IN PH.D. PROGRAM  
8484005 1 ARRANGED  
MEETS: MAY 18-AUG 7

ADV TOP HOSPITALITY 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

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

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

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

**HUMAN DEVELOPMENT & FAMILY STUDIES**

FIELD EXPERIENCES HD FS 317 1- 6 CREDITS  
Prereq: 9 CREDITS IN HD FS  
Satisfactory-Fail Only.  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

GROUP INTL STUDY HD FS 481X 1- 3 CREDITS  
Prereq: PERMISSION BY APPLICATION  
0489800 DK ARRANGED HARDY A  
MEETS: MAY 12-31  
Note: SEC DK TAUGHT IN DENMARK, SWEDEN & NORWAY.  
TOPIC: LESSONS ON HAPPINESS FROM SCANDINAVIA.  
STUDY ABROAD SUMMER 2020. OFFERED FOR 3 CREDITS  
Study Abroad Administrative Fee Applies

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 CR IN HD FS, MEMBERSHIP IN HONORS PROG  
Note: COURSE RESTRICTED TO HONORS PROGRAM STUDENTS ONLY  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

INTERNSHIP HD FS 491 4- 9 CREDITS  
Prereq: HD FS 418B; PERMISSION OF INSTRUCTOR;  
SENIOR CLASSIFICATION; MINIMUM 2.0 GPA  
Satisfactory-Fail Only.  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

RESEARCH HD FS 499 1- 6 CREDITS  
Prereq: PERMISSION OF STAFF MEMBER WITH WHOM  
STUDENT PROPOSED TO WORK, CONSULT DEPARTMENT OFFICE  
FOR PROCEDURES  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

## HUMAN DEVELOPMENT &amp; FAMILY STUDIES (CONTINUED)

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

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

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

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

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

RESEARCH INTERNSHIP HD FS 691B VAR. CREDITS  
Prereq: PERMISSION OF INSTRUCTOR  
Satisfactory-Fail Only.  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

PRO EXPR INTERNSHP HD FS 691D VAR. CREDITS  
Satisfactory-Fail Only.  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

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

**HUMAN SCIENCES**

COOPERATIVE EDUC H SCI 398X R CREDIT  
Prereq: PERMISSION OF CHS CAREER SERVICES  
Satisfactory-Fail Only.  
0303005 1 ARRANGED  
MEETS: MAY 18-AUG 7

IND STDY ENTREPRNSH H SCI 490E 1- 4 CREDITS  
5101005 1 ARRANGED  
MEETS: MAY 18-AUG 7

**IMMUNOBIOLOGY**

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

**INDUSTRIAL DESIGN**

INDUS DSN INTERNSHP IND D 397 6 CREDITS  
Prereq: IND D 202, 18 CR IN INDUSTRIAL DESIGN,  
PERMISSION OF INSTRUCTOR  
6164005 1 ARRANGED  
MEETS: MAY 18-AUG 7

SPL TOP:THRY,MTHDGY IND D 490A VAR. CREDITS  
2616105 TD ARRANGED DHADPHALE T  
MEETS: MAY 18-AUG 7

SPL TOPCS:3-D DSIGN IND D 490C VAR. CREDITS  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

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

SPECIAL PROJECTS IND D 592 VAR. CREDITS  
Prereq: COMPLETION OF INDUSTRIAL DESIGN STUDIO OR  
PERMISSION OF INSTRUCTOR  
4181005 1 MWF 8:30-12:00  
MEETS: MAY 18-JULY 10  
Note: SECT 1 OFFERED FOR 3 CREDITS  
4181010 2 MTWRF 1:10-5:00  
MEETS: MAY 18-JULY 10  
Note: SECT 2 OFFERED FOR 6 CREDITS

INTERNSHIP IND D 597 6 CREDITS  
Prereq: COMPLETION OF INDUSTRIAL DESIGN STUDIO  
OR PERMISSION OF INSTRUCTOR  
9463005 1 ARRANGED  
MEETS: MAY 18-AUG 7

THESIS IND D 699 6 CREDITS  
Prereq: IND D 632  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

**INDUSTRIAL ENGINEERING**

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

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

INDEP STUDY HONORS I E 490H 1- 5 CREDITS  
Prereq: SR CLASSIFICATION, PERMISSION OF INSTR  
UNIV HONORS PROGRAM MEMBERSHIP  
Note: COURSE RESTRICTED TO HONORS PROGRAM STUDENTS ONLY  
Satisfactory-Fail Only.  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

SPECIAL TOPICS I E 590 1- 3 CREDITS  
Satisfactory-Fail Only.  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

CREATIVE COMPONENT I E 599 VAR. CREDITS  
Satisfactory-Fail Only.  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

ADVANCED TOPICS I E 690 1- 3 CREDITS  
Prereq: PERMISSION OF INSTRUCTOR  
Satisfactory-Fail Only.  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

ENGINEER INTERNSHIP I E 697 R CREDIT  
Prereq: PERMISSION OF DEPARTMENT  
Note: Department permission required.  
Satisfactory-Fail Only.  
7999005 1 ARRANGED  
MEETS: MAY 18-AUG 7

RESEARCH I E 699 VAR. CREDITS  
Satisfactory-Fail Only.  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

**INFORMATION ASSURANCE**

INFO ASSURNC INTERN INFAS 697 R CREDIT  
Prereq: PERMISSN OF DEPT, GRADUATE CLASSIFICATION  
Satisfactory-Fail Only.  
8082005 1 ARRANGED  
MEETS: MAY 18-AUG 7

**INTEGRATED STUDIO ARTS**

DRAW III:LIFE DRWNG ARTIS 330 3 CREDITS  
Prereq: ARTIS 230  
Note: Instructor permission required 1st week.  
1802005 1 MTWR 1:00-4:00  
MEETS: MAY 18-JULY 10

PRIN 3D CHAR ANIMAT ARTIS 407 3 CREDITS  
Prereq: ARTIS 308  
2092005 1 MTWR 11:00-3:00  
MEETS: MAY 18-JUNE 26

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.  
Materials and equipment use fee \$141.50  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

IND ST COMPUTER A&D ARTIS 490C 1- 6 CREDITS  
Prereq: WRITTEN APPROVAL OF INSTR AND DEPT CHAIR  
ON REQUIRED FORM IN ADVANCE OF SEMESTER OF ENROLLMENT  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

INDEP STUDY DRAWING ARTIS 490D 1- 6 CREDITS  
Prereq: WRITTEN APPROVAL OF INSTR AND DEPT CHAIR  
ON REQUIRED FORM IN ADVANCE OF SEM OF ENROLLMENT  
Note: Instructor permission required 1st week.  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

INDEP STDY TEXTILES ARTIS 490E 1- 6 CREDITS  
Prereq: WRITTEN APPROVAL OF INSTR AND DEPT CHAIR  
ON REQ'D FORM IN ADVANCE OF SEMESTER OF ENROLLMENT  
Note: Instructor permission required 1st week.  
Materials and equipment use fee \$25.00  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

IND ST ILLUSTRATION ARTIS 490F 1- 6 CREDITS  
Prereq: WRITTEN APPROVAL OF INSTR AND DEPT CHAIR  
ON REQUIRED FORM IN ADVANCE OF SEMESTER OF ENROLLMENT  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

**INTEGRATED STUDIO ARTS**

(CONTINUED)

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.  
Materials and equipment use fee \$75.00  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

INDEP STUDY HONORS ARTIS 490H 1- 6 CREDITS  
Prereq: WRITTEN APPROVAL OF INSTR AND DEPT CHAIR  
ON REQUIRED FORM IN ADVANCE OF SEMESTER OF ENROLLMNT.  
MEMBERSHIP IN UNIVERSITY HONORS PROGRAM.  
Note: COURSE RESTRICTED TO HONORS PROGRAM STUDENTS ONLY  
Materials and equipment use fee \$25.00  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

INDEP STDY PAINTING ARTIS 490I 1- 6 CREDITS  
Prereq: WRITTEN APPROVAL OF INSTR AND DEPT CHAIR  
ON REQUIRED FORM IN ADVANCE OF SEM OF ENROLLMENT  
Note: Instructor permission required 1st week.  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

IND STU PHOTOGRAPHY ARTIS 490J 1- 6 CREDITS  
Prereq: WRITTEN APPROVAL OF INSTR AND DEPT CHAIR  
ON REQUIRED FORM IN ADVANCE OF SEMESTER OF ENROLLMENT  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

IND STU PRINTMAKING ARTIS 490K 1- 6 CREDITS  
Prereq: WRITTEN APPROVAL OF INSTR AND DEPT CHAIR  
ON REQUIRED FORM IN ADVANCE OF SEM OF ENROLLMENT  
Note: Instructor permission required 1st week.  
Materials fee \$40.00  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

INDEP STDY FURNITUR ARTIS 490L 1- 6 CREDITS  
Prereq: WRITTEN APPROVAL OF INSTR AND DEPT CHAIR  
ON REQ'D FORM IN ADVANCE OF SEMESTER OF ENROLLMENT  
Note: Instructor permission required 1st week.  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

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: PERMISSION OF INSTRUCTOR  
8159005 1 MTWRF 9:00-11:50  
MEETS: MAY 18-JULY 10  
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 SPECIALZD AREA. WRITTEN APPROVAL OF INSTR AND DEPT CHAIR  
ON REQUIRED FORM IN ADVANCE OF SEM OF ENROLLMNT.  
Note: Instructor permission required 1st week.  
Materials and equipment use fee \$141.50  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

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

SPCL TOPICS DRAWING ARTIS 590D VAR. CREDITS  
Prereq: BACHELOR'S DEGREE IN ART AND/OR DSGN,  
OR EVIDENCE OF SATISFACTORY EQUIVALENCY IN SPECIALZD AREA. WRITTEN APPROVAL OF INSTR AND DEPT CHAIR  
ON REQUIRED FORM IN ADVANCE OF SEMESTER OF ENROLLMNT.  
Note: Instructor permission required 1st week.  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

SPL TOPC ILLUSTRATN ARTIS 590F VAR. CREDITS  
Prereq: BACHELOR'S DEGREE IN ART AND/OR DSGN,  
OR EVIDENCE OF SATISFACTORY EQUIV IN SPECIALZD AREA. WRITTEN APPROVAL OF INSTR AND DEPT CHAIR  
ON REQUIRED FORM IN ADVANCE OF SEM OF ENROLLMNT.  
\*\*\*\*\* 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 SPECIALZD AREA. WRITTEN APPROVAL OF INSTR AND DEPT CHAIR  
ON REQUIRED FORM IN ADVANCE OF SEM OF ENROLLMNT.  
Note: Instructor permission required 1st week.  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

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

## INTEGRATED STUDIO ARTS

(CONTINUED)

SPL TOP PRINTMAKING ARTIS 590K VAR. CREDITS  
 Prereq: BACHELOR'S DEGREE IN ART AND/OR DSGN,  
 OR EVIDENCE OF SATISFACTORY EQUIV IN SPECIALZD  
 AREA. WRITTEN APPROVAL OF INSTR AND DEPT CHAIR  
 ON REQUIRED FORM IN ADVANCE OF SEM OF ENROLLMT.  
 Note: Instructor permission required 1st week.  
 Materials fee \$40.00  
 \*\*\*\*\*  
 SEE DEPT FOR REFERENCE NUMBERS

SPCL TOPCS FURNITUR ARTIS 590L VAR. CREDITS  
 Prereq: BACHELOR'S DEGREE IN ART AND/OR DSGN,  
 OR EVIDENCE OF SATISFACTORY EQUIV IN SPECIALZD  
 AREA. WRITTEN APPROVAL OF INSTR AND DEPT CHAIR  
 ON REQUIRED FORM IN ADVANCE OF SEM OF ENROLLMT.  
 Note: Instructor permission required 1st week.  
 \*\*\*\*\*  
 SEE DEPT FOR REFERENCE NUMBERS

SPL TOP MIXED MEDIA ARTIS 590M VAR. CREDITS  
 Prereq: BACHELOR'S DEGREE IN ART AND/OR DSGN,  
 OR EVIDENCE OF SATISFACTORY EQUIV IN SPECIALZD  
 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 ARRANGED  
 MEETS: MAY 18-AUG 7  
 2663036 CM ARRANGED MARTIN C  
 MEETS: MAY 18-AUG 7  
 2663164 RI ARRANGED IANCU R  
 MEETS: MAY 18-AUG 7

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

RESRCH:THESIS EXHIB ARTIS 699B VAR. CREDITS  
 Note: Materials and equipment use fee \$25.00-\$1,100.00  
 \*\*\*\*\*  
 SEE DEPT FOR REFERENCE NUMBERS

## INTERDISCIPLINARY GRADUATE STUDIES

CREATIVE COMPONENT IGS 599 VAR. CREDITS  
 4480005 1 ARRANGED  
 MEETS: MAY 18-AUG 7

THESIS RESEARCH IGS 699 VAR. CREDITS  
 4481005 1 ARRANGED  
 MEETS: MAY 18-AUG 7

## INTERIOR DESIGN

INT DSGN INTERNSHIP ARTID 460 3 CREDITS  
 Prereq: ARTID 350, ARTID 360, ARTID 365  
 1846005 1 ARRANGED  
 MEETS: MAY 18-AUG 7

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

ID TEACHNG PRACTICM ARTID 554 3 CREDITS  
 Prereq: ARTID 668 AND PERMISSION OF INSTRUCTOR  
 \*\*\*\*\*  
 SEE DEPT FOR REFERENCE NUMBERS

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

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

ADVANCED TOPICS ARTID 690 VAR. CREDITS  
 Prereq: MFA CLASSIFICATION, PERMISSION OF INSTR  
 \*\*\*\*\*  
 SEE DEPT FOR REFERENCE NUMBERS

DESIGN PRACTICUM ARTID 697 1- 9 CREDITS  
 Prereq: APPROVAL OF POS COMMITTEE  
 Note: CREDIT IN ARTID 697 MAY NOT BE APPLIED TO M.A.  
 DEGREE PROGRAM OF STUDY  
 2071005 1 ARRANGED  
 MEETS: MAY 18-AUG 7

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

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

## INTERNATIONAL STUDIES

STDY ABROAD HUMANIT INTST 395B 1- 4 CREDITS  
 Note: COURSE ONLY OFFERED FOR 3 CREDITS SUMMER 2020  
 Instructor permission required.

7820800 DE ARRANGED LOOFT R  
 MEETS: JULY 7-26

Note: SEC DE TAUGHT IN BERLIN, GERMANY. TITLE: BERLIN'S  
 HISTORY THROUGH ART, ARCHITECTURE, & MEMORIALS.  
 STUDY ABROAD SUMMER 2020. OFFERED FOR 3 CREDITS  
 Study Abroad Administrative Fee Applies

7820805 DO ARRANGED MYERS M  
 MEETS: MAY 10-27

Note: SEC DO TAUGHT IN DOMINICAN REPUBLIC.  
 COMMUNITY ENGAGEMENT IN THE DOMINICAN  
 REPUBLIC. STUDY ABROAD SUMMER 2020.  
 OFFERED FOR 3 CREDITS

7820810 FR ARRANGED TAOUTEL J  
 MEETS: MAY 13-JUNE 3

Note: SEC FR TAUGHT IN FRANCE & GERMANY.  
 WARS & PEACE: FRANCE & GERMANY. STUDY ABROAD  
 SUMMER 2020. OFFERED FOR 3 CREDITS.

7820015 F2 ARRANGED TAOUTEL J  
 MEETS: JUNE 8-28

Note: SEC FR TAUGHT IN PARIS, FRANCE. CATHEDRALS OF  
 FRANCE 2020. STUDY ABROAD SUMMER 2020. OFFERED  
 FOR 3 CREDITS.

7820820 IT ARRANGED GOEBEL M  
 MEETS: MAY 14-JUNE 9

Note: SEC IT TAUGHT IN TRIESTE & ITALY TOPIC:  
 TRUESTE & THE MEANING OF PLACE:ITALY. STUDY ABROAD  
 SUMMER 2020. OFFERED FOR 3 CREDITS.

7820025 RG ARRANGED  
 MEETS: MAY 18-AUG 7

Note: Tuition Category: Regents Summer Study Abroad

## IOWA LAKESIDE LABORATORY

ECOLOGY IA LL 312I 4 CREDITS

Note: Permission of Lakeside Lab Office required  
<http://www.continuetolearn.uiowa.edu/lakesidelab>

3707005 1 MTWRF 8:00-5:00  
 MEETS: MAY 18-JUNE 12  
 Note: Tuition Category: Iowa Lakeside Lab

ORNITHOLOGY IA LL 326I 2 CREDITS

Note: Permission of Lakeside Lab Office required  
<http://www.continuetolearn.uiowa.edu/lakesidelab>

3721005 1 MTWRF 8:00-5:00  
 MEETS: JUNE 15-JULY 10  
 Note: Tuition Category: Iowa Lakeside Lab

BEHAVIORAL ECOLOGY IA LL 404I 4 CREDITS

Prereq: TWO SEMESTERS OF BIOLOGY  
 Note: Permission of Lakeside Lab Office required  
<http://www.continuetolearn.uiowa.edu/lakesidelab>

8055005 1 ARRANGED  
 MEETS: MAY 18-AUG 7

FIELD ARCHAEOLOGY IA LL 427I 1- 4 CREDITS

Note: Permission of Lakeside Lab Office required  
<http://www.continuetolearn.uiowa.edu/lakesidelab>

3840005 1 MTWRF 8:00-5:00  
 MEETS: JUNE 15-JULY 10  
 Note: Tuition Category: Iowa Lakeside Lab

INTRODUCTION TO GIS IA LL 461I 4 CREDITS

Note: Permission of Lakeside Lab Office required  
<http://www.continuetolearn.uiowa.edu/lakesidelab>

8067005 1 ARRANGED  
 MEETS: MAY 18-AUG 7

UG INDEP STDY IA LL IA LL 490I 1- 4 CREDITS

Prereq: JR OR SR CLASSIFICATION AND PERMISSION OF  
 INSTRUCTOR  
 Note: Permission of Lakeside Lab Office required  
<http://www.continuetolearn.uiowa.edu/lakesidelab>

3984005 1 ARRANGED  
 MEETS: MAY 18-JUNE 12

Note: Tuition Category: Iowa Lakeside Lab

3984010 2 ARRANGED

MEETS: JUNE 15-JULY 10

Note: Tuition Category: Iowa Lakeside Lab

ENVIRON DATA ANALYS IA LL 532 2 CREDITS

Prereq: AN UNDERGRADUATE COURSE IN STATISTICS,  
 UNDERSTANDING OF BASIC CONCEPTS SUCH AS CORRELATION  
 AND REGRESSION, AND FAMILIARITY WITH PC-BASED  
 SOFTWARE FOR DATA ANALYSIS

Note: Permission of Lakeside Lab Office required  
<http://www.continuetolearn.uiowa.edu/lakesidelab>

8207005 1 ARRANGED  
 MEETS: MAY 18-AUG 7



**JOURNALISM & MASS COMMUNICATION**

MASS MEDIA & SOCIETY JL MC 101 3 CREDITS  
4656005 1A MTWRF 11:00-1:10  
MEETS: JUNE 15-JULY 10  
Note: SECTION 1A RESTRICTED TO ADVRT, JL MC, P R MAJORS  
4656010 1B MTWRF 11:00-1:10  
MEETS: JUNE 15-JULY 10  
Note: SECTION 1B RESTRICTED TO MAJORS OTHER THAN  
ADVRT, JL MC, P R

REPORT&WRIT 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: MAY 18-JULY 10  
Syllabus: <http://www.jlmc.iastate.edu/undergrad/syllabi.html>

DIVRSTY IN THE MDIA JL MC 477 3 CREDITS  
Prereq: JUNIOR CLASSIFICATION  
Note: Meets U.S. diversity reqmt  
4554600 XW ARRANGED GESKE J  
MEETS: MAY 18-JULY 10  
Note: COURSE RESTRICTED TO JUNIOR STATUS AND ABOVE  
Section XW is off campus  
Course delivery is WWW  
Delivery fee \$150.00

INDEP 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  
ADVRT MAJORS: C+ OR BETTER IN JL MC 201 AND ADVRT 301  
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

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  
ADVRT MAJORS: C+ OR BETTER IN JL MC 201 AND ADVRT 301  
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

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

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

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

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

SP TOP SPLZ COMMUNC JL MC 590E 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 2020  
Satisfactory-Fail Only.  
\*\*\*\*\*  
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**

INDEPENDENT STUDY KIN 290 1 CREDIT  
Prereq: SOPHOMORE OR 2ND SEMESTER FRESHMAN,  
PERMISSION OF INSTRUCTOR  
Note: Instructor permission required.  
\*\*\*\*\*  
SEE DEPT FOR REFERENCE NUMBERS

BIOMECHANICS KIN 355 3 CREDITS  
Prereq: PHYS 111 OR PHYS 115  
5752005 1 MTWR 9:50-11:05  
MEETS: MAY 18-JULY 10

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 18-JUNE 26

MOTOR CNTRL LIFESP KIN 372 3 CREDITS  
Prereq: PSYCH 101 OR PSYCH 230, BIOL 255,256  
9623005 1 MTWR 1:20-3:00  
MEETS: MAY 18-JUNE 26

STDY ABROAD KINESIO KIN 381B 2 CREDITS  
Prereq: KIN 381A, ACCEPTED TO STUDY ABROAD BY  
THE PROGRAM DIRECTOR  
Note: Meets international perspectives reqmt  
Satisfactory-Fail Only.  
0485800 IE ARRANGED FRANKE W  
MEETS: MAY 12-27  
Note: SEC IE TAUGHT IN IRELAND. TOPIC:  
EXPERIENCE KINESIOLOGY IN IRELAND,  
STUDY ABROAD SUMMER 2020.  
Study Abroad Administrative Fee Applies

INTRN EXERCISE SCI 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  
Satisfactory-Fail Only.  
\*\*\*\*\*  
SEE DEPT FOR REFERENCE NUMBERS

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

INDEP 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 P E 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  
Note: Instructor permission required 1st week.  
\*\*\*\*\*  
SEE DEPT FOR REFERENCE NUMBERS

SPL TOP EXERC PHYSL 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

SPL TOP BIOMECHANCS KIN 590H 1- 3 CREDITS  
Note: Instructor permission required 1st week.  
\*\*\*\*\*  
SEE DEPT FOR REFERENCE NUMBERS

SPL TOP RSRCH 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

## KINESIOLOGY

(CONTINUED)

PRACTCM COLLEG TCHG KIN 592 1- 3 CREDITS  
Satisfactory-Fail Only.  
\*\*\*\*\* 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 INTERNSHP L A 444A R CREDIT  
Prereq: L A 341 OR PERMISSION OF ADVISER AND  
CHAIR  
3036005 1 ARRANGED  
MEETS: MAY 18-AUG 7

L ARCH STUDY ABROAD L A 444B R CREDIT  
Prereq: L A 341 OR PERMISSION OF ADVISER AND  
CHAIR  
6212005 1 ARRANGED  
MEETS: MAY 18-AUG 7

LA NAT'L STDT XCHNG L A 444C R CREDIT  
Prereq: L A 341 OR PERMISSION OF ADVISER AND  
CHAIR  
6213005 1 ARRANGED  
MEETS: MAY 18-AUG 7

TOPIC INTERDISCIPLIN L A 478I 2- 3 CREDITS  
Prereq: L A 202 OR SENIOR OR GRAD CLASSIFICATION  
Note: COURSE ONLY OFFERED FOR 3 CREDITS SUMMER 2020  
3970005 1 ARRANGED  
MEETS: MAY 18-AUG 7  
Note: TOPIC: DESIGNING FOR HEALTH. SECTION 1 OFFERED  
FOR 3 CREDITS SUMMER 2020.  
Course delivery is WWW

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

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

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

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

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

IND STDY 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 STDY 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

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

## LANDSCAPE ARCHITECTURE

(CONTINUED)

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 INTERDISCIPLIN L A 578I 2- 3 CREDITS  
Prereq: L A 202 OR SENIOR OR GRAD CLASSIFICATION  
Note: COURSE ONLY OFFERED FOR 3 CREDITS SUMMER 2020  
7202005 1 ARRANGED  
MEETS: MAY 18-AUG 7  
Note: TOPIC: DESIGNING FOR HEALTH. SECTION 1 OFFERED  
FOR 3 CREDITS SUMMER 2020.  
Course delivery is WWW

TOPICS CMPTR APPS L A 578K 2- 3 CREDITS  
Prereq: SENIOR OR GRAD CLASSIFICATION  
Note: COURSE ONLY OFFERED FOR 3 CREDITS SUMMER 2019  
9968005 1 MWF 8:40-10:50  
MEETS: JUNE 15-AUG 7

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: APPROVAL OF INSTRUCTOR AND DIRECTOR OF  
GRADUATE EDUCATION ON REQUIRED FORM  
Note: Instructor permission required 1st week.  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

SPL TOPC PLNTNG DSN L A 590B 1- 6 CREDITS  
Prereq: APPROVAL OF INSTRUCTOR AND DIRECTOR OF  
GRADUATE EDUCATION ON REQUIRED FORM  
Note: Instructor permission required 1st week.  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

SPL TOPC CONSTRUCTN L A 590C 1- 6 CREDITS  
Prereq: APPROVAL OF INSTRUCTOR AND DIRECTOR OF  
GRADUATE EDUCATION ON REQUIRED FORM  
Note: Instructor permission required 1st week.  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

SPCL TOPICS HISTORY L A 590D 1- 6 CREDITS  
Prereq: APPROVAL OF INSTRUCTOR AND DIRECTOR OF  
GRADUATE EDUCATION ON REQUIRED FORM  
Note: Instructor permission required 1st week.  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

SPL TOP LANDSC PLAN L A 590E 1- 6 CREDITS  
Prereq: APPROVAL OF INSTRUCTOR AND DIRECTOR OF  
GRADUATE EDUCATION ON REQUIRED FORM  
Note: Instructor permission required 1st week.  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

SPL TOP URBAN DSIGN L A 590F 1- 6 CREDITS  
Prereq: APPROVAL OF INSTRUCTOR AND DIRECTOR OF  
GRADUATE EDUCATION ON REQUIRED FORM  
Note: Instructor permission required 1st week.  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

SPL TOPICS GRAPHICS L A 590G 1- 6 CREDITS  
Prereq: APPROVAL OF INSTRUCTOR AND DIRECTOR OF  
GRADUATE EDUCATION ON REQUIRED FORM  
Note: Instructor permission required 1st week.  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

SPL TOP INTERDISCIP L A 590I 1- 6 CREDITS  
Prereq: APPROVAL OF INSTRUCTOR AND DIRECTOR OF  
GRADUATE EDUCATION ON REQUIRED FORM  
Note: Instructor permission required 1st week.  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

SPL TOP INT'L STUDI L A 590J 1- 6 CREDITS  
Prereq: APPROVAL OF INSTRUCTOR AND DIRECTOR OF  
GRADUATE EDUCATION ON REQUIRED FORM  
Note: Instructor permission required 1st week.  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

SPL TOPC CMPTR APPL L A 590K 1- 6 CREDITS  
Prereq: APPROVAL OF INSTRUCTOR AND DIRECTOR OF  
GRADUATE EDUCATION ON REQUIRED FORM  
Note: Instructor permission required 1st week.  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

## LANDSCAPE ARCHITECTURE (CONTINUED)

SPL TOPC ECO DESIGN L A 590L 1- 6 CREDITS  
Prereq: APPROVAL OF INSTRUCTOR AND DIRECTOR OF GRADUATE EDUCATION ON REQUIRED FORM  
Note: Instructor permission required 1st week.  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

SPL TOP SOCIAL/BEHV L A 590M 1- 6 CREDITS  
Prereq: APPROVAL OF INSTRUCTOR AND DIRECTOR OF GRADUATE EDUCATION ON REQUIRED FORM  
Note: Instructor permission required 1st week.  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

SPL TOP NATU RESRCE L A 590N 1- 6 CREDITS  
Prereq: APPROVAL OF INSTRUCTOR AND DIRECTOR OF GRADUATE EDUCATION ON REQUIRED FORM  
Note: Instructor permission required 1st week.  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

CREATIVE COMPONENT L A 599 1- 8 CREDITS  
Prereq: PERMISSION OF MAJOR PROF  
Note: Instructor permission required 1st week.  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

THESIS RESEARCH L A 699 1- 8 CREDITS  
Prereq: PERMISSION OF MAJOR PROFESSOR  
Note: Instructor permission required 1st week.  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

## LATIN

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

## LEADERSHIP STUDIES

CAMPUS LDRSHP DEVEL LD ST 270 3 CREDITS  
9524005 1 MTWRF 12:10-1:10  
MEETS: JUNE 15-AUG 7  
Note: FOR APEX PROGRAM STUDENTS ONLY

INDEPENDENT STUDY LD ST 290 1- 3 CREDITS  
Prereq: PERMISSION OF THE INSTRUCTOR  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

INDEPENDENT STUDY LD ST 490 1- 3 CREDITS  
Prereq: PERMISSION OF INSTRUCTOR  
Note: Department permission required.  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

## LIBERAL ARTS &amp; SCIENCES

PROFSNL CAREER PREP LAS 203X 1 CREDIT  
Satisfactory-Fail Only.  
0294605 XV ARRANGED WAGNER A  
MEETS: JUNE 15-AUG 7  
Note: SECTION RESTRICTED TO LAS STUDENTS; ONLY SOPHOMORES, JUNIORS AND SENIORS.  
Section XV is off campus  
Course delivery is WWW  
Delivery fee \$50.00  
0294600 XW ARRANGED WAGNER A  
MEETS: MAY 18-JULY 10  
Note: LAS COLLEGE STUDENTS ONLY. SOPHOMORES, JUNIORS AND SENIORS ONLY.  
Section XW is off campus  
Course delivery is WWW  
Delivery fee \$50.00

INTERNSHIP/CO-OP LAS 298 R CREDIT  
Prereq: PERMISSION OF LAS CAREER SERVICES; LAS MAJORS; FRESHMAN OR SOPHOMORE CLASSIFICATION  
Note: Instructor permission required.  
Satisfactory-Fail Only.  
4541015 1 ARRANGED  
MEETS: MAY 18-AUG 7  
4541010 2 ARRANGED  
MEETS: MAY 18-AUG 7

IND STDY ENTREPRNSH LAS 490E VAR. CREDITS  
Prereq: PERMISSION OF THE LAS COLLEGE  
Note: PERMISSION OF THE DEAN OF LAS REQUIRED TO ADD. PROCESS APPROVED ADD SLIP IN 10 ENROLLMENT SERVICES CENTER. NO MORE THAN 9 CREDITS OF LAS 490 MAY BE APPLIED TOWARD GRADUATION.  
College permission required.  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

ADV SERVICE LEARNNG LAS 491A 1- 4 CREDITS  
Prereq: PERMISSION OF THE COLLEGE OF LAS  
Note: COURSE ONLY OFFERED FOR 3 CREDITS SUMMER 2020  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

## LIBERAL ARTS &amp; SCIENCES (CONTINUED)

ADV SVC LRN:INTL PR LAS 491C 1- 4 CREDITS  
Prereq: PERMISSION OF THE COLLEGE OF LAS  
Note: COURSE ONLY OFFERED FOR 3 CREDITS SUMMER 2020  
Meets international perspectives reqmt  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

INTERNSHIP/CO-OP LAS 498 R CREDIT  
Prereq: PERMISSION OF LAS CAREER SERVICES; LAS MAJORS; JUNIOR OR SENIOR CLASSIFICATION  
Note: Instructor permission required.  
Satisfactory-Fail Only.  
4543015 1 ARRANGED  
MEETS: MAY 18-AUG 7  
4543010 2 ARRANGED  
MEETS: MAY 18-AUG 7

INTERNSHIP LAS 499 1- 4 CREDITS  
Prereq: PERMISSION OF LAS CAREER SERVICES  
4466005 1 ARRANGED ELLIOTT A  
MEETS: MAY 18-AUG 7  
4466800 EC ARRANGED VESSONI-DE-LENCE  
MEETS: JUNE 28-JULY 17  
Note: SEC EC TAUGHT IN ECUADOR. TOPIC: GLOBAL INTERNSHIPS & LANGUAGE IN CUENCA, ECUADOR.  
STUDY ABROAD SUMMER 2020  
OFFERED FOR 3 CREDITS  
Study Abroad Administrative Fee Applies

## LIBRARY

INFORMATN LITERACY LIB 160 1 CREDIT  
Prereq: COMPLETION OF ENGL 101 REQUIRED FOR STUDENTS PLACED IN ENGL 101  
Satisfactory-Fail Only.  
4862005 1 MW 11:00-12:00  
ARRANGED  
MEETS: MAY 18-JUNE 12  
4862010 2 TR 1:20-2:20, ARRANGED  
MEETS: MAY 18-JUNE 12

## LINGUISTICS

INTRO WORLD LANGUAG LING 119 3 CREDITS  
Note: Meets international perspectives reqmt  
6257600 XW ARRANGED  
MEETS: MAY 18-JULY 10  
Note: COURSE FEE OF \$150  
Section XW is off campus  
Course delivery is WWW

A LING APPRCH TABOO LING 169X 3 CREDITS  
0589600 XW ARRANGED  
MEETS: MAY 18-JULY 10  
Note: COURSE FEE OF \$150  
Section XW is off campus  
Course delivery is WWW

COMMUNICAT WITH DEAF LING 286 3 CREDITS  
Note: Meets U.S. diversity reqmt  
8597600 XW ARRANGED VENKATAGIRI H  
MEETS: MAY 18-JULY 10  
Note: Section XW is off campus  
Course delivery is WWW

LANG&RDG DEVEL CHLD LING 471 3 CREDITS  
Prereq: 275 OR PSYCH 230 OR ENGL 219  
8606600 XW ARRANGED VENKATAGIRI H  
MEETS: MAY 18-JULY 10  
Note: Section XW is off campus  
Course delivery is WWW  
Delivery fee \$150.00

IND STU LINGUISTICS LING 490B VAR. CREDITS  
Prereq: 9 CR IN ENGL BEYOND ENGL 250 APPROPRIATE TO THE TOPIC, JR CLASSIFICATION, PERMISSION OF THE UNDERGRADUATE STUDIES COMMITTEE  
Note: Department permission required.  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

IND STDY LING ANTHR LING 490D 1- 5 CREDITS  
Prereq: 9 CREDITS IN ANTHROPOLOGY  
Note: Instructor permission required 1st week.  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

LANGU ASSESS PRACTM LING 513 3 CREDITS  
Prereq: ENGL 519  
9060005 1 ARRANGED  
MEETS: MAY 18-AUG 7

SPL TOP TESL/LINGUI LING 590B VAR. CREDITS  
Prereq: PERMISSION OF THE GRADUATE STUDIES COMMITTEE ACCORDING TO GUIDELINES AVAILABLE IN THE DEPARTMENT OFFICE  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

## LINGUISTICS

(CONTINUED)

SPL TP APP LING&TEC LING 590G VAR. CREDITS  
 Prereq: PERMISSION OF GRADUATE STUDIES COMMITTEE  
 ACCORDING TO GUIDELINES AVAILABLE IN ENGL DEPT OFFICE  
 \*\*\*\*\*  
 SEE DEPT FOR REFERENCE NUMBERS

**MANAGEMENT**

ORGANIZATNAL BEHAVR MGMT 371 3 CREDITS  
 Prereq: SOPHOMORE CLASSIFICATION  
 Note: COURSE NOT OPEN TO P BUS MAJORS

5283005 1 MTWRF 9:50-11:00  
 MEETS: JUNE 15-JULY 10

Note: COURSE OPEN TO UNDERGRADUATE STUDENTS EXCEPT  
 P BUS. GRADUATE STUDENTS SEE 1200 GERDIN FOR  
 PERMISSION TO ADD.

RESPONSBL MGT BSNSS MGMT 372 3 CREDITS

Prereq: PHIL 230  
 7048005 1 MTWRF 9:50-11:50  
 MEETS: JULY 13-AUG 7

Note: RESTRICTED TO UNDERGRADUATE BUSINESS STUDENTS  
 ONLY. COURSE NOT OPEN TO P BUS.

STRATEGIC MANAGEMNT MGMT 478 3 CREDITS

Prereq: ACCT 285; FIN 301; MGMT 370 OR MGMT 371;  
 MKT 340; SCM 301; GRADUATING SENIOR  
 Note: COURSE RESTRICTED TO SENIORS GRADUATING SUMMER  
 2020 IN THE COLLEGE OF BUSINESS

5294005 1 MTWRF 7:30-9:30  
 MEETS: MAY 18-JUNE 12

INDEPENDENT STUDY MGMT 490 1- 3 CREDITS

Prereq: SENIOR CLASSIFICATION, INSTRUCTOR  
 PERMISSION

Note: COURSE NOT OPEN TO GRADUATE STUDENTS  
 Department permission required.

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

SPECIAL TOPICS MGMT 590 1- 3 CREDITS

Prereq: PERMISSION OF INSTRUCTOR

Note: RESTRICTED TO BUSINESS COLLEGE GRADUATE STUDENTS

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

RESRCH PRACTICUM I MGMT 650 1 CREDIT

Prereq: ENROLLMENT IN PH D PROGRAM

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

RESRCH PRACTICUM MGMT 651 1 CREDIT

Prereq: ENROLLMENT IN PH D PROGRAM

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

**MANAGEMENT INFORMATION SYSTEMS**

MGMT INFO SYSTEMS MIS 301 3 CREDITS

Prereq: COM S 113 OR BUSAD 150  
 4394005 A1 MTWRF 12:10-2:10  
 MEETS: JUNE 15-JULY 10

Note: SECTION A1 RESTRICTED TO ACCT, ACSCI, AG B, AST,  
 BU AN, BUS S, BUS U, BUSEC, ENTSP, FIN, I TEC, MGMT,  
 MIS, MKT, SCM UNDERGRAD MAJORS

4394010 A2 MTWRF 12:10-2:10  
 MEETS: JUNE 15-JULY 10

Note: SECTN A2 RESTRICTED TO MAJORS OTHER THAN ACCT,  
 ACSCI, AG B, AST, BU AN, BUS S, BUS U, BUSAD, BUSEC,  
 FIN, ENTSP, I TEC, MGMT, MIS, MKT, P BUS, SCM

INDEPENDENT STUDY MIS 490 1- 3 CREDITS

Prereq: MIS 301, SENIOR CLASSIFICATION,  
 PERMISSION OF INSTRUCTOR

Note: Department permission required.

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

SPECIAL TOPICS MIS 590 1- 3 CREDITS

Prereq: PERMISSION OF INSTRUCTOR

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

CREATIVE COMPONENT MIS 599 3 CREDITS

Prereq: GRADUATE CLASSIFICATION, PERMISSION OF  
 SUPERVISORY COMMITTEE CHAIR

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

RSEARCH PRACTICUM I MIS 650 1 CREDIT

Prereq: ENROLLMENT IN THE PH D PROGRAM

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

RSEARCH PRACTICUM II MIS 651 1 CREDIT

Prereq: ENROLLMENT IN THE PH D PROGRAM

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

RESEARCH MIS 699 3- 6 CREDITS

Prereq: GRADUATE CLASSIFICATION, PERMISSION OF  
 MAJOR PROFESSOR

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

**MARKETING**

PRIN OF MARKETING MKT 340 3 CREDITS

Prereq: CREDIT OR ENROLLMENT IN ECON 101

Note: COURSE NOT OPEN TO P BUS MAJORS AND GRADUATE  
 STUDENTS

5352005 A1 MTWRF 12:10-2:10  
 MEETS: JULY 13-AUG 7

Note: SEC A1 RESTRICTED TO ACCT, ACSCI, AG B, AG SO,  
 AN S, AST, BUS S, BUS U, BUSEC, DY S, ENTSP, FIN,  
 FS A, HORT, I BUS, I TEC, MGMT, MIS, MKT, P S A,  
 SCM UNDERGRAD MAJORS

5352010 A2 MTWRF 12:10-2:10  
 MEETS: JULY 13-AUG 7

Note: SEC A2 FOR MAJORS OTHER THAN ACCT, ACSCI, AG B,  
 AG SO, AN S, AST, BUS S, BUS U, BUSAD, BUSEC, DY S,  
 ENTSP, FIN, FS A, HORT, I BUS, I TEC, MGMT, MIS, MKT,  
 P BUS, P S A, SCIS, SCM

STRATEGC MRKTNG MGT MKT 443 3 CREDITS

Prereq: MKT 444, MKT 447

Note: COURSE RESTRICTED TO MKT SENIORS ONLY

5358005 1 MTWRF 9:50-11:50  
 MEETS: MAY 18-JUNE 12

INDEPENDENT STUDY MKT 490 1- 3 CREDITS

Prereq: MKT 340, SENIOR CLASSIFICATION;  
 PERMISSION OF INSTRUCTOR

Note: COURSE NOT OPEN TO GRADUATE STUDENTS

Department permission required.

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

SPECIAL TOPICS MKT 590 1- 3 CREDITS

Prereq: PERMISSION OF INSTRUCTOR

Note: RESTRICTED TO BUSINESS COLLEGE GRADUATE STUDENTS

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

RSEARCH PRACTICUM I MKT 650 1 CREDIT

Prereq: ENROLLMENT IN THE PH D PROGRAM

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

RSEARCH PRACTICM II MKT 651 1 CREDIT

Prereq: ENROLLMENT IN THE PH D PROGRAM

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

**MATERIALS ENGINEERING**

PRIN MATRLS SCI&ENG MAT E 392 3 CREDITS

Prereq: MAT E 391, MATH 165; CHEM 167 OR CHEM 177

Note: CREDIT FOR ONLY ONE OF THE FOLLOWING COURSES MAY  
 BE APPLIED TOWARD GRADUATION: MAT E 215, MAT E 273,  
 MAT E 392

Meets international perspectives reqmt

8485800 UK ARRANGED NAPOLITANO R

MEETS: JUNE 11-JULY 24

Note: SEC UK TAUGHT IN BRUNEL UNIVERSITY,

MSE SUMMER PROGRAM IN IN BRUNEL

STUDY ABROAD SUMMER 2020

Study Abroad Administrative Fee Applies

SUMMER INTERNSHIP MAT E 396 R CREDIT

Prereq: PERMISSION OF DEPARTMENT AND ENGINEERING  
 CAREER SERVICES

Satisfactory-Fail Only.

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

INDEPENDENT STUDY MAT E 490C VAR. CREDITS

Prereq: PERMISSION OF DEPARTMENT

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

HONORS INDEP STUDY MAT E 490H VAR. CREDITS

Prereq: PERMISSION OF DEPARTMENT

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

INDEP STDY:RESEARCH MAT E 490R VAR. CREDITS

Prereq: PERMISSION OF DEPARTMENT

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

UNDGRD RSRCH OPPORT MAT E 499X R CREDIT

Prereq: PERMISSION OF INSTRUCTOR

Satisfactory-Fail Only.

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

**MATERIALS SCIENCE & ENGINEERING**

SPECIAL TOPICS M S E 590 VAR. CREDITS

Prereq: PERMISSION OF INSTRUCTOR

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

CREATIVE COMPONENT M S E 599 VAR. CREDITS

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

## MATERIALS SCIENCE &amp; ENGINEERING (CONTINUED)

ADV TOPICS MATRL SC M S E 690 VAR. CREDITS  
 Prereq: PERMISSION OF INSTRUCTOR  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

ENGINEERG INTERNSHP M S E 697 R CREDIT  
 Prereq: PERMISSION OF DEPARTMENT, GRAD CLASSIFCTN  
 Satisfactory-Fail Only.  
 4307005 1 ARRANGED  
 MEETS: MAY 18-AUG 7

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

## MATHEMATICS

INTRO TO PROBABILTY MATH 104 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 104 CANNOT BE APPLIED TOWARD  
 GRADUATION BY MATH MAJORS.  
 5128600 XW ARRANGED  
 MEETS: JUNE 15-AUG 7  
 Note: Section XW is off campus  
 Course delivery is WWW  
 Delivery fee \$150.00

DISCOVERING MATH MATH 106 3 CREDITS  
 7657600 XW ARRANGED  
 MEETS: JUNE 15-AUG 7  
 Note: Section XW is off campus  
 Course delivery is WWW  
 Delivery fee \$150.00

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  
 COLLEGE OF LIBERAL ARTS AND SCIENCES MAY NOT APPLY  
 MATH 140 TOWARD THE GEN ED REQUIREMNTS FOR GRADUATION  
 5132005 1 MTWRF 11:00-12:00  
 MEETS: MAY 18-JULY 10  
 5132600 XW ARRANGED  
 MEETS: JUNE 15-AUG 7  
 Note: Section XW is off campus  
 Course delivery is WWW  
 Delivery fee \$150.00

PREP FOR CALCULUS MATH 143 4 CREDITS  
 Prereq: SATISFACTORY PERFORMANCE ON PLACEMENT  
 ASSESSMENT, 2 YEARS OF HIGH SCHOOL ALGEBRA; 1 YEAR OF  
 HIGH SCHOOL GEOMETRY OR MINIMUM OF C- IN MATH 140  
 Note: CREDIT FOR EITHER MATH 143 OR MATH 145, BUT  
 NOT BOTH, MAY BE APPLIED TOWARD GRADUATION.  
 STUDENTS IN THE LAS COLLEGE MAY NOT APPLY MATH 143  
 TOWARD GENERAL EDUCATION REQUIREMENTS.  
 7342005 1 MTWRF 8:40-10:00  
 MEETS: JUNE 15-AUG 7

APPLD TRIGONOMETRY MATH 145 3 CREDITS  
 Prereq: SATISFACTORY PERFORMANCE ON PLACEMENT  
 ASSESSMENT, 2 YEARS OF HIGH SCHOOL ALGEBRA; 1 YEAR OF  
 HIGH SCHOOL GEOMETRY OR MINIMUM OF C- IN MATH 140  
 Note: CREDIT FOR EITHER MATH 143 OR MATH 145, BUT  
 NOT BOTH, MAY BE APPLIED TOWARD GRADUATION. CREDIT  
 FOR ONLY ONE OF THE FOLLOWING COURSES MAY BE APPLIED  
 TOWARD GRADUATION: MATH 141, MATH 142, MATH 143.  
 STUDENTS IN THE LAS COLLEGE MAY NOT APPLY MATH 143  
 TOWARD GENERAL EDUCATION REQUIREMENTS.  
 9173005 1 MTWRF 8:40-9:40  
 MEETS: MAY 18-JULY 10

DISC MATH BUS&SOC S MATH 150 3 CREDITS  
 Prereq: SATISFACTORY PERFORMANCE ON PLACEMENT  
 ASSESSMENT, 2 YEARS OF HIGH SCHOOL ALGEBRA, 1 YEAR OF  
 HIGH SCHOOL GEOMETRY  
 Note: CREDIT FOR EITHER MATH 104 OR MATH 150, BUT NOT  
 BOTH, MAY BE APPLIED TOWARD GRADUATION. CREDITS  
 EARNED IN MATH 150 CANNOT BE APPLIED TOWARD  
 GRADUATION BY MATH MAJORS.  
 5135005 1 MTWRF 9:50-10:50  
 MEETS: JUNE 15-AUG 7  
 5135010 2 MTWRF 11:00-12:00  
 MEETS: MAY 18-JULY 10

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, 165 (OR 166)  
 MAY BE APPLIED TOWARD GRADUATION IF NO OTHER CALCULUS  
 HAS BEEN TAKEN.  
 5136005 1 MTWRF 9:50-10:50  
 MEETS: MAY 18-JULY 10  
 5136010 2 MTWRF 12:10-1:10  
 MEETS: JUNE 15-AUG 7

## MATHEMATICS (CONTINUED)

SURVEY OF CALCULUS MATH 160 4 CREDITS  
 Prereq: SATISFACTORY PERFORMANCE ON PLACEMENT  
 ASSESSMENT, 2 YEARS OF HIGH SCHOOL ALGEBRA, 1 YEAR  
 OF GEOMETRY; OR C- OR BETTER IN MATH 140; 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  
 CANNOT BE APPLIED TOWARD GRADUATION BY MATH MAJORS.  
 5137005 1 MTWRF 11:00-12:10  
 MEETS: MAY 18-JULY 10

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  
 5138005 1 MTWRF 8:40-10:00  
 MEETS: MAY 18-JULY 10  
 5138010 2 MTWRF 8:40-10:00  
 MEETS: JUNE 15-AUG 7  
 5138015 3 MTWRF 8:40-10:00  
 MEETS: MAY 18-JULY 10  
 5138600 XW ARRANGED  
 MEETS: JUNE 15-AUG 7  
 Note: Section XW is off campus  
 Course delivery is WWW  
 Delivery fee \$200.00

CALCULUS II MATH 166 4 CREDITS  
 Prereq: GRADE OF C- OR BETTER IN MATH 165 OR HIGH  
 MATH PLACEMENT SCORES  
 Note: ONLY ONE OF THE FOLLOWING COURSES/SEQUENCES OF  
 COURSES MAY BE APPLIED TOWARD GRADUATION: MATH 151,  
 MATH 160, MATH 165-166, MATH 181-182. 6 CREDITS OF  
 MATH 151, MATH 181, MATH 165 (OR 166) MAY BE APPLIED  
 TOWARD GRADUATION IF NO OTHER CALCULUS HAS BEEN TAKEN  
 5139005 1 MTWRF 11:00-12:20  
 MEETS: MAY 18-JULY 10  
 5139015 2 MTWRF 11:00-12:20  
 MEETS: JUNE 15-AUG 7  
 5139020 3 MTWRF 11:00-12:20  
 MEETS: MAY 18-JULY 10  
 5139600 XW ARRANGED  
 MEETS: JUNE 15-AUG 7  
 Note: Section XW is off campus  
 Course delivery is WWW  
 Delivery fee \$200.00

MATRCES&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 1 MTWRF 8:40-9:40  
 MEETS: MAY 18-JULY 10  
 5161010 2 MTWRF 8:40-9:40  
 MEETS: JUNE 15-JULY 10

DISCRETE CMP STRUCT MATH 230 3 CREDITS  
 Prereq: C- OR BETTER IN COM S 227 AND MATH 165;  
 ENGL 150  
 0031005 1 MTWRF 8:40-9:40  
 MW 11:00-12:00  
 MEETS: JUNE 15-AUG 7  
 0031010 2 MTWRF 8:40-9:40  
 MW 11:00-12:00  
 MEETS: JUNE 15-AUG 7

CALCULUS III MATH 265 4 CREDITS  
 Prereq: GRADE OF C- OR BETTER IN MATH 166 OR MATH  
 166H  
 5151005 1 MTWRF 9:50-11:10  
 MEETS: MAY 18-JULY 10  
 5151010 2 MTWRF 9:50-11:10  
 MEETS: JUNE 15-AUG 7  
 5151600 XC ARRANGED  
 MEETS: JUNE 15-AUG 7  
 Note: Section XC is off campus  
 Course delivery is WWW  
 Delivery fee \$200.00

ELEM DIFF EQUATNS MATH 266 3 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.  
 5152005 1 MTWRF 12:10-1:30  
 MEETS: MAY 18-JUNE 26  
 5152010 2 MTWRF 12:10-1:30  
 MEETS: MAY 18-JUNE 26  
 5152015 3 MTWRF 12:10-1:30  
 MEETS: MAY 18-AUG 7

## MATHEMATICS

(CONTINUED)

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 1 MTWRF 12:10-1:30  
MEETS: MAY 18-JULY 10  
5153010 2 MTWRF 12:10-1:30  
MEETS: MAY 18-JULY 10  
5153015 3 MTWRF 12:10-1:30  
MEETS: JUNE 15-AUG 7

LAPLACE TRANSFORMS MATH 268 1 CREDIT  
Prereq: MATH 266  
Note: CREDIT FOR EITHER MATH 267 OR THE MATH 266,268 PAIR OF COURSES, BUT NOT BOTH, MAY BE APPLIED TOWARD GRADUATION  
Instructor permission required.  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

SYSTMS OF DIFF EQUA MATH 269 1 CREDIT  
Prereq: FAMILIARITY WITH ORDINARY DIFFERENTIAL EQUATIONS OF FIRST AND SECOND ORDER, PERMISSION OF DEPARTMENT  
Note: CREDIT FOR ONLY ONE OF THE FOLLOWING COURSES MAY BE APPLIED TOWARD GRADUATION: MATH 266, MATH 267, MATH 269X, MATH 269  
Instructor permission required.  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

INDEPENDENT STUDY MATH 290 1- 3 CREDITS  
Prereq: PERMISSION OF INSTRUCTOR  
Note: Department permission required.  
5156005 1 ARRANGED  
MEETS: MAY 18-AUG 7

INDEP STUDY HONORS MATH 290H 1- 3 CREDITS  
Prereq: MEMBERSHIP IN UNIV HONORS PROGRAM, PERMISSION OF INSTRUCTOR  
Note: Department permission required.  
5157005 1 ARRANGED  
MEETS: MAY 18-AUG 7

COOPERATIVE EDUC MATH 398 R CREDIT  
Prereq: PERMISSION OF THE DEPARTMENT COOPERATIVE EDUCATION COORDINATOR; JUNIOR CLASSIFICATION  
4551005 1 ARRANGED  
MEETS: MAY 18-JULY 10

ANALYSIS I MATH 414 3 CREDITS  
Prereq: GRADE OF C- OR BETTER IN MATH 201  
5171005 1 MTWRF 11:00-12:00  
MEETS: MAY 18-JULY 10

INDEPENDENT STUDY MATH 490 1- 3 CREDITS  
Prereq: PERMISSION OF INSTRUCTOR  
Note: NO MORE THAN 9 CREDITS OF MATH 490 OR MATH 490H MAY BE APPLIED TOWARD GRADUATION  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

INDEP STUDY HONORS MATH 490H 1- 3 CREDITS  
Prereq: PERMISSION OF INSTRUCTOR, MEMBERSHIP IN THE UNIVERSITY HONORS PROGRAM.  
Note: NO MORE THAN 9 CREDITS OF MATH 490 OR MATH 490H MAY BE APPLIED TOWARD GRADUATION. RESTRICTED TO MEMBERS OF THE UNIVERSITY HONORS PROGRAM ONLY.  
Department permission required.  
5183005 1 ARRANGED  
MEETS: MAY 18-AUG 7

UNDERGRAD THESIS MATH 491 2- 3 CREDITS  
Note: COURSE ONLY OFFERED FOR 3 CREDITS SUMMER 2020  
Department permission required.  
5184005 1 ARRANGED  
MEETS: MAY 18-JULY 10

ED SEMNR TEACH STAT MATH 540A 1 CREDIT  
Prereq: ENROLLMENT IN THE MASTER OF SCHOOL MATHEMATICS PROGRAM OR PROFESSIONAL STUDIES IN EDUC  
6488005 1 ARRANGED  
MEETS: JUNE 15-AUG 7

INDEPENDENT STUDY MATH 590 VAR. CREDITS  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

CREATIVE COMPONENT MATH 599 VAR. CREDITS  
Satisfactory-Fail Only.  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

SEMINAR MATH 610 VAR. CREDITS  
Note: COURSE ONLY OFFERED FOR 2 CREDITS SUMMER 2020  
5231005 LH ARRANGED  
MEETS: JUNE 15-AUG 7

## MATHEMATICS

(CONTINUED)

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

**MECHANICAL ENGINEERING**

ENGR THERMODYNAM 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 1 MTWRF 12:10-1:30  
MEETS: MAY 18-JUNE 26  
Note: SECT 1 RESTRICTED TO ENGINEERING COLLEGE FRESHMAN, SOPHOMORES, JUNIORS, AND SENIORS ONLY  
4877600 XW ARRANGED  
MEETS: MAY 18-JUNE 26  
Note: SEC XW LIMITED TO M E STUDENTS WHO ARE OFFICIALLY ENROLLED IN THE INTERNSHIP CLASS FOR THE SUMMER. PLEASE CONTACT KIM MCFARLAND TO REGISTER. KIM6@IASTATE.EDU  
Department permission required.  
Section XW is off campus  
Course delivery is WWW  
Delivery fee \$390.00

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 MTWRF 7:30-8:50  
MEETS: JUNE 29-AUG 7

MFG ENGINEERING LAB M E 324L 1 CREDIT  
Prereq: M E 270, MAT E 273  
Note: COURSE RESTRICTED TO M E, A E MAJORS ONLY  
4270005 1 TR 1:20-3:45  
MEETS: MAY 18-JUNE 26

ENGR THERMODYNMS II M E 332 3 CREDITS  
Prereq: M E 231  
Note: COURSE RESTRICTED TO M E MAJORS ONLY  
4878005 1 MTWRF 12:10-1:30  
MEETS: JUNE 29-AUG 7  
4878600 XW ARRANGED  
MEETS: JUNE 29-AUG 7  
Note: COURSE FEE OF \$390. SEC XW LIMITED TO M E STUDENTS WHO ARE OFFICIALLY ENROLLED IN THE INTERNSHIP CLASS FOR THE SUMMER. PLEASE CONTACT KIM MCFARLAND TO REGISTER. KIM6@IASTATE.EDU  
Department permission required.  
Section XW is off campus  
Course delivery is WWW

FLUID FLOW M E 335 4 CREDITS  
Prereq: M E 345, MATH 266 OR MATH 267, CREDIT OR ENROLLMENT IN M E 332  
Note: COURSE RESTRICTED TO M E MAJORS ONLY  
2-PART COURSE. REGISTER FOR A LECTURE SEC FIRST AND THEN A LAB SEC. STUDENTS WHO DON'T REGISTER FOR BOTH LECTURE AND LAB SHOULD DROP THE R COURSE DUE TO INCOMPLETE REGISTRATION.  
5703105 A MTWRF 11:00-12:20  
MEETS: MAY 18-JUNE 26  
5703005 1 TR 2:30-4:55  
MEETS: MAY 18-JUNE 26  
5703010 2 WF 2:30-4:55  
MEETS: MAY 18-JUNE 26  
5703015 3 TR 8:00-10:25  
MEETS: MAY 18-JUNE 26

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: M E 345, MATH 267, E E 442, E E 448  
Note: COURSE RESTRICTED TO M E MAJORS ONLY  
2-PART COURSE. REGISTER FOR A LECTURE SEC FIRST AND THEN A LAB SEC. STUDENTS WHO DON'T REGISTER FOR BOTH LECTURE AND LAB SHOULD DROP THE R COURSE DUE TO INCOMPLETE REGISTRATION.  
6310105 A MTWRF 12:10-1:30  
MEETS: MAY 18-JUNE 26  
6310005 1 MW 2:30-4:55  
MEETS: MAY 18-JUNE 26  
6310010 2 TR 2:30-4:55  
MEETS: MAY 18-JUNE 26

HEAT TRANSFER M E 436 4 CREDITS  
Prereq: M E 335  
Note: COURSE RESTRICTED TO M E MAJORS ONLY  
2-PART COURSE. REGISTER FOR A LECTURE SEC FIRST AND THEN A LAB SEC. STUDENTS WHO DON'T REGISTER FOR BOTH LECTURE AND LAB SHOULD DROP THE R COURSE DUE TO INCOMPLETE REGISTRATION.  
5711105 A MTWRF 9:50-11:10  
MEETS: JUNE 29-AUG 7  
5711005 1 TR 1:20-3:45  
MEETS: JUNE 29-AUG 7  
5711010 2 MW 12:00-2:25  
MEETS: JUNE 29-AUG 7

## MECHANICAL ENGINEERING

(CONTINUED)

INDEP STUDY HONORS M E 490H 1- 6 CREDITS  
Prereq: SR CLASSIFCATN, MEMBERSHIP IN HONORS PROG  
Note: COURSE RESTRICTED TO HONORS PROGRAM STUDENTS ONLY  
IN ORDER FOR AN INDEPENDENT STUDY PROPOSAL TO BE  
CONSIDERED FOR THE CURRENT SEMESTER, IT MUST BE  
COMPLETE & SUBMITTED NO LATER THAN THE END OF THE  
3RD WEEK OF THE SEMESTER.  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

IND STDY THERMODYN M E 490J 1- 6 CREDITS  
Prereq: SENIOR CLASSIFICATION  
Note: IN ORDER FOR AN INDEPENDENT STUDY PROPOSAL TO BE  
CONSIDERED FOR THE CURRENT SEMESTER, IT MUST BE  
COMPLETE & SUBMITTED NO LATER THAN THE END OF THE  
3RD WEEK OF THE SEMESTER.  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

INDEP STU NUCL ENGR M E 490M 1- 6 CREDITS  
Prereq: SENIOR CLASSIFICATION  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

IND STU DSGN&OPTMIZ M E 490O 1- 6 CREDITS  
Prereq: SENIOR CLASSIFICATION  
Note: IN ORDER FOR AN INDEPENDENT STUDY PROPOSAL TO BE  
CONSIDERED FOR THE CURRENT SEMESTER, IT MUST BE  
COMPLETE & SUBMITTED NO LATER THAN THE END OF THE  
3RD WEEK OF THE SEMESTER.  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

IND STU MATRLS PROC M E 490Q 1- 6 CREDITS  
Prereq: SENIOR CLASSIFICATION  
Note: IN ORDER FOR AN INDEPENDENT STUDY PROPOSAL TO BE  
CONSIDERED FOR THE CURRENT SEMESTER, IT MUST BE  
COMPLETE & SUBMITTED NO LATER THAN THE END OF THE  
3RD WEEK OF THE SEMESTER.  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

IND STU THERMO-FLUI M E 490R 1- 6 CREDITS  
Prereq: SENIOR CLASSIFICATION  
Note: IN ORDER FOR AN INDEPENDENT STUDY PROPOSAL TO BE  
CONSIDERED FOR THE CURRENT SEMESTER, IT MUST BE  
COMPLETE & SUBMITTED NO LATER THAN THE END OF THE  
3RD WEEK OF THE SEMESTER.  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

IND STU EMERGI AREA M E 490S 1- 6 CREDITS  
Prereq: SENIOR CLASSIFICATION  
Note: IN ORDER FOR AN INDEPENDENT STUDY PROPOSAL TO BE  
CONSIDERED FOR THE CURRENT SEMESTER, IT MUST BE  
COMPLETE & SUBMITTED NO LATER THAN THE END OF THE  
3RD WEEK OF THE SEMESTER.  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

SP TOP LIT INVESTIG M E 590Q 1- 8 CREDITS  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

SPL TP BIO&NANO SCI M E 590T 1- 8 CREDITS  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

SPL TP CMLX FLU SY M E 590U 1- 8 CREDITS  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

SPL TOP CLEAN ENRGY M E 590V 1- 8 CREDITS  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

SPL TP DS&MFG INNOV M E 590W 1- 8 CREDITS  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

SPL TP SIMUL&VISULZ M E 590Z 1- 8 CREDITS  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

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

ADV TOP ENGR COMPUT M E 690O VAR. CREDITS  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

ADV TOP LIT INVESTG M E 690Q VAR. CREDITS  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

ADV TOP BIOL&NANOSC M E 690T VAR. CREDITS  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

ADV TOP CPLX FLU SY M E 690U VAR. CREDITS  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

ADV TOP CL ENRGY TC M E 690V VAR. CREDITS  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

ADV TP DS&MFG INNOV M E 690W VAR. CREDITS  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

ADV TOP SIMU&VISUAL M E 690Z VAR. CREDITS  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

## MECHANICAL ENGINEERING

(CONTINUED)

ENGINEERG INTERNSHP M E 697 R CREDIT  
Prereq: PERMISSION OF DIRECTOR OF GRADUATE  
EDUCATION, GRAD CLASSIFICATION  
Satisfactory-Fail Only.  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

RESEARCH M E 699 VAR. CREDITS  
Satisfactory-Fail Only.  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

**METEOROLOGY**

INTRO WEATHER&CLIMT MTEOR 206 3 CREDITS  
5375600 XW ARRANGED FLORY D  
MEETS: MAY 18-JULY 10  
Note: Section XW is off campus  
Course delivery is WWW  
Delivery fee \$150.00

COOPERATIVE EDUCATN MTEOR 298 R CREDIT  
Prereq: PERMISSION OF THE DEPT COOPERATIVE  
EDUCATION COORDINATOR; SOPHOMORE CLASSIFICATION  
4813005 1 ARRANGED  
MEETS: MAY 18-AUG 7

METEOROL INTERNSHIP MTEOR 321 1- 2 CREDITS  
Prereq: MTEOR 311; JR OR SR STANDING; PERMISSION  
OF COOP PROGM COORD; ACCEPTANCE BY SPONSORING AGENCY  
Satisfactory-Fail Only.  
5381005 1 ARRANGED  
MEETS: MAY 18-AUG 7

COOPERATIVE EDUCATN MTEOR 398 R CREDIT  
Prereq: PERMISSION OF THE DEPT COOPERATIVE  
EDUCATION COORDINATOR; JUNIOR CLASSIFICATION  
4823005 1 ARRANGED  
MEETS: MAY 18-AUG 7

IND STUDY SYNOPTIC MTEOR 490A 1- 3 CREDITS  
Prereq: 6 CREDITS IN MTEOR, INSTRUCTR PERMISSION  
Note: NO MORE THAN 9 CREDITS IN MTEOR 490 MAY BE  
APPLIED TOWARD GRADUATION  
8424005 1 ARRANGED  
MEETS: MAY 18-AUG 7

INDEP STUDY DYNAMIC MTEOR 490B 1- 3 CREDITS  
Prereq: 6 CREDITS IN MTEOR, INSTRUCTR PERMISSION  
Note: NO MORE THAN 9 CREDITS IN MTEOR 490 MAY BE  
APPLIED TOWARD GRADUATION  
8425005 1 ARRANGED  
MEETS: MAY 18-AUG 7

IND STUDY PHYSICAL MTEOR 490C 1- 3 CREDITS  
Prereq: 6 CREDITS IN MTEOR, INSTRUCTR PERMISSION  
Note: NO MORE THAN 9 CREDITS IN MTEOR 490 MAY BE  
APPLIED TOWARD GRADUATION  
8426005 1 ARRANGED  
MEETS: MAY 18-AUG 7

IND STU INSTRUMENTN MTEOR 490D 1- 3 CREDITS  
Prereq: 6 CREDITS IN MTEOR, INSTRUCTR PERMISSION  
Note: NO MORE THAN 9 CREDITS IN MTEOR 490 MAY BE  
APPLIED TOWARD GRADUATION  
1010005 1 ARRANGED  
MEETS: MAY 18-AUG 7

IND STUDY HYDROLOGY MTEOR 490E 1- 3 CREDITS  
Prereq: 6 CREDITS IN MTEOR, INSTRUCTR PERMISSION  
Note: NO MORE THAN 9 CREDITS IN MTEOR 490 MAY BE  
APPLIED TOWARD GRADUATION  
8668005 1 ARRANGED  
MEETS: MAY 18-AUG 7

IND STU CLIMATE/WTR MTEOR 490F 1- 3 CREDITS  
Note: NO MORE THAN 9 CREDITS IN MTEOR 490 MAY BE  
APPLIED TOWARD GRADUATION  
3583005 1 ARRANGED  
MEETS: MAY 18-AUG 7

COOPERATIVE EDUCATN MTEOR 498 R CREDIT  
Prereq: PERMISSION OF THE DEPT COOPERATIVE  
EDUCATION COORDINATOR; SENIOR CLASSIFICATION  
4824005 1 ARRANGED  
MEETS: MAY 18-AUG 7

SPL TOP BOUND-LAYER MTEOR 590A 1- 3 CREDITS  
Prereq: PERMISSION OF INSTRUCTOR  
8427005 1 ARRANGED  
MEETS: MAY 18-AUG 7

SPL TOPICS TROPICAL MTEOR 590B 1- 3 CREDITS  
Prereq: PERMISSION OF INSTRUCTOR  
8429005 1 ARRANGED  
MEETS: MAY 18-AUG 7

## METEOROLOGY

(CONTINUED)

SPL TOPCS MESOSCALE MTEOR 590C 1- 3 CREDITS  
Prereq: PERMISSION OF INSTRUCTOR  
8430005 1 ARRANGED  
MEETS: MAY 18-AUG 7

SPL TOP GLOBAL SYST MTEOR 590D 1- 3 CREDITS  
Prereq: PERMISSION OF INSTRUCTOR  
8431005 1 ARRANGED  
MEETS: MAY 18-AUG 7

SPL TOPC CLIM MODEL MTEOR 590E 1- 3 CREDITS  
Prereq: PERMISSION OF INSTRUCTOR  
Satisfactory-Fail Only.  
8432005 1 ARRANGED  
MEETS: MAY 18-AUG 7

SPL TOP NUMERI PRED MTEOR 590F 1- 3 CREDITS  
Prereq: PERMISSION OF INSTRUCTOR  
8433005 1 ARRANGED  
MEETS: MAY 18-AUG 7

SPL TOP SATEL OBSRV MTEOR 590G 1- 3 CREDITS  
Prereq: PERMISSION OF INSTRUCTOR  
8434005 1 ARRANGED  
MEETS: MAY 18-AUG 7

SPL TOP STAT METHDS MTEOR 590H 1- 3 CREDITS  
Prereq: PERMISSION OF INSTRUCTOR  
8435005 1 ARRANGED  
MEETS: MAY 18-AUG 7

SPL TOP FIELD OBSRV MTEOR 590I 1- 3 CREDITS  
Prereq: PERMISSION OF INSTRUCTOR  
8437005 1 ARRANGED  
MEETS: MAY 18-AUG 7

SPL TOP LOW FREQ MD MTEOR 590J 1- 3 CREDITS  
Prereq: PERMISSION OF INSTRUCTOR  
1230005 1 ARRANGED  
MEETS: MAY 18-AUG 7

SPL TOPC CLOUD PHYS MTEOR 590K 1- 3 CREDITS  
Prereq: PERMISSION OF INSTRUCTOR  
3901005 1 ARRANGED  
MEETS: MAY 18-AUG 7

SPL TOP ATMOS RADIA MTEOR 590L 1- 3 CREDITS  
Prereq: PERMISSION OF INSTRUCTOR  
3904005 1 ARRANGED  
MEETS: MAY 18-AUG 7

SPL TOPCS HYDROLOGY MTEOR 590M 1- 3 CREDITS  
Prereq: PERMISSION OF INSTRUCTOR  
8669005 1 ARRANGED  
MEETS: MAY 18-AUG 7

SP TOP GEOPH FLU DY MTEOR 590N 1- 3 CREDITS  
Prereq: PERMISSION OF INSTRUCTOR  
9186005 1 ARRANGED  
MEETS: MAY 18-AUG 7

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;  
ONE SEMESTER OF CHEMISTRY  
1426005 1 ARRANGED  
MEETS: MAY 18-JULY 10  
Note: Course delivery is WWW

INDEP STU:LAB RSRCH MICRO 490A VAR. CREDITS  
Prereq: A MINIMUM OF 6 CREDITS OF 300-LEVEL  
OR ABOVE COURSEWORK IN MICROBIOLOGY, PERMISSION  
OF INSTRUCTOR  
Note: NO MORE THAN 6 CREDITS OF MICRO 490 MAY BE  
USED TOWARD THE TOTAL OF 128 CREDITS REQUIRED FOR  
GRADUATION  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

INDEP STU:LIT RVIEW MICRO 490B VAR. CREDITS  
Prereq: A MINIMUM OF 6 CREDITS OF 300-LEVEL  
OR ABOVE COURSE WORK IN MICROBIOLOGY, PERMISSION  
OF INSTRUCTOR  
Note: NO MORE THAN 6 CREDITS OF MICRO 490 MAY BE  
USED TOWARD THE TOTAL OF 128 CREDITS REQUIRED FOR  
GRADUATION  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

INDEP STU:INSTR ASST MICRO 490C VAR. CREDITS  
Prereq: A MINIMUM OF 6 CREDITS OF 300-LEVEL  
OR ABOVE COURSEWORK IN MICROBIOLOGY, PERMISSION  
OF INSTRUCTOR  
Note: NO MORE THAN 6 CREDITS OF MICRO 490 MAY BE  
USED TOWARD THE TOTAL OF 128 CREDITS REQUIRED FOR  
GRADUATION  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

## MICROBIOLOGY

(CONTINUED)

HONORS INDEP STUDY MICRO 490H 1- 5 CREDITS  
Prereq: A MINIMUM OF 6 CR OF 300-LEVEL OR ABOVE  
COURSEWORK IN MICRO, INSTR PERMISSION, MEMBERSHIP IN  
UNIV HONORS PROGRAM  
Note: NO MORE THAN 6 CREDITS OF MICRO 490 MAY BE  
USED TOWARD THE TOTAL OF 128 CREDITS REQUIRED FOR  
GRADUATION. RESTRICTED TO HONORS PROGRAM STUDENTS  
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  
Satisfactory-Fail Only.  
9679005 1 ARRANGED  
MEETS: MAY 18-AUG 7

SPECIAL TOPICS MICRO 590 1- 5 CREDITS  
Prereq: PERMISSION OF INSTRUCTOR  
Note: Instructor permission required 1st week.  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

CURR 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 18-AUG 7

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

**MOLECULAR CELLULAR DEV BIOLOGY**

GRAD RESRCH ROTATN MCDB 697 1- 6 CREDITS  
Satisfactory-Fail Only.  
7278005 1 ARRANGED  
MEETS: MAY 18-JULY 10 MCGRAIL M

RESEARCH MCDB 699 VAR. CREDITS  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

## MUSIC

INTRO MUSIC LISTENI MUSIC 102 3 CREDITS  
Note: Meets international perspectives reqmt  
5406005 1 ARRANGED  
MEETS: MAY 18-JULY 10

5406600 XW ARRANGED TAM T  
MEETS: MAY 18-AUG 7  
Note: Section XW is off campus  
Course delivery is WWW  
Delivery fee \$150.00

APPLIED MUSIC VOICE MUSIC 118A 1- 2 CREDITS  
Prereq: AUDITION, PERMISSION OF INSTRUCTOR  
Note: CREDIT IN MUSIC 118A WILL NOT SATISFY APPLIED  
MUSIC REQUIREMENTS FOR MUSIC MAJORS  
APPLIED MUSIC FEE \$150.00-\$190.00  
Applied Music 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  
Applied Music fee \$150.00-\$190.00  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

APPLD MUSIC STRINGS MUSIC 118D 1- 2 CREDITS  
Prereq: AUDITION, PERMISSION OF INSTRUCTOR  
Note: Applied Music fee \$150.00-\$190.00  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

APPL MUSIC WOODWIND MUSIC 118F 1- 2 CREDITS  
Prereq: AUDITION, PERMISSION OF INSTRUCTOR  
Note: Applied Music fee \$150.00-\$190.00  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

APPLIED MUSIC VOICE MUSIC 119A 1- 3 CREDITS  
Prereq: AUDITION, INSTR PERMSN, MUSIC MAJORS ONLY  
Note: COURSE ONLY OFFERED FOR 1-2 CREDITS SUMMER 2020  
APPLIED MUSIC FEE \$150.00-\$190.00  
Applied Music fee \$150.00-\$190.00  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

APPLIED MUSIC PIANO MUSIC 119B 1- 3 CREDITS  
Prereq: AUDITION, INSTR PERMSN, MUSIC MAJORS ONLY  
Note: COURSE ONLY OFFERED FOR 1-2 CREDITS SUMMER 2020  
APPLIED MUSIC FEE \$150.00-\$190.00  
Applied Music fee \$150.00-\$190.00  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS



## MUSIC

(CONTINUED)

APPLD MUSIC STRINGS MUSIC 119D 1- 3 CREDITS  
Prereq: AUDITION, INSTR PERMSN, MUSIC MAJORS ONLY  
Note: Applied Music fee \$150.00-\$190.00  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

APPL MUSIC CARILLON MUSIC 119E 1- 3 CREDITS  
Prereq: AUDITION, INSTR PERMSN, MUSIC MAJORS ONLY  
Note: COURSE ONLY OFFERED FOR 1-2 CREDITS SUMMER 2020  
APPLIED MUSIC FEE \$150.00-\$190.00  
Applied Music fee \$150.00-\$190.00  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

APPL MUSIC WOODWIND MUSIC 119F 1- 3 CREDITS  
Prereq: AUDITION, INSTR PERMSN, MUSIC MAJORS ONLY  
Note: COURSE ONLY OFFERED FOR 1-2 CREDITS SUMMER 2020  
APPLIED MUSIC FEE \$150.00-\$190.00  
Applied Music fee \$150.00-\$190.00  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

APPLIED MUSIC BRASS MUSIC 119G 1- 3 CREDITS  
Prereq: AUDITION, INSTR PERMSN, MUSIC MAJORS ONLY  
Note: COURSE ONLY OFFERED FOR 1-2 CREDITS SUMMER 2020  
APPLIED MUSIC FEE \$150.00-\$190.00  
Applied Music fee \$150.00-\$190.00  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

APPLIED MUSIC VOICE MUSIC 219A 1- 3 CREDITS  
Prereq: AUDITION, INSTR PERMSN, MUSIC MAJORS ONLY  
Note: COURSE ONLY OFFERED FOR 1-2 CREDITS SUMMER 2020  
Applied Music fee \$150.00-\$190.00  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

APPLIED MUSIC PIANO MUSIC 219B 1- 3 CREDITS  
Prereq: AUDITION, INSTR PERMSN, MUSIC MAJORS ONLY  
Note: COURSE ONLY OFFERED FOR 1-2 CREDITS SUMMER 2020  
Applied Music fee \$150.00-\$190.00  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

APPLD MUSIC STRINGS MUSIC 219D 1- 3 CREDITS  
Prereq: AUDITION, INSTR PERMSN, MUSIC MAJORS ONLY  
Note: Applied Music fee \$150.00-\$190.00  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

APPL MUSIC CARILLON MUSIC 219E 1- 3 CREDITS  
Prereq: AUDITION, INSTR PERMSN, MUSIC MAJORS ONLY  
Note: COURSE ONLY OFFERED FOR 1-2 CREDITS SUMMER 2020  
Applied Music fee \$150.00-\$190.00  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

APPL MUSIC WOODWIND MUSIC 219F 1- 3 CREDITS  
Prereq: AUDITION, INSTR PERMSN, MUSIC MAJORS ONLY  
Note: COURSE ONLY OFFERED FOR 1-2 CREDITS SUMMER 2020  
Applied Music fee \$150.00-\$190.00  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

APPLIED MUSIC BRASS MUSIC 219G 1- 3 CREDITS  
Prereq: AUDITION, INSTR PERMSN, MUSIC MAJORS ONLY  
Note: COURSE ONLY OFFERED FOR 1-2 CREDITS SUMMER 2020  
Applied Music fee \$150.00-\$190.00  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

SPCL PROB EDUCATION MUSIC 290A VAR. CREDITS  
Prereq: PERMISSION OF INSTRUCTOR; 12 CREDITS IN  
MUSIC, APPROVAL OF DEPARTMENT CHAIR  
Note: Instructor permission required 1st week.  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

SPECIAL PROB THEORY MUSIC 290B VAR. CREDITS  
Prereq: PERMISSION OF INSTRUCTOR; 12 CREDITS IN  
MUSIC, APPROVAL OF DEPARTMENT CHAIR  
Note: Instructor permission required 1st week.  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

SP PROB COMPOSITION MUSIC 290C VAR. CREDITS  
Prereq: PERMISSION OF INSTRUCTOR; 12 CREDITS IN  
MUSIC, APPROVAL OF DEPARTMENT CHAIR  
Note: Instructor permission required 1st week.  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

SPL PROB LITERATURE MUSIC 290E VAR. CREDITS  
Prereq: PERMISSION OF INSTRUCTOR; 12 CREDITS IN  
MUSIC, APPROVAL OF DEPARTMENT CHAIR  
Note: Instructor permission required 1st week.  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

SPL PROB APPL MUSIC MUSIC 290F VAR. CREDITS  
Prereq: PERMISSION OF INSTRUCTOR; 12 CREDITS IN  
MUSIC, APPROVAL OF DEPARTMENT CHAIR  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

SPL PROB CONDUCTING MUSIC 290G VAR. CREDITS  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

SPECIAL PROB HONORS MUSIC 290H VAR. CREDITS  
Prereq: PERMISSION OF INSTRUCTOR; 12 CREDITS IN  
MUSIC, APPROVAL OF DEPARTMENT CHAIR; MEMBERSHIP IN  
UNIVERSITY HONORS PROGRAM  
Note: COURSE RESTRICTED TO HONORS PROGRAM STUDENTS ONLY  
Instructor permission required 1st week.  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

## MUSIC

(CONTINUED)

APPLIED MUSIC PIANO MUSIC 318B 1- 2 CREDITS  
Prereq: AUDITION, PERMISSION OF INSTRUCTOR  
Note: Applied Music fee \$150.00-\$190.00  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

APPLD MUSIC STRINGS MUSIC 318D 1- 2 CREDITS  
Prereq: AUDITION, PERMISSION OF INSTRUCTOR  
Note: Applied Music fee \$150.00-\$190.00  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

APPL MUSIC WOODWIND MUSIC 318F 1- 2 CREDITS  
Prereq: AUDITION, PERMISSION OF INSTRUCTOR  
Note: Applied Music fee \$150.00-\$190.00  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

APPLIED MUSIC VOICE MUSIC 319A 1- 3 CREDITS  
Prereq: AUDITION, INSTR PERMISN, MUSIC MAJOR  
Note: COURSE ONLY OFFERED FOR 1-2 CREDITS SUMMER 2020  
Applied Music fee \$150.00-\$190.00  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

APPLIED MUSIC PIANO MUSIC 319B 1- 3 CREDITS  
Prereq: AUDITION, INSTR PERMISN, MUSIC MAJOR  
Note: COURSE ONLY OFFERED FOR 1-2 CREDITS SUMMER 2020  
Applied Music fee \$150.00-\$190.00  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

APPLD MUSIC STRINGS MUSIC 319D 1- 3 CREDITS  
Prereq: AUDITION, INSTR PERMISN, MUSIC MAJOR  
Note: Applied Music fee \$150.00-\$190.00  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

APPL MUSIC CARILLON MUSIC 319E 1- 3 CREDITS  
Prereq: AUDITION, INSTR PERMISN, MUSIC MAJOR  
Note: COURSE ONLY OFFERED FOR 1-2 CREDITS SUMMER 2020  
Applied Music fee \$150.00-\$190.00  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

APPL MUSIC WOODWIND MUSIC 319F 1- 3 CREDITS  
Prereq: AUDITION, INSTR PERMISN, MUSIC MAJOR  
Note: COURSE ONLY OFFERED FOR 1-2 CREDITS SUMMER 2020  
Applied Music fee \$150.00-\$190.00  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

APPLIED MUSIC BRASS MUSIC 319G 1- 3 CREDITS  
Prereq: AUDITION, INSTR PERMISN, MUSIC MAJOR  
Note: COURSE ONLY OFFERED FOR 1-2 CREDITS SUMMER 2020  
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 ENSEMBL STRINGS MUSIC 321D 1 CREDIT  
Prereq: ADVANCED PROFICIENCY AND PERFORMING  
ABILITY, PERMISSION OF INSTRUCTOR  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

ADV ENSEMB WOODWINDS MUSIC 321F 1 CREDIT  
Prereq: ADVANCED PROFICIENCY AND PERFORMING  
ABILITY, PERMISSION OF INSTRUCTOR  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

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

LIT & PEDAGOGY VOICE MUSIC 415A 1- 4 CREDITS  
Prereq: PERMISSION OF INSTRUCTOR  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

LIT & PEDAGOGY PIANO MUSIC 415B 1- 4 CREDITS  
Prereq: PERMISSION OF INSTRUCTOR  
Note: COURSE ONLY OFFERED FOR 1-3 CREDITS SUMMER 2020  
\*\*\*\*\* 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  
Prereq: PERMISSION OF INSTRUCTOR  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

APPLIED MUSIC VOICE MUSIC 419A 1- 3 CREDITS  
Prereq: AUDITION, INSTR PERMSN, MUSIC MAJORS ONLY  
Note: COURSE ONLY OFFERED FOR 1-2 CREDITS SUMMER 2020  
Applied Music fee \$150.00-\$190.00  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

## MUSIC

(CONTINUED)

APPLIED MUSIC PIANO MUSIC 419B 1- 3 CREDITS  
Prereq: AUDITION, INSTR PERMSN, MUSIC MAJORS ONLY  
Note: COURSE ONLY OFFERED FOR 1-2 CREDITS SUMMER 2020  
Applied Music fee \$150.00-\$190.00  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

APPLD MUSIC STRINGS MUSIC 419D 1- 3 CREDITS  
Prereq: AUDITION, INSTR PERMSN, MUSIC MAJORS ONLY  
Note: COURSE ONLY OFFERED FOR 1-2 CREDITS SUMMER 2020  
Applied Music fee \$150.00-\$190.00  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

APPL MUSIC CARILLON MUSIC 419E 1- 3 CREDITS  
Prereq: AUDITION, INSTR PERMSN, MUSIC MAJORS ONLY  
Note: COURSE ONLY OFFERED FOR 1-2 CREDITS SUMMER 2020  
Applied Music fee \$150.00-\$190.00  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

APPL MUSIC WOODWIND MUSIC 419F 1- 3 CREDITS  
Prereq: AUDITION, INSTR PERMSN, MUSIC MAJORS ONLY  
Note: COURSE ONLY OFFERED FOR 1-2 CREDITS SUMMER 2020  
Applied Music fee \$150.00-\$190.00  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

APPLIED MUSIC BRASS MUSIC 419G 1- 3 CREDITS  
Prereq: AUDITION, INSTR PERMSN, MUSIC MAJORS ONLY  
Note: COURSE ONLY OFFERED FOR 1-2 CREDITS SUMMER 2020  
Applied Music fee \$150.00-\$190.00  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

INDEP STUDY 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 STU COMPOSITION 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

INDEP STUDY HISTORY MUSIC 490D VAR. CREDITS  
Prereq: INSTRUCTOR PERMISSION, 12 CREDITS IN MUSIC, APPROVAL OF DEPARTMENT CHAIR  
Note: Instructor permission required 1st week.  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

IND STUDY LITERATURE MUSIC 490E VAR. CREDITS  
Prereq: INSTRUCTOR PERMISSION, 12 CREDITS IN MUSIC, APPROVAL OF DEPARTMENT CHAIR  
Note: Instructor permission required 1st week.  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

IND STUDY APPL MUSIC MUSIC 490F VAR. CREDITS  
Prereq: INSTRUCTOR PERMISSION, 12 CREDITS IN MUSIC, APPROVAL OF DEPARTMENT CHAIR  
Note: Instructor permission required 1st week.  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

INDEP STUDY CONDUCTG MUSIC 490G 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 HONORS MUSIC 490H VAR. CREDITS  
Prereq: INSTRUCTOR PERMISSION, 12 CREDITS IN MUSIC, APPROVAL OF DEPARTMENT CHAIR, MEMBERSHIP IN UNIVERSITY HONORS PROGRAM  
Note: COURSE RESTRICTED TO HONORS PROGRAM STUDENTS ONLY  
Instructor permission required 1st week.  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

IND STUDY ELECTRNC M MUSIC 490I VAR. CREDITS  
Prereq: INSTRUCTOR PERMISSION, 12 CREDITS IN MUSIC, APPROVAL OF DEPARTMENT CHAIR  
Note: Instructor permission required 1st week.  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

SPECL TOPICS THEORY MUSIC 590B VAR. CREDITS  
Prereq: PERMISSION OF INSTRUCTOR, APPROVAL OF DEPARTMENT HEAD  
Note: Instructor permission required 1st week.  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

SPCL TOPCS COMPOSIT MUSIC 590C VAR. CREDITS  
Prereq: PERMISSION OF INSTRUCTOR, APPROVAL OF DEPARTMENT HEAD  
Note: Instructor permission required 1st week.  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

## MUSIC

(CONTINUED)

SPECIAL TOPICS LIT MUSIC 590E VAR. CREDITS  
Prereq: PERMISSION OF INSTRUCTOR, APPROVAL OF DEPARTMENT HEAD  
Note: Instructor permission required 1st week.  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

SPL TOPC APPL MUSIC MUSIC 590F VAR. CREDITS  
Prereq: PERMISSION OF INSTRUCTOR, APPROVAL OF DEPARTMENT HEAD  
Note: Instructor permission required 1st week.  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

SPL TOP ELECTRNC MU MUSIC 590I VAR. CREDITS  
Prereq: PERMISSION OF INSTRUCTOR, APPROVAL OF DEPARTMENT HEAD  
Note: Instructor permission required 1st week.  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

**NATURAL RESOURCE ECOLOGY AND MGMT**

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

FIELD ECOLG MONTANA NREM 311X 4 CREDITS  
Prereq: BIOL 211, BIOL 211L, BIOL 212, BIOL 212L OR EQUIVALENT AND PERMISSION OF INSTRUCTORS  
0198005 1 ARRANGED  
MEETS: JUNE 6-JULY 5  
Note: MEETS AT MONTANA FIELD STATION  
Instructor permission required.  
Materials, field trips &/or travel fee \$1,350.00

IND STUDY ANIMAL ECO NREM 490A 1- 4 CREDITS  
Prereq: JR OR SR CLASSIFICATN, INSTRUCTOR PERMISN  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

INDEP STUDY FORESTRY NREM 490B 1- 4 CREDITS  
Prereq: JR OR SR CLASSIFICATN, INSTRUCTOR PERMISN  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

INDEP STUDY HONORS NREM 490H 1- 4 CREDITS  
Prereq: JR OR SR CLASSIFICATN, INSTRUCTOR PERMISN MEMBERSHIP IN UNIVERSITY HONORS PROGRAM  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

UG INDEP STUDY IA LL NREM 490I 1- 4 CREDITS  
Prereq: JR OR SR CLASSIFICATION AND PERMISSION OF INSTRUCTOR  
Note: Permission of Lakeside Lab Office required  
<http://www.continuetolearn.uiowa.edu/lakesidelab>  
8987005 1 ARRANGED  
MEETS: MAY 18-JUNE 12  
Note: Tuition Category: Iowa Lakeside Lab  
8987010 2 ARRANGED  
MEETS: JUNE 15-JULY 10  
Note: Tuition Category: Iowa Lakeside Lab

DOMESTIC TRAVEL NREM 496B 1- 5 CREDITS  
Prereq: PERMISSION OF INSTRUCTOR  
2597005 1 ARRANGED  
MEETS: JULY 4-26  
Note: SECTION 1 OFFERED FOR 3 CREDITS.  
TOPIC: WILDLIFE POPULATION METHODS. MEETS IN MONTANA.  
ROUND TRIP TRANSPORTATION FROM AMES TO CAMP.  
Instructor permission required.

COOPERATIVE EDUC NREM 498 1- 3 CREDITS  
Prereq: PERMISSION OF DEPARTMENT CHAIR  
Note: Permission of department chair required.  
Satisfactory-Fail Only.  
7593005 1 ARRANGED  
MEETS: MAY 18-AUG 7

SPL TOPCS ANIML ECO NREM 590A 1- 4 CREDITS  
Prereq: PERMISSION OF INSTRUCTOR  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

SPL TOPICS FORESTRY NREM 590B 1- 4 CREDITS  
Prereq: PERMISSION OF INSTRUCTOR  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

DOMESTIC TRAVEL NREM 596B 1- 5 CREDITS  
Prereq: PERMISSION OF INSTRUCTOR  
2606005 1 ARRANGED  
MEETS: JULY 4-26  
Note: TOPIC: WILDLIFE POPULATION METHODS. MEETS IN MONTANA.  
ROUND TRIP TRANSPORTATION FROM AMES TO CAMP.  
Instructor permission required.

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

## NATURAL RESOURCE ECOLOGY AND MGMT (CONTINUED)

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

TEACHING PRACTICUM NREM 698 1 CREDIT  
Satisfactory-Fail Only.  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

RESEARCH NREM 699 1-12 CREDITS  
Note: COURSE ONLY OFFERED FOR 1-9 CREDITS SUMMER 2020  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

**NEUROSCIENCE**

RESEARCH NEURO 699 VAR. CREDITS  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

**NURSING**

CONCEPTS CAPSTONE NRS 470 3 CREDITS  
Prereq: NRS 440, NRS 460  
8974005 1 T 10:00-10:50  
ARRANGED  
MEETS: MAY 18-AUG 7

INDP STU:TRANSITION NRS 490 1- 2 CREDITS  
8976005 1 ARRANGED  
MEETS: MAY 18-AUG 7

**NUTRITIONAL SCIENCES**

SHORT COURSE NUTRS 505 1 CREDIT  
Prereq: PERMISSION OF INSTRUCTOR  
7836005 1 MTWRF 10:00-1:00  
MEETS: MAY 18-AUG 7  
Note: SHORT COURSE: NUTRITION AND THE EPIGENOME:PULLING  
BACK THE CURTAIN

7836020 4 MTWRF 10:00-1:00  
MEETS: MAY 18-AUG 7  
Note: SHORT COURSE: NUTRITION AND THE EPIGENOME:PULLING  
BACK THE CURTAIN

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  
7535005 1 ARRANGED

TOPICS TROPICL BIOL OTS 515 1- 8 CREDITS  
7544005 1 ARRANGED

**PERFORMING ARTS**

PERFORM ARTS INTERN PERF 310 R CREDIT  
Satisfactory-Fail Only.  
3677005 1 ARRANGED  
MEETS: MAY 18-AUG 7

PERFRM ARTS SEMINAR PERF 401 2 CREDITS  
3706005 1 ARRANGED  
MEETS: MAY 18-JULY 10

**PHILOSOPHY**

MORAL THEOR&PRTICE PHIL 230 3 CREDITS  
5827600 XW ARRANGED HOBSON K  
MEETS: MAY 18-JULY 10  
Note: Section XW is off campus  
Course delivery is WWW  
Delivery fee \$150.00

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 INSTR,  
APPROVAL OF CHAIR, MEMBERSHIP IN UNIV HONORS PROGRAM  
Note: NO MORE THAN 9 CREDITS OF PHIL 490 MAY BE  
APPLIED TOWARD GRADUATION. COURSE RESTRICTED TO  
HONORS PROGRAM STUDENTS ONLY.  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

GRADUATNG SR SURVEY PHIL 492 R CREDIT  
Note: COURSE RESTRICTED TO PHIL SENIORS GRADUATING 1'18  
Satisfactory-Fail Only.  
3891005 1 ARRANGED  
MEETS: MAY 18-AUG 7

## PHILOSOPHY (CONTINUED)

SPCL TOPC HISTORY P PHIL 590A 2- 4 CREDITS  
Prereq: INSTRUCTOR PERMISSION, 9 CR IN PHIL  
5850005 1 ARRANGED  
MEETS: MAY 18-AUG 7

SPL TOP EPIS&METAPH PHIL 590B 2- 4 CREDITS  
Prereq: INSTRUCTOR PERMISSION, 9 CR IN PHIL  
5851005 1 ARRANGED  
MEETS: MAY 18-AUG 7

SPL TOP VALUE THRY PHIL 590C 2- 4 CREDITS  
Prereq: INSTRUCTOR PERMISSION, 9 CR IN PHIL  
Note: Instructor permission required.  
5852005 1 ARRANGED  
MEETS: MAY 18-AUG 7

SPL TOP LOGIC&P SCI PHIL 590D 2- 4 CREDITS  
Prereq: INSTRUCTOR PERMISSION, 9 CR IN PHIL  
5853005 1 ARRANGED  
MEETS: MAY 18-AUG 7

TCHRS BIOETHC WKSHP PHIL 593 2 CREDITS  
8903005 1 MTWR 9:00-5:30  
MEETS: MAY 18-AUG 7

**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: 2-PART COURSE. ALL STUDENTS MUST REGISTER FOR A  
NUMBERED SECTION (LECTURE/RECITATION) AND A LETTERED  
SECTION (LAB).  
5857005 1 MTWR 12:10-1:10  
TWRF 9:50-10:50  
MEETS: JUNE 15-AUG 7  
Note: Materials and professional support fee \$90.00

5857010 2 MTWR 12:10-1:10  
TWRF 11:00-12:00  
MEETS: JUNE 15-AUG 7

5857015 3 MTWR 12:10-1:10  
TWRF 11:00-12:00  
MEETS: JUNE 15-AUG 7

5857105 A MW 7:30-9:40  
MEETS: JUNE 15-AUG 7  
Note: Materials and professional support fee \$90.00

5857110 B MW 1:20-3:30  
MEETS: JUNE 15-AUG 7

5857115 C MW 3:40-5:50  
MEETS: JUNE 15-AUG 7  
Note: Materials and professional support fee \$90.00

GENERAL PHYSICS PHYS 112 5 CREDITS  
Prereq: PHYS 111  
Note: 2-PART COURSE. ALL STUDENTS MUST REGISTER FOR A  
NUMBERED SECTION (LECTURE/RECITATION) AND A LETTERED  
SECTION (LAB).  
5858005 1 MTWRF 1:20-2:20  
TR 9:50-10:50  
MEETS: JUNE 15-AUG 7

5858010 2 MTWRF 1:20-2:20  
TR 9:50-10:50  
MEETS: JUNE 15-AUG 7

5858105 A MW 9:50-12:00  
MEETS: JUNE 15-AUG 7

5858110 B MW 2:30-4:40  
MEETS: JUNE 15-AUG 7  
Note: Materials and professional support fee \$90.00

INTR CLASSCL PHYS I PHYS 221 5 CREDITS  
Prereq: CREDIT OR ENROLLMENT IN MATH 166  
Note: 2-PART COURSE. ALL STUDENTS MUST REGISTER FOR A  
NUMBERED SECTION (LECTURE/RECITATION) AND A LETTERED  
SECTION (LAB).  
5861005 1 MTWRF 9:50-10:50  
MWF 8:40-9:40  
MEETS: JUNE 15-AUG 7

5861010 2 MTWRF 9:50-10:50  
MWF 11:00-12:00  
MEETS: JUNE 15-AUG 7

5861015 3 MTWRF 9:50-10:50  
MWF 11:00-12:00  
MEETS: JUNE 15-AUG 7

5861105 A R 7:30-9:40  
MEETS: JUNE 15-AUG 7  
Note: Materials and professional support fee \$90.00

5861110 B R 2:30-4:40  
MEETS: JUNE 15-AUG 7

5861115 C R 12:10-2:20  
MEETS: JUNE 15-AUG 7  
Note: Materials and professional support fee \$90.00

## PHYSICS

(CONTINUED)

INT CLAS PHY II LAB PHYS 232L 1 CREDIT  
Prereq: PHYS 221 OR 241, MATH 166. CREDIT OR  
ENROLLMENT IN PHYS 232X.  
0615005 1 TR 8:40-10:50  
MEETS: JUNE 15-AUG 7  
0615010 2 TR 12:10-2:20  
MEETS: JUNE 15-AUG 7

INTR CLASSC PHYS II PHYS 232X 4 CREDITS  
Prereq: PHYS 221 OR 241, MATH 166  
0614005 1 ARRANGED  
MEETS: JUNE 15-AUG 7  
Note: SECTION 1 LECTURE AND DISCUSSION ARE ONLINE  
0614010 2 ARRANGED  
MW 9:50-10:50  
MEETS: JUNE 15-AUG 7  
Note: SECTION 2 LECTURES ARE ONLINE. STUDENTS ARE  
REQUIRED TO BE ON CAMPUS FOR DISCUSSIONS ON MONDAY &  
WEDNESDAY.

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

INTMED LAB FOR TCHR PHYS 311T 3 CREDITS  
Prereq: PHYS 112 OR PHYS 222 OR PHYS 242  
Note: COURSE MEETS AT AMES HIGH SCHOOL. MUST PROVIDE  
OWN TRANSPORTATION TO CLASS. INTENDED PRIMARILY FOR  
TEACHERS.  
5873005 1 MTWRF 9:00-5:00  
MEETS: MAY 18-AUG 7

SEM SEC SCHOOL PHYS PHYS 399 1- 2 CREDITS  
Prereq: PERMISSION OF INSTRUCTOR  
5886005 1 ARRANGED  
MEETS: JUNE 15-AUG 7

UNDERGRAD RESEARCH PHYS 450 1- 6 CREDITS  
Prereq: PERMISSION OF INSTRUCTOR  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

UNDERGRAD RESEARCH PHYS 450L 1- 6 CREDITS  
Prereq: PHYS 311, PERMISSION OF INSTRUCTOR  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

INDEPENDENT STUDY PHYS 490 1- 4 CREDITS  
Prereq: 6 CREDITS IN PHYS, PERMISSN OF INSTRUCTOR  
Note: NO MORE THAN 9 CREDITS OF PHYS 490 MAY BE  
APPLIED TOWARD GRADUATION  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

INDEP STUDY HONORS PHYS 490H 1- 4 CREDITS  
Prereq: 6 CREDITS IN PHYS, PERMISSN OF INSTRUCTOR  
MEMBERSHIP IN UNIVERSITY HONORS PROGRAM  
Note: NO MORE THAN 9 CREDITS OF PHYS 490 MAY BE  
APPLIED TOWARD GRADUATION. COURSE RESTRICTED  
TO MEMBERS OF THE UNIVERSITY HONORS PROGRAM.  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

COOPERATIVE EDUCATN PHYS 498 R CREDIT  
Prereq: PERMISSION OF THE DEPARTMENT COOPERATIVE  
EDUCATION COORDINATOR; SENIOR CLASSIFICATION  
4746005 1 ARRANGED  
MEETS: MAY 18-AUG 7

CREATIVE COMPONENT PHYS 599 VAR. CREDITS  
Prereq: PERMISSION OF INSTRUCTOR  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

RESEARCH PHYS 699 VAR. CREDITS  
Prereq: INSTRUCTOR PERMISSION REQUIRED  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

## PLANT BIOLOGY

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

## PLANT PATHOLOGY

INDEP STDY PLT PATH PL P 490A 1- 3 CREDITS  
Prereq: JR OR SR CLASSIFICATION, 7 CREDITS IN  
BIOLOGICAL SCIENCES, PERMISSION OF INSTRUCTOR  
Note: NO MORE THAN 6 CREDITS OF PL P 490 MAY BE  
APPLIED TOWARD THE TOTAL OF 128 CREDITS REQUIRED  
FOR GRADUATION  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

HONORS INDEP STUDY PL P 490H 1- 3 CREDITS  
Prereq: JR OR SR CLASSIFICATION, 7 CR IN BIOL  
SCI, INSTR PERMISSION, MEMBERSHIP IN HONORS PROGRAM  
Note: NO MORE THAN 6 CREDITS OF PL P 490 MAY BE  
APPLIED TOWARD THE TOTAL OF 128 CREDITS REQUIRED  
FOR GRADUATION. COURSE RESTRICTED TO HONORS PROGRAM  
STUDENTS ONLY.  
3155005 1 ARRANGED  
MEETS: MAY 18-AUG 7

## PLANT PATHOLOGY

(CONTINUED)

SPECIAL TOPICS PL P 590 1- 3 CREDITS  
Prereq: 10 CR IN BIOL SCIENCES, INSTR PERMISSION  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

CREATIVE COMPONENT PL P 599 VAR. CREDITS  
Prereq: FOR NON-THESIS MASTER OF SCIENCE STUDENTS  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

FIELD PLANT PATHOL PL P 691 2 CREDITS  
Prereq: PL P 408 OR PL P 416  
5956005 1 ARRANGED  
MEETS: MAY 18-AUG 7

THESIS&DIS RESEARCH PL P 699 VAR. CREDITS  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

## POLITICAL SCIENCE

POLITICS & SOCIETY POL S 334 3 CREDITS  
Prereq: A COURSE IN POL S OR SOC  
7403600 XW ARRANGED DOBRATZ B  
MEETS: JUNE 15-JULY 10  
Note: Section XW is off campus  
Course delivery is WWW  
Delivery fee \$150.00

ADV WRITING POL SCI POL S 395 R CREDIT  
Satisfactory-Fail Only.  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

IND STUDY AMER GOVT POL S 490A 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 STDY THRY&METHD POL S 490B 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 STDY COMPAR POL POL S 490C 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 STDY 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 STDY 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

INDEP STUDY HONORS POL S 490H VAR. CREDITS  
Prereq: 6 CR IN POL S, MEMBERSHIP IN HONORS PROG  
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.  
COURSE RESTRICTED TO HONORS PROGRAM STUDENTS ONLY.  
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 PERMISSN  
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.  
Satisfactory-Fail Only.  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

## POLITICAL SCIENCE

(CONTINUED)

RESEARCH INTERNSHIP POL S 497 3 CREDITS  
Prereq: 12 CREDITS IN POL S, INSTRUCTOR PERMISSN  
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.  
Satisfactory-Fail Only.  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

COOPERATIVE EDUCATN POL S 498 R CREDIT  
Prereq: PERMISSION OF DEPARTMENT COOP EDUCATION  
COORDINATOR; SENIOR CLASSIFICATION  
4568021 JC ARRANGED CHRYSTAL J  
MEETS: MAY 18-AUG 7

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.  
Satisfactory-Fail Only.  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

SPL TOP US P INSTIT POL S 590A 2- 5 CREDITS  
Prereq: 15 CR IN POL S, WRITTEN INSTRUCTR PERMISSN  
Note: Instructor permission required 1st week.  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

SPL TOPC PUBLIC LAW POL S 590B 2- 5 CREDITS  
Prereq: 15 CR IN POL S, WRITTEN INSTRUCTR PERMISSN  
Note: Instructor permission required 1st week.  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

SP TOP POLIT THEORY POL S 590C 2- 5 CREDITS  
Prereq: 15 CR IN POL S, WRITTEN INSTRUCTR PERMISSN  
Note: Instructor permission required 1st week.  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

SPL TOP COMPAR GOV'T POL S 590D 2- 5 CREDITS  
Prereq: 15 CR IN POL S, WRITTEN INSTRUCTR PERMISSN  
Note: Instructor permission required 1st week.  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

SPL TOP INT'L RELAT POL S 590E 2- 5 CREDITS  
Prereq: 15 CR IN POL S, WRITTEN INSTRUCTR PERMISSN  
Note: Instructor permission required 1st week.  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

SPL TOP POLICY PROC POL S 590F 2- 5 CREDITS  
Prereq: 15 CR IN POL S, WRITTEN INSTRUCTR PERMISSN  
Note: 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 PERMISSN  
Note: PERMISSION OF INSTRUCTOR REQUIRED TO ADD FIRST  
WEEK. PROCESS APPROVED ADD SLIP IN 10 ENRL SC.  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

SPCL TOP INTERNSHIP POL S 590I 2- 5 CREDITS  
Prereq: 15 CR IN POL S, WRITTEN INSTRUCTR PERMISSN  
Note: Instructor permission required 1st week.  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

SPL TOP TEACHG PREP POL S 590T 2- 5 CREDITS  
Prereq: 15 CR IN POL S, WRITTEN INSTRUCTR PERMISSN  
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 18-AUG 7

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  
6069005 1 MTWRF 8:40-9:40  
MEETS: JUNE 15-AUG 7

DEVELOPMENTAL PSYCH PSYCH 230 3 CREDITS  
6072600 XW ARRANGED PHILLIPS W  
MEETS: MAY 18-JUNE 26  
Note: Section XW is off campus  
Course delivery is WWW  
Delivery fee \$150.00

## PSYCHOLOGY

(CONTINUED)

SOCIAL PSYCHOLOGY PSYCH 280 3 CREDITS  
6075600 XW ARRANGED  
MEETS: MAY 18-JULY 10  
Note: Section XW is off campus  
Course delivery is WWW  
Delivery fee \$150.00

INTRO RESRCH EXPRNC PSYCH 291 1- 4 CREDITS  
Prereq: PSYCH 101, SOPHOMORE CLASSIFICATION,  
INSTRUCTOR PERMISSION  
Satisfactory-Fail Only.  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

RES DSGN & METHODOL PSYCH 301 3 CREDITS  
Prereq: STAT 101; 1 COURSE IN PSYCHOLOGY  
Note: COURSE RESTRICTED TO PSYCH MAJORS. MINORS ARE  
ELIGIBLE TO ADD THIS COURSE, BUT MUST GET AN ADD  
SLIP SIGNED IN W022 LAGOMARCINO HALL.  
6076005 1 MTWRF 1:20-3:20  
MEETS: MAY 18-JUNE 12

RESRCH METHODS PSYC PSYCH 302 3 CREDITS  
Prereq: PSYCH 301, ENGL 250  
Note: COURSE RESTRICTED TO PSYCH MAJORS ONLY  
1173005 1 MTWRF 1:20-2:40  
MEETS: JUNE 15-AUG 7

BRAIN & BEHAVIOR PSYCH 310 3 CREDITS  
Prereq: PSYCH 101  
1515005 1 MTWRF 12:10-1:10  
MEETS: JUNE 15-AUG 7

DRUGS & BEHAVIOR PSYCH 315 3 CREDITS  
Prereq: PSYCH 101  
6082005 1 MTWRF 11:00-12:00  
MEETS: MAY 18-JULY 10

MEDIA PSYCHOLOGY PSYCH 386 3 CREDITS  
Prereq: PSYCH 101 OR PSYCH 230 OR PSYCH 280  
8576610 XU ARRANGED  
MEETS: MAY 18-JULY 10  
Note: Section XU is off campus  
Course delivery is WWW  
Delivery fee \$150.00  
8576605 XV ARRANGED  
MEETS: MAY 18-JULY 10  
Note: Section XV is off campus  
Course delivery is WWW  
Delivery fee \$150.00  
8576600 XW ARRANGED  
MEETS: MAY 18-JULY 10  
Note: Section XW is off campus  
Course delivery is WWW  
Delivery fee \$150.00

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 1 MTWRF 8:40-10:00  
MEETS: MAY 18-JULY 10

ABNORMAL PSYCHOLOGY PSYCH 460 3 CREDITS  
Prereq: 3 COURSES IN PSYCHOLOGY INCLUDING PSYCH  
101  
6102005 1 MTWRF 12:10-1:10  
MEETS: MAY 18-JULY 10

INDEPENDENT STUDY PSYCH 490 1- 3 CREDITS  
Prereq: JR CLASSIF, 6 CR IN PSYCH, INSTR PERMISSN  
Note: NO MORE THAN 9 CREDITS OF PSYCH 490 MAY BE  
APPLIED TOWARD A DEGREE IN PSYCHOLOGY. COURSE  
RESTRICTED TO JUNIORS AND SENIORS ONLY.  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

INDEP 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 490 MAY BE  
APPLIED TOWARD A DEGREE IN PSYCHOLOGY. COURSE  
RESTRICTED TO HONORS PROGRAM JUNIORS AND SENIORS ONLY  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

RESEARCH PRACTICUM PSYCH 491 VAR. CREDITS  
Prereq: JR CLASSIFICATION, INSTR PERMISSION,  
CREDIT OR ENROLLMENT IN PSYCH 301  
Note: NO MORE THAN 9 CREDITS OF PSYCH 491 MAY BE  
APPLIED TOWARD A DEGREE IN PSYCHOLOGY. RESTRICTED  
TO JUNIORS AND SENIORS ONLY.  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

FLD PRACTCM:HUMN SV PSYCH 492A VAR. CREDITS  
Prereq: JUNIOR CLASSIFICATION, 12 CREDITS  
IN PSYCHOLOGY, PERMISSION OF INSTRUCTOR  
Satisfactory-Fail Only.  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

## PSYCHOLOGY (CONTINUED)

FLD PRACTCM:I/O PSY PSYCH 492B 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.  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

SPCL TOP COUNSELING PSYCH 590A VAR. CREDITS  
Prereq: 12 CREDITS IN PSYCH, PERMISSION OF INSTR  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

SPL TOPIC COGNITIVE PSYCH 590Q VAR. CREDITS  
Prereq: 12 CREDITS IN PSYCH, PERMISSION OF INSTR  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

SPECL TOPICS SOCIAL PSYCH 590R VAR. CREDITS  
Prereq: 12 CREDITS IN PSYCH, PERMISSION OF INSTR  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

INTERNSHIP IN PSYCH PSYCH 597 R CREDIT  
Prereq: M.S. DEGREE CANDIDACY; PERMISSION OF  
INSTRUCTOR  
7659005 1 ARRANGED  
MEETS: MAY 18-AUG 7

CREATIVE COMPONENT PSYCH 599 VAR. CREDITS  
Satisfactory-Fail Only.  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

EXT PRCTCM ADV CNSL PSYCH 691D VAR. CREDITS  
Prereq: 691A, 691B, PERMISSION OF INSTRUCTOR  
Note: COURSE ONLY OFFERED FOR 1-3 CREDITS SUMMER 2020  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

PRACT GROUP COUNSEL PSYCH 691G VAR. CREDITS  
Prereq: PSYCH 626, PSYCH 691A, PERMISSION OF  
INSTRUCTOR  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

PRACTICUM TEACHING PSYCH 691T VAR. CREDITS  
Prereq: PSYCH 633, PERMISSION OF INSTRUCTOR  
Satisfactory-Fail Only.  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

INTERN COUNSELING PSYCH 697 R CREDIT  
Prereq: PH.D. CANDIDACY IN THE COUNSELING PSYCH  
PROG, APPROVED DISSERTATION PROPOSAL, INSTR PERMISSN  
6182005 1 ARRANGED  
MEETS: MAY 18-AUG 7

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

**PUBLIC RELATIONS**

STRATEG PLAN AD&P.R P R 301 3 CREDITS  
Prereq: ADVRT 230 OR P R 220  
6910600 XW ARRANGED WIGTON M  
MEETS: MAY 18-JULY 10  
Note: Section XW is off campus  
Course delivery is WWW  
Delivery fee \$150.00

PRO MDIA INTERN:REQ P R 499A 3 CREDITS  
Prereq: JL MC 110, FORMAL FACULTY ADVISR APPROVAL  
JL MC MAJORS: C+ OR BETTER IN JL MC 302 OR JL MC 306  
ADVRT MAJORS: C+ OR BETTER IN JL MC 201 AND ADVRT 301  
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

PRO MDIA INTERN:OPT P R 499B 1- 3 CREDITS  
Prereq: JL MC 110, FORMAL FACULTY ADVISR APPROVAL  
JL MC MAJORS: C+ OR BETTER IN JL MC 302 OR JL MC 306  
ADVRT MAJORS: C+ OR BETTER IN JL MC 201 AND ADVRT 301  
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

**RELIGIOUS STUDIES**

INTRO WRLD RELIGION RELIG 205 3 CREDITS  
Note: Meets international perspectives reqmt  
6109005 1 MTWRF 9:50-11:50  
MEETS: MAY 18-JUNE 12  
6109600 XW ARRANGED WILSON C  
MEETS: JUNE 15-AUG 7  
Note: Section XW is off campus  
Course delivery is WWW  
Delivery fee \$150.00

## RELIGIOUS STUDIES (CONTINUED)

RELIGION IN AMERICA RELIG 210 3 CREDITS  
Note: Meets U.S. diversity reqmt  
6188600 XW ARRANGED CHASE C  
MEETS: MAY 18-JULY 10  
Note: Section XW is off campus  
Course delivery is WWW  
Delivery fee \$150.00

INDEPENDENT STUDY RELIG 490 1- 3 CREDITS  
Prereq: 6 CR IN RELIGIOUS STUDIES; PERMISSION  
OF INSTRUCTOR; APPROVAL OF DEPT CHAIR  
Note: NO MORE THAN 9 CREDITS OF RELIG 490 MAY BE  
APPLIED TOWARD GRADUATION  
Instructor permission required 1st week.  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

INDEP STUDY HONORS RELIG 490H 1- 3 CREDITS  
Prereq: 6 CR IN RELIG, PERMISSION OF INSTRUCTOR,  
APPROVAL OF PROFESSOR IN CHARGE OF PROGRAM,  
MEMBERSHIP IN UNIVERSITY HONORS PROGRAM  
Note: NO MORE THAN 9 CREDITS OF RELIG 490 MAY BE  
APPLIED TOWARD GRADUATION. RESTRICTED TO HONORS  
PROGRAM STUDENTS ONLY.  
Instructor permission required 1st week.  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

SPL TOP RELIG STUDI RELIG 590 1- 3 CREDITS  
Prereq: PERMISSION OF INSTRUCTOR, 9 CR IN RELIG  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

**RESEARCH & EVALUATION**

BASIC EDUC STATISTC RESEV 552 3 CREDITS  
7368005 1 MTWR 2:00-5:00  
MEETS: JUNE 15-JULY 10

SPECIAL TOPICS RESEV 590 1- 3 CREDITS  
Prereq: GRADUATE STANDING  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

SUPRVSD FIELD EXPER RESEV 591 2- 4 CREDITS  
Prereq: RESEV 553 OR RESEV 680  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

ADV SPECIAL TOPICS RESEV 690 1- 3 CREDITS  
Prereq: GRADUATE STANDING  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

RESEARCH RESEV 699 VAR. CREDITS  
Prereq: GRADUATE STANDING  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

**RUSSIAN**

INDEPENDENT STUDY RUS 490 1- 6 CREDITS  
Prereq: 6 CR IN RUSSIAN; PERMISSION OF DEPT CHAIR  
Note: NO MORE THAN 9 CREDITS IN RUS 490 MAY BE  
APPLIED TOWARD GRADUATION  
Permission of department chair required.  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

INTERNSH IN RUSSIAN RUS 499 1- 3 CREDITS  
Prereq: 9 CREDITS OF RUSSIAN AT THE 300 LEVEL;  
PERMISSION OF ADVISER AND WORLD LANGUAGES AND  
CULTURES INTERNSHIP COORDINATOR  
Note: NO MORE THAN 3 CREDITS IN RUS 499 MAY BE  
APPLIED TOWARD GRADUATION IN THE MAJOR  
Department permission required.  
Satisfactory-Fail Only.  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

**SOCIOLOGY**

INTRO TO SOCIOLOGY SOC 134 3 CREDITS  
Note: CREDIT FOR EITHER SOC 130 OR SOC 134, BUT NOT  
BOTH, MAY BE APPLIED TOWARD GRADUATION  
6346600 XV ARRANGED SCHWEINGRUBER D  
MEETS: JUNE 15-AUG 7  
Note: Section XV is off campus  
Course delivery is WWW  
Delivery fee \$150.00

6346605 XW ARRANGED KRIER D  
MEETS: MAY 18-JUNE 12  
Note: Section XW is off campus  
Course delivery is WWW  
Delivery fee \$150.00

YOUTH & CRIME SOC 241 3 CREDITS  
6350600 XW ARRANGED  
MEETS: JUNE 15-JULY 10  
Note: Section XW is off campus  
Course delivery is WWW  
Delivery fee \$150.00

## SOCIOLOGY

(CONTINUED)

SOC PSYCH:SOC PERSP SOC 305 3 CREDITS  
Prereq: SOC 134  
6355600 XW ARRANGED JONES-JOHNSON G  
MEETS: JUNE 15-JULY 10  
Note: Section XW is off campus  
Course delivery is WWW  
Delivery fee \$150.00

ETHNIC&RACE RELATNS SOC 330 3 CREDITS  
Prereq: SOC 134  
Note: Meets U.S. diversity reqmt  
6352600 XW ARRANGED KUSOW A  
MEETS: MAY 18-JUNE 12  
Note: Section XW is off campus  
Course delivery is WWW  
Delivery fee \$150.00

POLITICS & SOCIETY SOC 334 3 CREDITS  
Prereq: A COURSE IN POLITICAL SCIENCE OR  
SOCIOLOGY  
7401600 XW ARRANGED DOBRATZ B  
MEETS: JUNE 15-JULY 10  
Note: Section XW is off campus  
Course delivery is WWW  
Delivery fee \$150.00

DEVIANT & CRIM BEHAV SOC 340 3 CREDITS  
Prereq: SOC 134 OR CJ ST 240  
6358600 XW ARRANGED BEHNKEN M  
MEETS: JUNE 15-AUG 7  
Note: Section XW is off campus  
Course delivery is WWW  
Delivery fee \$150.00

CRIM & JUV JUST PRAC SOC 460 3-12 CREDITS  
Prereq: JR/SR CLASSIFICATN; PERMISSN OF THE CJ ST  
COORDINATOR; MAJOR OR MINOR IN CJ ST OR SOC  
Note: NO MORE THAN 9 CREDITS OF SOC 460/CJ ST 460  
MAY BE APPLIED TOWARD GRADUATION. NO CREDITS IN  
SOC 460/CJ ST 460 MAY BE USED TO SATISFY MINIMUM  
SOCIOLOGY REQUIREMENTS FOR SOCIOLOGY MAJORS.  
Satisfactory-Fail Only.  
6370005 1 ARRANGED  
MEETS: MAY 18-AUG 7  
6370010 2 ARRANGED  
MEETS: MAY 18-JULY 10  
Note: SECT 2 OFFERED FOR 3-4 CREDITS

INDEP STUDY GEN SOC SOC 490A 1- 3 CREDITS  
Prereq: 6 CR IN SOC AND PERMISSION OF INSTRUCTOR  
Note: STUDENTS IN THE COLLEGE OF AGRICULTURE MAY  
APPLY NO MORE THAN 6 CREDITS OF SOC 490 TOWARD  
THE TOTAL OF 128 CREDITS REQUIRED FOR GRADUATION.  
STUDENTS IN THE LAS COLLEGE MAY APPLY NO MORE THAN  
9 CREDITS OF SOC 490 TOWARD GRADUATION.  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

IND STUDY RURAL SOC SOC 490B 1- 3 CREDITS  
Prereq: 6 CR IN SOC AND INSTRUCTOR PERMISSION  
Note: STUDENTS IN THE COLLEGE OF AGRICULTURE MAY  
APPLY NO MORE THAN 6 CREDITS OF SOC 490 TOWARD  
THE TOTAL OF 128 CREDITS REQUIRED FOR GRADUATION.  
STUDENTS IN THE LAS COLLEGE MAY APPLY NO MORE THAN  
9 CREDITS OF SOC 490 TOWARD GRADUATION.  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

INDEP STUDY HONORS SOC 490H 1- 3 CREDITS  
Prereq: 6 CR IN SOC AND PERMISSION OF INSTRUCTOR,  
MEMBERSHIP IN UNIV HONORS PROGRAM  
Note: STUDENTS IN THE COLLEGE OF AGRICULTURE MAY  
APPLY NO MORE THAN 6 CREDITS OF SOC 490 TOWARD  
THE TOTAL OF 128 CREDITS REQUIRED FOR GRADUATION.  
STUDENTS IN THE LAS COLLEGE MAY APPLY NO MORE THAN  
9 CREDITS OF SOC 490 TOWARD GRADUATION.  
RESTRICTED TO UNIV HONORS PROGRAM STUDENTS ONLY.  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

SPCL TOPICS GEN SOC SOC 590A 1- 3 CREDITS  
Prereq: 6 CR IN SOC; SR OR GRADUATE CLASSIFICATN  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

SPL TOPCS RURAL SOC SOC 590B 1- 3 CREDITS  
Prereq: 6 CR IN SOC; SR OR GRADUATE CLASSIFICATN  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

MASTERS RES GEN SOC SOC 599A 1- 6 CREDITS  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

MASTERS RSRCH RURAL SOC 599B 1- 6 CREDITS  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

RESEARCH GENERL SOC SOC 699A 1- 8 CREDITS  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

RESEARCH RURAL SOC SOC 699B 1- 8 CREDITS  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

## SOFTWARE ENGINEERING

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

INDEPENDENT STUDY S E 490 VAR. CREDITS  
Prereq: SENIOR CLASSIFICATION IN SOFTWARE ENGR  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

## SPANISH

STUDY ABROAD SPAN 395 1-10 CREDITS  
Prereq: 2 YRS UNIV-LEVEL SPANISH OR EQUIVALENT  
Note: Meets international perspectives reqmt  
Department permission required.  
6489025 RG ARRANGED  
MEETS: MAY 18-AUG 7  
Note: SECTION RG IS REGENTS STUDY ABROAD IN PERU.  
OFFERED FOR 3 CREDITS.  
Tuition Category: Regents Summer Study Abroad  
6489030 R2 ARRANGED  
MEETS: MAY 18-AUG 7  
Note: SECTION R2 IS REGENTS STUDY ABROAD IN PERU.  
OFFERED FOR 3 CREDITS.  
Tuition Category: Regents Summer Study Abroad

INDEPENDENT STUDY SPAN 490 1- 6 CREDITS  
Prereq: 6 CR IN SPANISH; PERMISSION OF DEPT CHAIR  
Note: NO MORE THAN 6 CREDITS IN SPAN 490 MAY BE  
APPLIED TOWARD GRADUATION  
Permission of department chair required.  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

SPANISH INTERNSHIP SPAN 499 1- 3 CREDITS  
Prereq: 9 CREDITS OF SPAN AT 300 LEVEL; PERMISSN  
OF ADVISER AND WORLD LANGUAGES AND CULTURES  
INTERNSHIP COORDINATOR  
Note: COURSE ONLY OFFERED FOR 3 CREDITS SUMMER 2020.  
NO MORE THAN 3 CREDITS IN SPAN 499 MAY BE APPLIED  
TOWARD GRADUATION IN THE MAJOR.  
Department permission required.  
Satisfactory-Fail Only.  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

SPL TOP SPANISH LIT SPAN 590A 1- 4 CREDITS  
Prereq: PERMSN OF INSTRUCTOR; 6 CR 400-LEVEL SPAN  
Note: COURSE ONLY OFFERED FOR 2 CREDITS SUMMER 2020  
2572005 DB ARRANGED  
MEETS: MAY 18-AUG 7  
Note: Instructor permission required.

SPL TOP SPAN CIVLZN SPAN 590D 1- 4 CREDITS  
Prereq: PERMSN OF INSTRUCTOR; 6 CR 400-LEVEL SPAN  
Note: COURSE ONLY OFFERED FOR 3 CREDITS SUMMER 2020  
3907005 1 ARRANGED  
MEETS: JULY 13-AUG 7

## SPECIAL EDUCATION

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

TCH EXCPT SC GEN ED SP ED 501 3 CREDITS  
Prereq: BACCALAUREATE DEGREE  
2607005 1 F 5:30-8:30PM  
S 8:00-4:00  
MEETS: JUNE 5-27

FND BEHAV DIS&LRN D SP ED 511 3 CREDITS  
Prereq: SP ED 501 OR EQUIVALENT  
8694005 1 MTWR 3:00-5:00  
S 9:00-3:00  
MEETS: JUNE 15-JULY 3  
Note: SEC 1 MEETS MON-THURS ONLINE, SAT ON CAMPUS

TCH STRUGL ADOL RDR SP ED 553 3 CREDITS  
Prereq: TEACHING LICENSE OR SENIOR CLASSIFICATION  
7663005 1 MTWR 9:00-12:00  
MEETS: MAY 11-JUNE 5

CLSRM MGT/BEHVR SUP SP ED 560 3 CREDITS  
Prereq: TEACHING LICENSE  
6469005 1 MTWR 9:00-11:30  
S 9:00-3:00  
MEETS: JULY 6-24  
Note: SEC 1 MEETS MON-THURS ONLINE, SAT ON CAMPUS

## SPECIAL EDUCATION (CONTINUED)

SPECIAL TOPICS SP ED 590 1- 5 CREDITS  
Prereq: 6 CREDITS IN EDUC  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

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

CREATIVE COMPONENT SP ED 599 1- 5 CREDITS  
Prereq: 15 CREDITS IN EDUCATION  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

RESEARCH SP ED 699 VAR. CREDITS  
Prereq: 15 CREDITS IN EDUCATION  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

**SPEECH COMMUNICATION**

FUND PUBLIC SPEAKNG SP CM 212 3 CREDITS  
8643010 1 MTWRF 8:40-10:40  
MEETS: MAY 18-JUNE 12

8643040 2 MTWRF 8:40-10:40  
MEETS: MAY 18-JUNE 12

8643015 3 MTWRF 9:50-11:50  
MEETS: MAY 18-JUNE 12

8643020 4 MTWRF 11:00-1:00  
MEETS: MAY 18-JUNE 12

8643025 5 MTWRF 8:40-9:40  
MEETS: MAY 18-JULY 10

8643030 6 MTWRF 9:50-10:50  
MEETS: MAY 18-JULY 10

8643035 7 MWF 9:50-11:30  
MEETS: JUNE 15-AUG 7

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  
MINIMUM REQUIRED CREDITS FOR THE MAJOR. NO CREDITS  
IN SP CM 290 MAY BE APPLIED TOWARD THE MINOR.  
Department permission required.  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

CLSRM&WORKSHOP COMM SP CM 313 3 CREDITS  
Prereq: SP CM 212  
6430005 1 MTWRF 12:10-2:20  
MEETS: JUNE 15-JULY 10

GENDER & COMMUNICTN SP CM 323 3 CREDITS  
Note: Meets U.S. diversity reqmt  
2640600 XW ARRANGED  
MEETS: MAY 18-JULY 10  
Note: Section XW is off campus  
Course delivery is WWW  
Delivery fee \$150.00

INDEPENDENT STUDY SP CM 490 1- 3 CREDITS  
Prereq: 18 CREDITS IN SP CM, JUNIOR CLASSIFICATN,  
PERMISSION OF PROGRAM DIRECTOR  
Note: PERMISSION OF BEN CROSBY REQUIRED TO ADD.  
PROCESS APPROVED ADD SLIP IN 10 ENRL SC. NO CREDITS  
IN SP CM 490 MAY BE APPLIED TOWARD THE MINOR.  
Department permission required.  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

COMMUNIC INTERNSHIP SP CM 499 1- 3 CREDITS  
Prereq: 18 CR IN SP CM COURSES, OTHER COURSES  
ADVISER DEEMS APPROPRIATE; 2ND SEMESTER JR OR SR  
STANDING; CUM GPA OF AT LEAST 2.5 OVERALL & 3.0  
IN SP CM; PERMISSION OF THE INTERNSHIP COMMITTEE  
Note: NO CREDITS IN SP CM 499 MAY BE APPLIED TOWARD THE  
MINIMUM REQUIRED CREDITS FOR THE MAJOR. NO CREDITS  
IN SP CM 499 MAY BE APPLIED TOWARD THE MINOR.  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

SPECIAL TOPICS SP CM 590 1- 4 CREDITS  
Prereq: PERMISSION OF PROGRAM CHAIR  
Note: NO CREDITS IN SP CM 590 MAY BE APPLIED TOWARD THE  
MINIMUM REQUIRED CREDITS FOR THE MAJOR. NO CREDITS  
IN SP CM 590 MAY BE APPLIED TOWARD THE MINOR.  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

**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  
6502005 1 MTWRF 8:40-9:40  
MR 9:50-11:50  
MEETS: MAY 18-JULY 10

## STATISTICS (CONTINUED)

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  
Instructor permission required 1st week.  
6503005 1 MWF 8:40-9:40  
TF 9:50-11:50  
MEETS: MAY 18-JULY 10

INTR BUSINES STAT I STAT 226 3 CREDITS  
Prereq: MATH 150 OR MATH 165  
Note: CREDIT FOR ONLY ONE OF THE FOLLOWING MAY BE  
APPLIED TOWARD GRADUATION: STAT 226, STAT 101,  
STAT 104, STAT 105, STAT 201. RESTRICTED TO ACCT,  
BUS S, BUSAD, BUS U, BUSEC, ECON, ENTSP, FIN, I BUS,  
MGMT, MIS, MKT, P BUS, SCM, AG B MAJORS ONLY.  
3975005 1 MTWRF 8:40-9:40  
MEETS: MAY 18-JULY 10

ENGINEERING STAT STAT 305 3 CREDITS  
Prereq: MATH 165  
Note: CREDIT FOR EITHER STAT 105 OR STAT 305, BUT NOT  
BOTH, MAY BE APPLIED TOWARD GRADUATION  
6509005 1 MTWRF 9:50-10:50  
MEETS: MAY 18-JULY 10  
Note: Instructor permission required 1st week.

INTR BUSINS STAT II STAT 326 3 CREDITS  
Prereq: STAT 226  
Note: CREDIT FOR ONLY ONE OF THE FOLLOWING COURSES  
MAY BE APPLIED TOWARD GRADUATION: STAT 301, STAT 326,  
STAT 401  
6510005 1 MWR 8:40-9:40  
TF 8:40-10:40  
MEETS: MAY 18-JULY 10

PROBAB&STAT COM SCI STAT 330 3 CREDITS  
Prereq: MATH 166  
7372005 1 MTWRF 9:50-10:50  
MEETS: MAY 18-JULY 10

COOPERATIVE EDUCATN STAT 398 R CREDIT  
Prereq: PERMISSION OF DEPARTMENT CHAIR  
1530005 1 ARRANGED  
MEETS: MAY 18-AUG 7

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

INDEP STUDY HONORS STAT 490H VAR. CREDITS  
Prereq: 10 CR IN STAT, MEMBERSHIP IN HONORS PROG  
Note: NO MORE THAN 9 CREDITS IN STAT 490 MAY BE  
APPLIED TOWARD GRADUATION  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

STAT MTHD FOR RSRCH STAT 587 4 CREDITS  
Prereq: ONE OF THE FOLLOWING: STAT 101, STAT 104,  
STAT 105, STAT 201, STAT 226, OR EQUIVALENT UNDERGRAD  
LEVEL APPLIED STATISTICS COURSE; OR PERMISSION OF  
DEPARTMENT  
3680005 1 MTWRF 8:40-9:40  
MR 9:50-11:50  
MEETS: MAY 18-JULY 10

STAT THEORY FOR RES STAT 588 4 CREDITS  
Prereq: MATH 151 AND INSTR PERMISSN, OR MATH 265  
3694005 1 MTWR 2:10-4:00  
MEETS: MAY 18-JULY 10

SPL TOP DESGN EXPR STAT 590C VAR. CREDITS  
6556005 1 ARRANGED  
MEETS: MAY 18-AUG 7

SPL TOP SAMP SURVEY STAT 590D VAR. CREDITS  
6557005 1 ARRANGED  
MEETS: MAY 18-AUG 7

SPL TOPCS STAT EDUC STAT 590E VAR. CREDITS  
Note: COURSE ONLY OFFERED FOR 2 CREDITS SUMMER 2020  
8521005 1 ARRANGED  
MEETS: MAY 18-AUG 7

COOPERATIVE EDUCATN STAT 598 R CREDIT  
Prereq: PERMISSION OF THE DEPARTMENT CHAIR  
4153005 1 ARRANGED  
MEETS: MAY 18-AUG 7  
Note: Permission of department chair required.

CREATIVE COMPONENT STAT 599 VAR. CREDITS  
Satisfactory-Fail Only.  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS



## STATISTICS

(CONTINUED)

RESEARCH STAT 699 VAR. CREDITS  
 \*\*\*\*\* 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 18-JUNE 12

Note: SECT A1 RESTRICTED TO ACCT, ACSCI, AG B, AG SO, AST, BU AN, BUS S, BUS U, BUSEC, ENTSP, FIN, I TEC, MGMT, MIS, MKT, SCM UNGRAD MAJORS ONLY. SECTION A1 IS A HYBRID COURSE THAT WILL MEET IN A CLASSROOM TUESDAYS AND THURSDAYS 12:10-2:10 P.M. WITH THE REMAINDER OF THE COURSE CONTENT DELIVERED ONLINE.

1629010 A2 TR 12:10-2:10

ARRANGED  
 MEETS: MAY 18-JUNE 12

Note: SECT A2 IS FOR UNDERGRAD MAJORS OTHER THAN ACSCI, AG B, AG SO, AST, BU AN, BUS S, BUS U, BUSEC, BUSAD, ENTSP, FIN, I TEC, MGMT, MIS, MKT, P BUS, SCM. SECT A2 IS A HYBRID COURSE THAT WILL MEET IN A CLASSROOM TUESDAYS AND THURSDAYS 12:10-2:10 P.M. WITH THE REMAINDER OF THE COURSE CONTENT DELIVERED ONLINE. ONLINE REPRESENTED BY ARRANGED.

INDEPENDENT STUDY SCM 490 1- 3 CREDITS

Prereq: SCM 301, SENIOR CLASSIFICATN, 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 PERMISSN

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

RSEARCH PRACTICUM I SCM 650 1 CREDIT

Prereq: ENROLLMENT IN THE PH D PROGRAM

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

RSEARCH 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 PERMISSN

\*\*\*\*\* 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 DSIGN STO II SUS E 502 5 CREDITS

Prereq: SUS E 501, SUS E 512, SUS E 531

3369005 1 MWF 1:10-5:20

ARRANGED

MEETS: MAY 18-AUG 7

Note: MEETS MWF 1:10-5:20 ONLY THROUGH JULY 6.

ARRANGED ONLY JULY 7-AUG 3.

SUSTBL DSN CLLQ III SUS E 513 3 CREDITS

Prereq: SUS E 540, SUS E 502

5901005 1 TR 8:40-12:00

MEETS: JUNE 15-AUG 7

Note: TOPIC: COLLOQUIUM III

**TECHNOLOGY SYSTEMS MANAGEMENT**

TECHNOLGY INTERNSHP 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 EXPRNCE TCHNOL 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

## TECHNOLOGY SYSTEMS MANAGEMENT

(CONTINUED)

INDEP STUDY HONORS TSM 490H 1- 4 CREDITS

Prereq: JUNIOR OR SENIOR CLASSIF, INSTRUCTOR PERMISSION, COMPLETION OF INDEPENDENT STUDY CONTRACT AND APPROVAL BY DEPARTMENT

Note: NO MORE THAN 4 CREDITS OF TSM 490 MAY BE USED TOWARD THE TOTAL OF 128 CREDITS REQ'D FOR GRADUATION. RESTRICTED TO HONORS PROGRAM STUDENTS ONLY.

Department permission required.

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

IND STDY MANUFACTRG 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 USED TOWARD THE TOTAL OF 128 CREDITS REQ'D FOR GRADUATION

Department permission required.

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

IND STDY BIOSYS MGT 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 USED TOWARD THE TOTAL OF 128 CREDITS REQUIRED FOR GRADUATION.

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

IND STDY MACHIN SYS 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 USED TOWARD THE TOTAL OF 128 CREDITS REQ'D FOR GRADUATION

Department permission required.

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

IND STU OCCUP SAFET 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 USED TOWARD THE TOTAL OF 128 CREDITS REQ'D FOR GRADUATION

Department permission required.

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

WKSHP OCCUPA 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 1 ARRANGED

MEETS: MAY 18-AUG 7

Note: Department permission required.

STUDY ABROAD TSM 496 1- 4 CREDITS

Prereq: PERMISSION OF INSTRUCTOR

Note: Meets international perspectives reqmt

9387800 FR ARRANGED ROSENTRATER K

MEETS: MAY 11-30

Note: SEC FR TAUGHT IN FRANCE, PARIS AREA, TITLE: CATHEDRALS, CASTLES, CULTURE & CUISINE-SAFE & NUTRITIOUS FOOD IN FRANCE. STUDY ABROAD SUMMER 2020. OFFERED FOR 1 CREDIT Study Abroad Administrative Fee Applies

SPL TP AG&BIOSY MGT TSM 590A 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 MACHINE SYS TSM 590B 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 TOPC MANUFACTRG 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 OCCUP SAFET 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

CREATIVE COMPONENT TSM 599 1- 3 CREDITS

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

## TECHNOLOGY SYSTEMS MANAGEMENT (CONTINUED)

TECHNOLOGY INTERNSHP TSM 697 R CREDIT  
 Prereq: PERMISSION OF MAJOR PROFESSOR AND  
 APPROVAL BY DEPARTMENT CHAIR, GRAD CLASSIFICATION  
 Satisfactory-Fail Only.  
 4646005 1 ARRANGED  
 MEETS: MAY 18-AUG 7

RESEARCH TSM 699 1- 6 CREDITS  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

**THEATRE**

THEATRE AND SOCIETY THTRE 110 3 CREDITS  
 1103600 XW ARRANGED SCHAEFFER K  
 MEETS: JUNE 15-AUG 7  
 Note: Section XW is off campus  
 Course delivery is WWW  
 Delivery fee \$150.00

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

ADV THTRE PRACTICUM THTRE 469 1- 3 CREDITS  
 Prereq: 9 CR 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  
 \*\*\*\*\* 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  
 AND 3.00 IN THTRE COURSES  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

SPECIAL TOPICS THTRE 590 1- 4 CREDITS  
 Prereq: APPROVED WRITTEN PROPOSAL  
 Note: Permission of department chair required.  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

**TOXICOLOGY**

TOXICOLOGY SEMINAR TOX 504 1 CREDIT  
 Prereq: PERMISSION OF INSTRUCTOR  
 7126005 1 ARRANGED  
 MEETS: MAY 18-AUG 7

CLIN & DIAGNOS TOXIC TOX 546 1- 3 CREDITS  
 Prereq: D.V.M. DEGREE OR VDPAM 526  
 1231005 1 ARRANGED  
 MEETS: MAY 18-AUG 7

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

RESEARCH TOX 699 VAR. CREDITS  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

**TRANSPORTATION**

CREATIVE COMPONENT TRANS 599 1- 3 CREDITS  
 Prereq: PRE-ENROLLMENT CONTRACT REQUIRED  
 4160005 1 ARRANGED  
 MEETS: MAY 18-AUG 7

RESEARCH TRANS 699 VAR. CREDITS  
 6787005 1 ARRANGED  
 MEETS: MAY 18-AUG 7

**U.S. LATINO/A STUDIES**

TOP LATN AM REGIONL US LS 323D 3 CREDITS  
 Prereq: ANTHR 201 OR ANTHR 306 RECOMMENDED  
 Note: Meets international perspectives reqmt  
 6661800 BZ ARRANGED SOMERVILLE A  
 MEETS: MAY 11-24  
 Note: SEC BZ TAUGHT IN BELIZE. TOPIC: FROM  
 JUNGLE TO REEF: THE TROPICAL ECOLOGY, MARINE  
 BIOLOGY, & CULTURAL DIVERSITY OF BELIZE.  
 STUDY ABROAD SUMMER 2020  
 Study Abroad Administrative Fee Applies

LATINA/O HISTORY US LS 372 3 CREDITS  
 Note: Meets U.S. diversity reqmt  
 3427600 XW ARRANGED BEHNKEN M  
 MEETS: JUNE 15-JULY 10  
 Note: Section XW is off campus  
 Course delivery is WWW

## U.S. LATINO/A STUDIES (CONTINUED)

INTERN US LATINO ST US LS 499X 1- 3 CREDITS  
 Prereq: US LS 211 OR PERMISSION OF PROGRAM  
 DIRECTOR  
 Satisfactory-Fail Only.  
 0325005 1 ARRANGED  
 MEETS: MAY 18-AUG 7

**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  
 Satisfactory-Fail Only.  
 8454005 1 TR 1:10-2:00  
 MEETS: JUNE 15-AUG 7  
 8454010 2 TR 3:10-4:00  
 MEETS: JUNE 15-AUG 7  
 8454015 3 TR 3:10-4:00  
 MEETS: JUNE 15-AUG 7  
 8454020 4 TR 1:10-2:00  
 MEETS: JUNE 15-AUG 7

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.  
 Department permission required.  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

**URBAN DESIGN**

URBN DSN GLOBL STDO URB D 502 6 CREDITS  
 Prereq: GRADUATE STANDING, OR SENIOR  
 CLASSIFICATION WITH INSTRUCTOR PERMISSION  
 3863005 1 MWR 9:00-3:00  
 MEETS: MAY 18-JULY 10

URBANISM RESEARCH URB D 513 3 CREDITS  
 Prereq: URB D 502  
 6062005 1 F 9:00-12:15  
 TF 9:00-1:00  
 MEETS: MAY 18-JULY 10  
 Note: FRIDAY MEETINGS MAY 20-JUNE 14.  
 TUESDAY AND FRIDAY MEETINGS JUNE 17-JULY 12.

FOUNDATNS URBN DSGN URB D 521 3 CREDITS  
 Prereq: GRADUATE STANDING, OR SENIOR  
 CLASSIFICATION WITH INSTRUCTOR PERMISSION  
 4020005 1 ARRANGED  
 MEETS: MAY 18-JUNE 12  
 Note: TOPIC: FOUNDATIONS OF URBAN DESIGN  
 Course delivery is WWW

SPL TOP URBAN DESGN URB D 590X 1- 3 CREDITS  
 Prereq: GRADUATE STANDING  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

**VET DIAGNOSTIC & PRODUCTION AN MED**

PRECP:MXD FD AN MED VDPAM 420A 1- 6 CREDITS  
 Prereq: 4TH YEAR CLASSIFICATION IN V MED  
 9072005 1 ARRANGED

PRECP PRD AN MD:MXD VDPAM 420B 1- 6 CREDITS  
 Prereq: 4TH YEAR CLASSIFICATION IN V MED  
 5207005 1 ARRANGED

PRECP PT PROD AN:GOVT VDPAM 420C 1- 6 CREDITS  
 Prereq: 4TH YEAR CLASSIFICATION IN V MED  
 5210005 1 ARRANGED

PRECP PRD AN MD:POU VDPAM 420P 1- 6 CREDITS  
 Prereq: 4TH YEAR CLASSIFICATION IN V MED.  
 RECOMMENDED: VDPAM 408 OR VDPAM 498.  
 Note: NO MORE THAN 6 CREDITS IN VDPAM 420P MAY BE  
 APPLIED TOWARD GRADUATION  
 9110005 1 ARRANGED

GPVEC:SHEEP WEANING VDPAM 421R 1 CREDIT  
 Prereq: 4TH-YEAR CLASSIFICATION IN VET MED;  
 ABILITY TO PROVIDE OWN TRANSPORTATION TO EACH SITE  
 9793005 1 ARRANGED

CLIN EMBRYO TRANSFR VDPAM 451 2 CREDITS  
 Prereq: VDPAM 351; FOURTH YEAR CLASSIFICATION IN  
 VET MED  
 4334005 1 ARRANGED

ANIM WELFARE CLINIC VDPAM 465 2 CREDITS  
 Prereq: FOURTH-YEAR CLASSIFICATION IN V MED  
 9642005 1 ARRANGED  
 MEETS: MAY 18-AUG 7

## VET DIAGNOSTIC &amp; PRODUCTION AN MED (CONTINUED)

THERIOGENOL:FD ANIM VDPAM 471 2 CREDITS  
 Prereq: 4TH-YEAR CLASSIFICATION IN V MED  
 6694005 1 MTWRF 8:00-5:00

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 2020  
 8725005 1 MTWRF 8:00-5:00

FD ANM&CAM MED&SURG VDPAM 477 2 CREDITS  
 Prereq: FOURTH-YEAR CLASSIFICATION IN V MED  
 6909005 1 MTWRF 8:00-5:00

SWINE PHARMAC&TREAT VDPAM 478B 2 CREDITS  
 Prereq: VDPAM 310  
 0379005 1 ARRANGED  
 MEETS: MAY 18-AUG 7

SWI PROD MED PRECEP VDPAM 479 1- 6 CREDITS  
 Prereq: VDPAM 310; FOURTH YEAR CLASSIFICATION  
 IN VETERINARY MEDICINE  
 Note: COURSE RESTRICTED TO VM 4 STUDENTS ONLY  
 5454005 1 ARRANGED

SWINE PRODUCTN MED VDPAM 480 2 CREDITS  
 Prereq: VDPAM 310; 4TH YEAR CLASSIFICATN IN V MED  
 OR PERMISSION OF INSTRUCTOR  
 5572005 1 ARRANGED

BF PROD MED PRECPTR VDPAM 482 1- 6 CREDITS  
 Prereq: VDPAM 310; 4TH YEAR CLASSIFICATN IN V MED  
 4331005 1 ARRANGED

DAIRY PRODUCTN MED VDPAM 484 2 CREDITS  
 Prereq: VDPAM 310; 4TH-YEAR CLASSIFICATN IN V MED  
 5609005 1 MTWRF 8:00-12:00  
 MTWRF 2:00-5:00

APP DAIRY PRODU MED VDPAM 485 1- 6 CREDITS  
 Prereq: VDPAM 310; 4TH-YEAR CLASSIFICATN IN V MED  
 Note: MULTIPLE ENROLLMENTS ARE ALLOWED. RESTRICTED  
 TO 4TH YEAR VET MED STUDENTS.  
 5431005 1 ARRANGED

INDEPENDENT STUDY VDPAM 490 1- 5 CREDITS  
 Prereq: PERMISSION OF DEPARTMENT CHAIR  
 Note: Permission of instructor required. Process  
 approved add slip in 2270A Vet Med.  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

INT'L PRECEPTORSHIP VDPAM 496 1-12 CREDITS  
 Prereq: 2ND, 3RD OR 4TH YR CLASSIFICATN IN V MED  
 Satisfactory-Fail Only.  
 7848005 1 ARRANGED

POULTRY MEDICINE VDPAM 498X 2 CREDITS  
 Prereq: VM4 STUDENT, OR BY PERMISSN OF INSTRUCTOR  
 0393005 1 ARRANGED  
 MEETS: MAY 18-AUG 7

CLIN &DIAGNOS TOXIC VDPAM 546 1- 3 CREDITS  
 Prereq: D.V.M. DEGREE OR VDPAM 526  
 7676005 1 ARRANGED  
 MEETS: MAY 18-AUG 7

ADV VET DIAGNOS LAB VDPAM 551 1- 3 CREDITS  
 Prereq: VDPAM 455  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

SPECIAL TOPICS VDPAM 590 1- 3 CREDITS  
 Prereq: PERMISSION OF INSTRUCTOR  
 Note: Instructor permission required.  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

INT'L PRECEPTORSHIP VDPAM 596 1-12 CREDITS  
 Prereq: ADMISSION TO GRADUATE COLLEGE  
 Satisfactory-Fail Only.  
 7868005 1 ARRANGED  
 MEETS: MAY 18-AUG 7

CREATIVE COMPONENT VDPAM 599 VAR. CREDITS  
 Prereq: ENROLLMENT IN NONTHESIS MASTER'S DEGREE  
 PROGRAM  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

RESEARCH VDPAM 699 VAR. CREDITS  
 \*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

**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 2020  
 9213005 1 MTWRF 8:00-5:00

## VETERINARY CLINICAL SCIENCES (CONTINUED)

PRECEPTOR COMPANION V C S 419A 2- 6 CREDITS  
 Prereq: FOURTH-YEAR CLASSIFICATION IN VET MED,  
 PERMISSION OF DEPARTMENT CURRICULUM COMMITTEE  
 3695005 1 MTWRF 8:00-5:00  
 MEETS: MAY 18-AUG 7

PRACTICUM V C S 420 R CREDIT  
 Prereq: FOURTH-YEAR CLASSIFICATION IN VET MED,  
 PERMISSION OF INSTRUCTOR  
 Satisfactory-Fail Only.  
 4548005 1 ARRANGED

BLANK PK ZOO ROTATN V C S 422 4 CREDITS  
 Prereq: V C S 405, FOURTH-YEAR CLASSIFICATION IN  
 V MED, PERMISSION OF INSTRUCTOR  
 1166005 1 ARRANGED  
 Note: Permission of instructor required. Process  
 Approved add slip in 2270A Vet Med.

ZOO PRECEPTORSHIP V C S 423X 2-12 CREDITS  
 Prereq: FOURTH-YEAR CLASSIFICATION IN VETERINARY  
 MEDICINE. COMPLETION OF V C S 405 AND/OR V C S 406X,  
 OR PERMISSION OF INSTRUCTOR.  
 0383005 1 MTWRF 8:00-5:00

SM ANIML SHELTR MED V C S 437 2 CREDITS  
 Prereq: FOURTH-YEAR CLASSIFICATION IN VET MED  
 7944005 1 MTWRF 8:00-5:00

CANINE REHABILITATN V C S 441 2 CREDITS  
 Prereq: FOURTH-YEAR CLASSIFICATION IN VET MED  
 9232005 1 MTWRF 8:00-5:00

CLINICAL NEUROLOGY V C S 446 2 CREDITS  
 Prereq: 4TH-YEAR CLASSIFICATION IN VET MED  
 5112005 1 MTWRF 8:00-5:00

CLINICL DERMATOLOGY V C S 452 2 CREDITS  
 Prereq: FOURTH-YEAR CLASSIFICATION IN VETERINARY  
 MEDICINE. MUST HAVE INSTRUCTOR PERMISSION TO REPEAT  
 THIS COURSE.  
 Note: COURSE RESTRICTED TO 4TH YEAR VET MED STUDENTS  
 1931005 1 MTWRF 8:00-5:00

SMALL ANIMAL MED I V C S 453 2 CREDITS  
 Prereq: FOURTH-YEAR CLASSIFICATION IN VET MED  
 Note: COURSE RESTRICTED TO 4TH YEAR VET MED STUDENTS  
 6889005 1 MTWRF 8:00-5:00

SM AN SOFT TISS SUR V C S 455 2 CREDITS  
 Prereq: FOURTH-YEAR CLASSIFICATION IN V MED  
 Note: COURSE RESTRICTED TO 4TH YEAR VET MED STUDENTS  
 6891005 1 MTWRF 8:00-5:00

SM AN ORTHOPED SURG V C S 456 2 CREDITS  
 Prereq: FOURTH-YEAR CLASSIFICATION IN V MED  
 Note: COURSE RESTRICTED TO 4TH YEAR VET MED STUDENTS  
 6892005 1 MTWRF 8:00-5:00

EQUINE MEDICINE V C S 457 2 CREDITS  
 Prereq: FOURTH-YEAR CLASSIFICATION IN V MED  
 Note: COURSE RESTRICTED TO 4TH YEAR VET MED STUDENTS  
 6893005 1 MTWRF 8:00-5:00

EQUINE SURGERY V C S 458 2 CREDITS  
 Prereq: FOURTH-YEAR CLASSIFICATION IN V MED  
 Note: COURSE RESTRICTED TO 4TH YEAR VET MED STUDENTS  
 6894005 1 MTWRF 8:00-5:00

SM AN OVERPOP OMAHA V C S 459A 2 CREDITS  
 Prereq: FOURTH-YEAR CLASSIFICATION IN V MED  
 4050005 1 MTWRF 8:00-5:00

SM AN OVERPOP D.M. V C S 459B 2 CREDITS  
 Prereq: FOURTH-YEAR CLASSIFICATION IN V MED  
 4107010 1 MTWRF 8:00-5:00

SM AN OVERPOP K.C. V C S 459C 2 CREDITS  
 Prereq: FOURTH-YEAR CLASSIFICATION IN V MED  
 4313015 1 ARRANGED

SM AN OVERPOP BOULD V C S 459D 2 CREDITS  
 Prereq: FOURTH-YEAR CLASSIFICATION IN V MED  
 6542005 1 MTWRF 8:00-5:00

SM AN OVERPOP ASHVL V C S 459E 2 CREDITS  
 Prereq: FOURTH-YEAR CLASSIFICATION IN V MED  
 6640005 1 MTWRF 8:00-5:00

RADIOLOGY V C S 460 2 CREDITS  
 Prereq: FOURTH-YEAR CLASSIFICATION IN V MED  
 Note: COURSE RESTRICTED TO 4TH YEAR VET MED STUDENTS  
 6896005 1 MTWRF 8:00-5:00

PRIMARY CARE V C S 463 2 CREDITS  
 Prereq: FOURTH YEAR CLASSIFICATION IN VET MED  
 Note: COURSE RESTRICTED TO 4TH YEAR VET MED STUDENTS  
 2322005 1 MTWRF 8:00-5:00

## VETERINARY CLINICAL SCIENCES (CONTINUED)

EQUINE FIELD SERVIC V C S 464 2 CREDITS  
Prereq: FOURTH-YEAR CLASSIFICATION IN V MED  
Note: COURSE RESTRICTED TO 4TH YEAR VET MED STUDENTS  
4247005 1 MTWRF 8:00-5:00

FARRIER V C S 465 2 CREDITS  
Prereq: FOURTH-YEAR CLASSIFICATION IN VET MED  
Note: COURSE RESTRICTED TO 4TH YEAR VET MED STUDENTS  
7756005 1 MTWRF 8:00-5:00

VET ANESTHESIOLOGY V C S 466 2 CREDITS  
Prereq: FOURTH-YEAR CLASSIFICATION IN V MED  
Note: COURSE RESTRICTED TO 4TH YEAR VET MED STUDENTS  
6898005 1 MTWRF 8:00-5:00

INTENSIVE CARE V C S 468 4 CREDITS  
Prereq: FOURTH-YEAR CLASSIFICATION IN V MED  
Note: COURSE RESTRICTED TO 4TH YEAR VET MED STUDENTS  
6900005 1 ARRANGED

OPHTHALMOLOGY V C S 469 2 CREDITS  
Prereq: FOURTH-YEAR CLASSIFICATION IN V MED  
Note: COURSE RESTRICTED TO 4TH YEAR VET MED STUDENTS  
6901005 1 MTWRF 8:00-5:00

RADIOLOGY V C S 470 2 CREDITS  
Prereq: FOURTH-YEAR CLASSIFICATION IN V MED;  
COMPLETION OF V C S 460 RADIOLOGY IS REQUIRED;  
ENROLLMENT BY PERMISSION OF INSTRUCTOR  
Note: Permission of instructor required. Process  
approved add slip in 2270A Vet Med.  
6902005 1 MTWRF 8:00-5:00 MILES K

CMPARTV ANIM REPROD V C S 471C 2 CREDITS  
Prereq: FOURTH-YEAR CLASSIFICATION IN V MED  
Note: Permission of instructor required. Process  
approved add slip in 2270A Vet Med.  
3986005 1 ARRANGED SATHE S

EQUINE REPRODUCTION V C S 471E 2 CREDITS  
Prereq: FOURTH-YEAR CLASSIFICATION IN VET MED  
Note: Permission of instructor required. Process  
approved add slip in 2270A Vet Med.  
8598005 1 MTWRF 8:00-5:00 SATHE S

SML ANIM REPRODUCTN V C S 471S 2 CREDITS  
Note: Permission of instructor required. Process  
approved add slip in 2270A Vet Med.  
8613005 1 MTWRF 8:00-5:00

VET CARDIOLGY ROTAT V C S 475 2 CREDITS  
Prereq: FOURTH YEAR CLASSIFICATION IN V MED  
Note: Department permission required.  
9128005 1 MTWRF 8:00-5:00

EQUINE ANESTHESIOLOGY V C S 476E 2 CREDITS  
Prereq: FOURTH-YEAR CLASSIFICATION IN V MED  
Note: Permission of instructor required. Process  
approved add slip in 2270A Vet Med.  
7136005 1 ARRANGED KRAUS B

INTENSV&CRITCL CARE V C S 478 2 CREDITS  
Prereq: FOURTH-YEAR CLASSIFICATION IN V MED  
9816005 1 MTWRF 8:00-5:00

VET DENTST&ORAL SRG V C S 482 2 CREDITS  
Prereq: FOURTH-YEAR CLASSIFICATION IN V MED;  
COMPLETION OF PRIMARY CARE ROTATION OR FAMILIAR  
WITH THE PRIMARY CARE PROTOCOL; PROOF OF RABIES  
PROPHYLAXIS AND A PROTECTIVE TITER  
8729005 1 MTWRF 8:00-5:00  
MEETS: MAY 18-AUG 7

INDEPENDENT STUDY V C S 490 VAR. CREDITS  
Prereq: PERMISSION OF COURSE INSTRUCTOR-OF-RECORD  
AND SPONSORING V C S FACULTY MEMBER  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

INT'L PRECEPTORSHIP V C S 496 1-12 CREDITS  
Prereq: CLASSIFICATION IN VET MED. PERMISSION OF  
COURSE INSTRUCTOR-OF-RECORD AND SPONSORING V C S  
FACULTY  
Satisfactory-Fail Only.  
6094005 1 ARRANGED

SPL TOPICS MEDICINE V C S 590A 1- 3 CREDITS  
Prereq: PERMISSION OF INSTRUCTOR  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

SPCL TOPICS SURGERY V C S 590B 1- 3 CREDITS  
Prereq: PERMISSION OF INSTRUCTOR  
Note: Instructor permission required.  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

CREATIVE COMPONENT V C S 599 VAR. CREDITS  
Prereq: ENROLLMENT IN NONTHESIS MASTERS PROGRAM  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

## VETERINARY CLINICAL SCIENCES (CONTINUED)

RESEARCH MEDICINE V C S 699A VAR. CREDITS  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

RESEARCH: CARDIOLOGY V C S 699G VAR. CREDITS  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

**VETERINARY MICROBIOLOGY & PREV MED**

PUBLIC HEALTH LAB V MPM 486 2 CREDITS  
Prereq: FOURTH-YEAR CLASSIFICATION IN V MED  
6951005 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 2020  
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**

NECROPSY 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

CLIN VET PARASITOL V PTH 476X 1- 2 CREDITS  
Prereq: V PTH 376, 4TH YEAR CLASSIFICATION IN VET  
MED  
0567005 1 MTWRF 8:00-5:00  
Note: SECTION 1 OFFERED FOR 2 CREDITS SUMMER 2020

INDEPENDENT STUDY V PTH 490 VAR. CREDITS  
Prereq: PERMISSION OF INSTRUCTOR & DEPT CHAIR  
Note: Permission of instructor required. Process  
approved add slip in 2270A Vet Med.  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

DIAGN PARASITOL LAB V PTH 548 1- 3 CREDITS  
Prereq: 376 OR 576  
9668005 1 ARRANGED  
MEETS: MAY 18-AUG 7

CLIN PATHOLOGY LAB V PTH 549 1 CREDIT  
Prereq: 457, PERMISSION OF INSTRUCTOR  
Satisfactory-Fail Only.  
7037005 1 ARRANGED  
MEETS: MAY 18-AUG 7  
Note: Instructor permission required.

SURGICAL PATHOL LAB V PTH 550 1- 3 CREDITS  
Prereq: 570 OR 571, PERMISSION OF INSTRUCTOR  
Note: Instructor permission required.  
Satisfactory-Fail Only.  
7479005 1 ARRANGED  
MEETS: MAY 18-AUG 7

POSTMORT PATHOL LAB V PTH 551 1- 3 CREDITS  
Prereq: 542, PERMISSION OF INSTRUCTOR  
Note: Instructor permission required.  
Satisfactory-Fail Only.  
7038005 1 MTWRF 1:10-5:00  
S 10:00-11:50  
MEETS: MAY 18-AUG 7

SPL TOPC VET PATHOL V PTH 590A 1- 4 CREDITS  
Prereq: PERMISSION OF INSTRUCTOR  
Note: Instructor permission required.  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

SPL TOP VET PARASIT V PTH 590B 1- 4 CREDITS  
Prereq: PERMISSION OF INSTRUCTOR  
Note: Instructor permission required.  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

## VETERINARY PATHOLOGY (CONTINUED)

SP TOP VET CLIN PTH V PTH 590D 1- 4 CREDITS  
Prereq: PERMISSION OF INSTRUCTOR  
Note: Instructor permission required.  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

SPECIAL TOPICS V PTH 590E 1- 4 CREDITS  
Prereq: PERMISSION OF INSTRUCTOR  
Note: Instructor permission required.  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

CRTV CMP VET PATHOL V PTH 599A VAR. CREDITS  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

CRTV CMP VET PARASI V PTH 599B VAR. CREDITS  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

CRTV 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 18-AUG 7

DIAG INTERP V PARAS V PTH 606B R CREDIT  
Prereq: PERMISSION OF INSTRUCTOR  
Note: Instructor permission required.  
7030005 1 ARRANGED  
MEETS: MAY 18-AUG 7

DIAG INTERP VET TOX V PTH 606C R CREDIT  
Prereq: PERMISSION OF INSTRUCTOR  
Note: Instructor permission required.  
5787005 1 ARRANGED  
MEETS: MAY 18-AUG 7

DIAG INTERP CLINPTH V PTH 606D R CREDIT  
Prereq: PERMISSION OF INSTRUCTOR  
Note: Instructor permission required.  
9694005 1 ARRANGED  
MEETS: MAY 18-AUG 7

HISTOPATH LAB ANIML V PTH 679 2 CREDITS  
Prereq: V PTH 570 OR V PTH 571; PERMISSION OF INSTRUCTOR  
4513005 1 TR 9:00-11:50  
MEETS: MAY 18-JULY 10

VET PATHOLOGY RSRCH V PTH 699A VAR. CREDITS  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

VET PARASITOLGY RES V PTH 699B VAR. CREDITS  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

VET CLIN PATH RSRCH V PTH 699D VAR. CREDITS  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

**WOMEN'S AND GENDER STUDIES**

INTRO WOMN&GNDR STU WGS 201 3 CREDITS  
Note: Meets U.S. diversity reqmt  
7058610 XU ARRANGED  
MEETS: JUNE 15-AUG 7  
Note: Section XU is off campus  
Course delivery is WWW  
Delivery fee \$150.00

7058605 XV ARRANGED  
MEETS: JUNE 15-AUG 7  
Note: Section XV is off campus  
Course delivery is WWW  
Delivery fee \$150.00

7058600 XW ARRANGED  
MEETS: MAY 18-JULY 10  
Note: Section XW is off campus  
Course delivery is WWW  
Delivery fee \$150.00

GENDER & COMMUNICTN WGS 323 3 CREDITS  
Note: Meets U.S. diversity reqmt  
3533600 XW ARRANGED  
MEETS: MAY 18-JULY 10  
Note: Section XW is off campus  
Course delivery is WWW  
Delivery fee \$150.00

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

## WOMEN'S AND GENDER STUDIES (CONTINUED)

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 DIRECTOR  
Note: Department permission required 1st week.  
\*\*\*\*\* SEE DEPT FOR REFERENCE NUMBERS

**WORLD LANGUAGES AND CULTURES**

INTRO WORLD LANGUAG WLC 119 3 CREDITS  
Note: Meets international perspectives reqmt  
5865600 XW ARRANGED  
MEETS: MAY 18-JULY 10  
Note: COURSE FEE OF \$150  
Section XW is off campus  
Course delivery is WWW