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.
University Calendar Summer 2020

May 17, Sun. • Last day to cancel registration for full-12 week summer courses to avoid tuition assessment.

May 18, Mon. • Class work begins, Session I courses.
• Fee payment deadline for summer semester. First payment (minimum due) or payment in full.

May 22, Fri. • Last day to add a Session I course without instructor's signature.
• Last day to process adds or section changes for a Session I course through AccessPlus registration.
• Last day to process most schedule changes without a fee; or to add/ drop a Session I course without signatures of instructor and adviser.
• Last day to drop a Session I course without the drop appearing on the permanent record or counting toward the limit of dropped courses.
• Last day to drop a Session I course through AccessPlus registration.
• Last day to change a Session I course from Pass/Not Pass to grade. Courses changed to graded basis after June 1 count toward the total allowable P/NP credits used for graduation.

June 20, Sat. • Last day to elect to audit a course for Summer Session II. The instructor of the course must approve an audit.

June 20, Sat. • Last day to change a Session II course from audit to credit basis.

June 20, Sat. • Last day to add/drop a course or withdraw without extenuating circumstances (Session I courses).

July 3, Wed. • 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.
• Fee payment deadline for summer. Second payment (minimum due).

July 3, Wed. • Fee payment deadline for summer. Second payment (minimum due).

July 3, Wed. • 4 p.m., Preliminary room assignments for Fall 2020, with changes, due back to Room Scheduling from departments.

July 10, Fri. • University holiday—offices closed, classes recessed.

July 17, Fri. • Summer Session I ends.

July 17, Fri. • Graduate College: last day for final oral examinations.

July 17, Fri. • Last day to add/drop a course or withdraw without extenuating circumstances (Session II courses).

July 17, Fri. • Last day to change a Session II course to from Pass/Not Pass to grade. Courses changed to graded basis after June 19 count toward the total allowable P/NP credits used for graduation.

July 20, Mon. • Last day to file a Designation of Repeated Course form for a summer course that is not an automatic designated repeat.

July 20, Mon. • Last day to elect to audit a course for Summer Session II. The instructor of the course must approve an audit.

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July 20, Mon. • Last day to change a Session II course from audit to credit basis.

July 20, Mon. • Last day to add/drop a course or withdraw without extenuating circumstances (Session I courses).

July 20, Mon. • 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.

July 20, Mon. • Last day to file a Designation of Repeated Course form for a summer course that is not an automatic designated repeat.
Resources

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

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

Office of the Registrar  www.iastate.edu/~registrar/
Verification  .......................................................... 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
Registar .......................................................... 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
Veterens Services Center .......................................................... 3578 Memorial Union .......................................................... 294-9801

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

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

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

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

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

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. 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.
International Students

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

Academically Dismissed

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

Approving Reentry

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

How to Register

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

Returning Students

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

Academically Dismissed

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

Graduate Students

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

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

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

To register, follow these steps:

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

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

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

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

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

Initiating Registration

The last day to initiate a new registration for through AccessPlus registration or the Scheduling & Fees Office in 10 Enrollment Services Center for Summer 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 your are not eligible,” click on the Details button on the Search page to view course section restrictions.
- If you are in a learning community, you must add the learning community reference number first before other courses exist on your schedule. You cannot drop a LTM without dropping all associated courses.
Schedule of Classes

http://classes.iastate.edu/

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

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

Schedule Planner

http://planner.iastate.edu/

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

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

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

AccessPlus

https://accessplus.iastate.edu/

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

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

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

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

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

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

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

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

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

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

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

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

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

Validating Enrollment
To validate their enrollment in each course at the beginning of the semester, students must attend the first or second meeting (first meeting if the class meets only once a week). Students who add a course after the term begins must attend the next class meeting. The instructor has the option to offer a registered place in the course to another student when a registered student fails to attend and has not obtained prior approval of the instructor. Students who do not validate their enrollment must drop the course or they will receive an F grade.
Tuition & fees are subject to change without notice. For the most current tuition & fee rates visit www.registrar.iastate.edu/fees/

- Interim (partial-semester, between-terms), audit (zero-credit), and in absentia (research, away from campus study) courses are assessed fees as listed in the current fee schedule.
- One-half credits are assessed at the next larger whole number; e.g. 3.5 credits are assessed at 4 credits.
- R-credit (required credit) coursework is assessed minimum tuition and fees equal to the 2-credit rate when it is the only course in which a student is registered. No tuition and fees will be assessed to a R-credit course when a student is enrolled in other credits in the same term or if the R-credit course is a co-op, internship or other practical experience.
- Zero credit course is assessed based on contact hours with a maximum assessment of 3 credits.

Additional information:

Audits and zero credit courses: assessed according to contact hours; maximum charge for zero credit courses is three credit hours
Partial credits (.5): assessed on the next larger whole number of credits, e.g., 6.5 credits is assessed as 7 credits.
Summer session: based on per credit as indicated in the fee schedule.
Tuition assessment for study abroad credits: up to a maximum of 12 credits, is above and beyond tuition for other courses taken during the same term.
Tuition and Fees

Tuition and fees are subject to change without notice.

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

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

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

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

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:

<table>
<thead>
<tr>
<th>Withdrawal Date</th>
<th>Student Pays</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Full Summer term</strong></td>
<td></td>
</tr>
<tr>
<td>May 21</td>
<td>10%</td>
</tr>
<tr>
<td>May 27</td>
<td>25%</td>
</tr>
<tr>
<td>June 2</td>
<td>50%</td>
</tr>
<tr>
<td>June 8</td>
<td>75%</td>
</tr>
<tr>
<td>After June 8</td>
<td>100%</td>
</tr>
<tr>
<td><strong>Summer Session I</strong></td>
<td></td>
</tr>
<tr>
<td>May 20</td>
<td>10%</td>
</tr>
<tr>
<td>May 22</td>
<td>25%</td>
</tr>
<tr>
<td>May 27</td>
<td>50%</td>
</tr>
<tr>
<td>May 29</td>
<td>75%</td>
</tr>
<tr>
<td>After May 26</td>
<td>100%</td>
</tr>
<tr>
<td><strong>Summer Session II</strong></td>
<td></td>
</tr>
<tr>
<td>June 19</td>
<td>10%</td>
</tr>
<tr>
<td>June 17</td>
<td>25%</td>
</tr>
<tr>
<td>June 24</td>
<td>50%</td>
</tr>
<tr>
<td>June 26</td>
<td>75%</td>
</tr>
<tr>
<td>After June 26</td>
<td>100%</td>
</tr>
</tbody>
</table>

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

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

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.

Glossary of Fees
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.

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

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

• An “Application for Graduation” (diploma slip) should be obtained from the students 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 students department and submitted to the Graduate College at least three weeks before the final oral examination.

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


• 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 incompleted 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:

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

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

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

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

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

Students planning to receive Veterans Educational Assistance must provide enrollment information to the V.A. clerks in the Office of the Registrar, 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.

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

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

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

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

ISU ALERT

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

Third Party Access

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

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

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

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

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

Child care programs located on campus include:

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

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

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

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

For services such as the Lied Recreation Center, CyCash, or Parks Library, students may apply for the Spouse/Domestic Partner card. Both the student and spouse/domestic partner must bring a photo ID and proof of marriage or relationship (marriage certificate, joint insurance cards or joint tax returns) to 0530 Beardshear. The cost is $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. Undergraduate students need approval from the instructor as well as their adviser, and college; graduate students need approval from the instructor as well as their major professor and the Graduate College.

Audit Deadlines

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

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

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

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

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

Canceled Courses

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

Class Attendance

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

Courses Requiring Permission

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

Course Descriptions

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

Credit Involving a Paid Activity

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

Credits Limits

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

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

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

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

**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 Center. Check the university calendar for deadlines pertaining to Pass-Not Pass changes. For more information, refer to http://catalog.iastate.edu/ under Academic Life

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

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

**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.
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Registration Worksheet

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Please provide your university ID

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

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

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

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

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

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

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

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

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<th>Reference #</th>
<th>Department</th>
<th>Course</th>
<th>Section</th>
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**Notes**

Adviser Signature: ___________________________________________________________ Date Approved: ___________________________
**ACCOUNTING**

LEGAL ENVIRONMT BUS ACCT 215 3 CREDITS  
Prereq: SOFO CLASSIFICATION  
Note: COURSE RESTRICTED TO SOFOMEN 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 MWF 12:10-2:10  
MEETS: MAY 18-JUNE 12  
Note: SECTION A1 RESTRICTED TO ACCT UNDERGRAD MAJORS  
1117010 A2 MWF 12:10-2:10  
MEETS: MAY 18-JUNE 12  
Note: SECTION A2 RESTRICTED TO ACCT UNDERGRAD MAJORS ONLY

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

INDEPENDENT STUDY ACCT 490 1-3 CREDITS  
Prereq: ACCT 385, SEFOR CLASSIFICATION, PERMISSION OF INSTRUCTOR  
Note: Department permission required.  
******* SEE DEPT FOR REFERENCE NUMBERS

INTRO TO AUDITING ACCT 497 3 CREDITS  
Prereq: ACCT 384, ACCT 385 AND STAT 326  
Graduate students go to 1200 GERDIN FOR PERMISSION TO ADD.

1126005 1 MTWR 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: PERMISSION TO THE MATTER OF ACCT PROGRAM  
******* SEE DEPT FOR REFERENCE NUMBERS

**ADVERTISING**

STRATEG PLAN ADAP R ADVRT 301 3 CREDITS  
Prereq: ADVRT 230 OR P R 220  
4439600 XW ARRANGED  
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 ADVISOR APPROVAL; ADVRT MAJORS: C+ OR BETTER IN JL MC 302 OR JL MC 306  
P R MAJORS: C+ OR BETTER IN P R 311  
Note: NO MORE THAN 6 CREDITS OF 499, 499A AND 499B FROM THE GREENLEE SCHOOL MAY BE APPLIED TOWARDS 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 ADVISOR APPROVAL; ADVRT MAJORS: C+ OR BETTER IN JL MC 201 AND ADVRT 301  
P R MAJORS: C+ OR BETTER IN 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 TOWARDS 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: SOFHMORE CLASSIFICATION, DEPT APPROVAL  
******* SEE DEPT FOR REFERENCE NUMBERS

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

INDEPENDENT STUDY AER E 290C 1-2 CREDITS  
Prereq: SOFOMORE 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 STU PROPULSION AER E 490B 1-6 CREDITS  
Prereq: JR/SR CLASSIFICATION, DEPARTMENT APPROVAL  
******* SEE DEPT FOR REFERENCE NUMBERS

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

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

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

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

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

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

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

INDEPENDENT STUDY AER E 490O 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

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

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

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

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

SPL TOP AER DYNAMCS AER E 590A 1-5 CREDITS  
Prereq: JR/SR CLASSIFICATION, DEPARTMENT APPROVAL  
******* SEE DEPT FOR REFERENCE NUMBERS

SPL TOP ULTRALIGHT AER E 590B 1-5 CREDITS  
Prereq: JR/SR CLASSIFICATION, DEPARTMENT APPROVAL  
******* SEE DEPT FOR REFERENCE NUMBERS

SPL TOP AEROS STRUC AER E 590C 1-5 CREDITS  
Prereq: JR/SR CLASSIFICATION, DEPARTMENT APPROVAL  
******* SEE DEPT FOR REFERENCE NUMBERS

SPL TOP FLIGHT DYN AER E 590D 1-5 CREDITS  
Prereq: JR/SR CLASSIFICATION, DEPARTMENT APPROVAL  
******* SEE DEPT FOR REFERENCE NUMBERS

SPL TOP SPACECR SYS AER E 590E 1-5 CREDITS  
Prereq: JR/SR CLASSIFICATION, DEPARTMENT APPROVAL  
******* SEE DEPT FOR REFERENCE NUMBERS

SPL TOP FLIGHT CONT AER E 590F 1-5 CREDITS  
Prereq: JR/SR CLASSIFICATION, DEPARTMENT APPROVAL  
******* SEE DEPT FOR REFERENCE NUMBERS
AEROSPACE ENGINEERING (CONTINUED)

SPL TOP VISCOUS AER AER E 590H 1-5 CREDITS
SPECIL TOPICS DESIGN AER E 590I 1-5 CREDITS
SPL TOP COMP AERODY AER E 590J 1-5 CREDITS
SPL TOP OPTIMIZATION AER E 590K 1-5 CREDITS
SPL TOP NONDESTR EV AER E 590M 1-5 CREDITS
SPL TOP WIND ENGR AER E 590N 1-5 CREDITS
CREATIVE COMPONENT AER E 599 1-5 CREDITS
ADV TOP AER DYNAMICS AER E 690A 1-5 CREDITS
ADV TOPC PROPULSION AER E 690B 1-5 CREDITS
ADV TOP AEROS STRUC AER E 690C 1-5 CREDITS
ADV TOP FLIGHT DYN AER E 690D 1-5 CREDITS
ADV TOP SPACECR SYS AER E 690E 1-5 CREDITS
ADV TOP FLIGHT CTRL AER E 690F 1-5 CREDITS
ADV TOP VISCOUS AER AER E 690G 1-5 CREDITS
ADV TOP COMP AERODY AER E 690H 1-5 CREDITS
ADV TOP NONDESTR EV AER E 690I 1-5 CREDITS
ADV TOP WIND ENGR AER E 690J 1-5 CREDITS
ENGINEERING INTERNSHIP AER E 697 R CREDIT
ADVANCED TOPICS AER E 690 1-5 CREDITS

AGRICULTURAL AND BIOSYSTEMS ENGINEERING

IND ST:ENVIR BIOPRC A B E 490E 1-5 CREDITS
INDEPENDENT STUDY HONORS A B E 490H 1-5 CREDITS
IND STU ADV MACH SY A B E 490M 1-5 CREDITS
STUDY ABROAD A B E 496 1-4 CREDITS
ADVANCED TOPICS A B E 690 1-5 CREDITS
ENGINEERING INTERNSHIP A B E 697 R CREDIT
AGRICULTURAL AND BIOSYSTEMS ENGINEERING (CONTINUED)

FIELD EXP H.S. AGRI AGEDS 211A 1 CREDIT
FIELD EXP AG INDUST AGEDS 211C 1 CREDIT
PRESENT IN STRATEGIES AGEDS 311 3 CREDITS
AG MECHAN APPLCATNS AGEDS 388 3 CREDITS
ENGINEERING INTERNSHIP A B E 697 R CREDIT
ADVANCED TOPICS A B E 690 1-5 CREDITS
ENGINEERING INTERNSHIP A B E 697 R CREDIT
ADVANCED TOPICS A B E 690 1-5 CREDITS

AFRICAN AND AFRICAN AMERICAN STUDIES

ETHNIC&RA CE RELATNS AF AM 330 3 CREDITS
SEMINAR IN AFRICAN AMERICAN CULTURE AF AM 460 3 CREDITS
INDEPENDENT STUDY AF AM 490 1-3 CREDITS
INDEPENDENT STUDY AF AM 490 1-3 CREDITS

AGRICULTURAL EDUCATION & STUDIES

FIELD EXP H.S. AGRI AGEDS 211A 1 CREDIT
FIELD EXP AG INDUST AGEDS 211C 1 CREDIT
PRESENT IN STRATEGIES AGEDS 311 3 CREDITS
AG MECHAN APPLCATNS AGEDS 388 3 CREDITS
INDEPENDENT STUDY AF AM 490 1-3 CREDITS
INDEPENDENT STUDY AF AM 490 1-3 CREDITS

AGRICULTURAL AND BIOSYSTEMS ENGINEERING

SUMMER INTERNSHIP A B E 396 R CREDIT
IND ST:BIORNW RSRC A B E 490B 1-5 CREDITS

AGRICULTURAL EDUCATION & STUDIES

FIELD EXP H.S. AGRI AGEDS 211A 1 CREDIT
FIELD EXP AG INDUST AGEDS 211C 1 CREDIT
PRESENT IN STRATEGIES AGEDS 311 3 CREDITS
AG MECHAN APPLCATNS AGEDS 388 3 CREDITS
INDEPENDENT STUDY AF AM 490 1-3 CREDITS
INDEPENDENT STUDY AF AM 490 1-3 CREDITS

AGRICULTURAL AND BIOSYSTEMS ENGINEERING

IND ST:ENVIR BIOPRC A B E 490E 1-5 CREDITS
INDEPENDENT STUDY HONORS A B E 490H 1-5 CREDITS
IND STU ADV MACH SY A B E 490M 1-5 CREDITS
STUDY ABROAD A B E 496 1-4 CREDITS
ADVANCED TOPICS A B E 690 1-5 CREDITS
ENGINEERING INTERNSHIP A B E 697 R CREDIT
ADVANCED TOPICS A B E 690 1-5 CREDITS
AGRICULTURAL EDUCATION & STUDIES (CONTINUED)

FARM MGMT & OPERATION AGEDS 450 3 CREDITS
Prereq: ECON 235, ECON 236, 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 LIBR, 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 STUDY ENVIRONMENT 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

INDEPENDENT STUDY HONORS 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

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

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

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

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

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

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

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

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

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

AGRICULTURAL EDUCATION & STUDIES (CONTINUED)

COOPERATIVE EDUCATION AGEDS 490 VAR. CREDITS
Prereq: 12 CREDITS IN AGRICULTURAL EDUCATION
******* SEE DEPT FOR REFERENCE NUMBERS

AGRONOMY

INTRO WEATHER & CLIMATE AGRON 206 3 CREDITS
1397600 1 ARRANGED
MEETS: MAY 18-JULY 10
Note: Section XM is off campus
Course delivery is W.W.W.
Delivery fee $150.00

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

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

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

INDEPENDENT STUDY HONORS AGRON 490J 1-3 CREDITS
Prereq: JR/SR CLASSIFICATION, INSTR PERMISSION
Note: RESTRICTED TO HONORS PROGRAM STUDENTS ONLY.
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

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 EDUCATION AGRON 498 R CREDIT
Prereq: PERMISSION OF FACULTY MEMBER OR STUDENT'S ADVISER; JUNIOR CLASSIFICATION
Satisfactory-Fail Only.
1411005 1 ARRANGED
MEETS: MAY 18-AUG 7

AGRICULTURAL EDUCATION & STUDIES (CONTINUED)

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

AGRONOMY

INTRO WEATHER & CLIMATE AGRON 206 3 CREDITS
1397600 1 ARRANGED
MEETS: MAY 18-JULY 10
Note: Section XM is off campus
Course delivery is W.W.W.
Delivery fee $150.00

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

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

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

INDEPENDENT STUDY HONORS AGRON 490J 1-3 CREDITS
Prereq: JR/SR CLASSIFICATION, INSTR PERMISSION
Note: RESTRICTED TO HONORS PROGRAM STUDENTS ONLY.
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

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 EDUCATION AGRON 498 R CREDIT
Prereq: PERMISSION OF FACULTY MEMBER OR STUDENT'S ADVISER; JUNIOR CLASSIFICATION
Satisfactory-Fail Only.
1411005 1 ARRANGED
MEETS: MAY 18-AUG 7

SPECIAL TOPICS AGRON 590 VAR. CREDITS
Prereq: 15 CREDITS IN AGRICULTURAL EDUCATION
******* SEE DEPT FOR REFERENCE NUMBERS
AMERICAN SIGN LANGUAGE
AMERICAN SIGN LANGUAGE I ASL 101 4 CREDITS
Note: Meets U.S. diversity reqmt
9364005 1 MTWR 9:40-11:10
MEETS: MAY 18-JUNE 12

ANIMAL ECOLOGY
ECOLOGY A ECL 312 4 CREDITS
Prereq: BIDL 211L AND BIDL 212L
1061005 1 MTWR 9:50-11:10
MEETS: MAY 18-JUNE 10
Note: Materials, travel fee $60.00
1061010 2 MTWR 9:50-11:10
TR 12:10-1:30
MEETS: MAY 18-JUNE 10
Note: Materials, 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
******* 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 317B MAY BE APPLIED TOWARD GRADUATION
9194005 1 ARRANGED
MEETS: JUNE 16-AUG 7

ANIM SCI INTERNSHIP AN S 399A 2-6 CREDITS
Prereq: PERMISSION OF THE INSTRUCTOR
Note: NO MORE THAN 4 CREDITS OF AN S 317B MAY BE APPLIED TOWARD GRADUATION
1538005 1 ARRANGED
MEETS: MAY 18-JUNE 10

SUPERV'D INTERNSHIP AN S 399B R CREDIT
Prereq: PERMISSION OF INTERNSHIP COORDINATOR
Field trips & travel fee $500.00-$1,000.00

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

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

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

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

IND STU POULTRY SCI AN S 490G 1-3 CREDITS
Prereq: PERMISSION OF THE INSTRUCTOR
Note: NO MORE THAN 6 CREDITS OF AN S 490G MAY BE APPLIED TOWARD THE TOTAL CREDITS REQUIRED FOR GRADUATION
******* 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
### Animal Science (Continued)

**INDEPENDENT STUDY HONORS**  
*AN S 490H*  
1-3 CREDITS  
Pre-req: 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 490H MAY BE APPLIED TOWARD THE TOTAL CREDITS REQUIRED FOR GRADUATION.  

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**AG DOMESTIC TRAVEL**  
*AN S 496B*  
VAR. CREDITS  
Pre-req: INSTRUCTOR PERMISSION, 30 COLLEGE CREDITS  
Note: Department permission required.  
MEETS: MAY 18-AUG 7  
Note: SEC 1 TRAVEL TO ME, CO., WT., MT. OFFERED FOR 2 CREDITS SUMMER 2020.

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**TEACHING EXPERIENCE**  
*AN S 497*  
1-2 CREDITS  
Pre-req: PERMISSION OF INSTRUCTOR  
Instructor permission required 1st week.  
Note: COURSE RESTRICTED TO HONORS PROGRAM STUDENTS ONLY. NO MORE THAN 9 CREDITS OF ANTHR 490 MAY BE APPLIED TOWARD GRADUATION  
APPLIED TOWARD THE TOTAL CREDITS REQUIRED FOR THE MAJOR OR FOR THE ANTHR MINOR. NO CREDIT IN ANTHR 434 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.  
Note: NO MORE THAN 6 CREDITS OF ANTHR 490 MAY BE APPLIED TOWARD THE TOTAL CREDITS REQUIRED FOR THE MAJOR OR FOR THE ANTHR MINOR. NO CREDIT IN ANTHR 434 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.  
Note: NO MORE THAN 6 CREDITS OF ANTHR 490 MAY BE APPLIED TOWARD THE TOTAL CREDITS REQUIRED FOR THE MAJOR OR FOR THE ANTHR MINOR. NO CREDIT IN ANTHR 434 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.  
Note: NO MORE THAN 6 CREDITS OF ANTHR 490 MAY BE APPLIED TOWARD THE TOTAL CREDITS REQUIRED FOR THE MAJOR OR FOR THE ANTHR MINOR. NO CREDIT IN ANTHR 434 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.  
Note: NO MORE THAN 6 CREDITS OF ANTHR 490 MAY BE APPLIED TOWARD THE TOTAL CREDITS REQUIRED FOR THE MAJOR OR FOR THE ANTHR MINOR. NO CREDIT IN ANTHR 434 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.  
Note: NO MORE THAN 6 CREDITS OF ANTHR 490 MAY BE APPLIED TOWARD THE TOTAL CREDITS REQUIRED FOR THE MAJOR OR FOR THE ANTHR MINOR. NO CREDIT IN ANTHR 434 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.  
Note: NO MORE THAN 6 CREDITS OF ANTHR 490 MAY BE APPLIED TOWARD THE TOTAL CREDITS REQUIRED FOR THE MAJOR OR FOR THE ANTHR MINOR. NO CREDIT IN ANTHR 434 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.  
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Note: NO MORE THAN 6 CREDITS OF ANTHR 490 MAY BE APPLIED TOWARD THE TOTAL CREDITS REQUIRED FOR THE MAJOR OR FOR THE ANTHR MINOR. NO CREDIT IN ANTHR 434 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.  
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Note: NO MORE THAN 6 CREDITS OF ANTHR 490 MAY BE APPLIED TOWARD THE TOTAL CREDITS REQUIRED FOR THE MAJOR OR FOR THE ANTHR MINOR. NO CREDIT IN ANTHR 434 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.  
Note: NO MORE THAN 6 CREDITS OF ANTHR 490 MAY BE APPLIED TOWARD THE TOTAL CREDITS REQUIRED FOR THE MAJOR OR FOR THE ANTHR MINOR. NO CREDIT IN ANTHR 434 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.  
Note: NO MORE THAN 6 CREDITS OF ANTHR 490 MAY BE APPLIED TOWARD THE TOTAL CREDITS REQUIRED FOR THE MAJOR OR FOR THE ANTHR MINOR. NO CREDIT IN ANTHR 434 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.
APPAREL, EVENTS & HOSPITALITY MGMT (CONTINUED)

SUP WK R EXP II:APPA AESHM 270N 1-2 CREDITS
Prereq: MINIMUM 2.0 GPA; ADVISER PERMISSION REQUIRED; STUDENT PROGRAM REQUIRED.
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 GMGT HUMAN SCI AESHM 287 3 CREDITS
4608005 1 ARRANGED
MEETS: JUNE 9-JUNE 15-AUG 7
Note: Course delivery is WWW

AESHMCS CNMRS CPC AESHM 342 3 CREDITS
Prereq: SOPHOMORE CLASSIFICATION
Note: Meets U.S. diversity reqmt
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 I 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: Instructor permission required.
8774000 TW MEETS: MAY 23-JUNE 1
Note: SEC TW TAUGHT IN TAIWAN. TOPIC: RESEARCH ABBROAD IN ASIA: TAIWAN. STUDY ABBROAD 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 AESHM AND/OR HSP M; SOPHOMORE CLASSIFICATION; MINIMUM 2.0 GPA; PERMISSION BY APPLICATION
Note: Instructor permission required.
1671500 IT MEETS: MAY 13-25
Note: SEC IT TAUGHT IN ITALY. TOPIC: INTERNATIONAL FIELD STUDY: APPAREL, MERCHANDISING & DESIGN ABBROAD SUMMER 2020. OFFERED FOR 2 CREDITS
Study Abroad Administrative Fee Applies

COOPERATIVE EDUCATN AESHM 398 R CREDIT
Prereq: PERMISSION OF ADVISER; JR CLASSIFICATION
1002020 D ARRANGED
MEETS: MAY 18-AUG 7
Note: SECTION D IS FOR HSP M MAJORS ONLY
1002030 F ARRANGED
MEETS: MAY 18-AUG 7
Note: SECTION F IS FOR EVENT MAJORS ONLY
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/LLOCATION SHOULD BE DIFFERENT THAN EMPLOYER/LLOCATION 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
Instructor permission required.
1125005 1 ARRANGED
MEETS: MAY 18-AUG 7

INTERNSHP 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/LLOCATION SHOULD BE DIFFERENT THAN EMPLOYER/LLOCATION 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
Instructor permission required.
1132005 1 ARRANGED
MEETS: MAY 18-AUG 7

INTERNSHP EVENT MGT AESHM 470N 3-6 CREDITS
Prereq: AESHM 311, EVENT 271, EMPLOYER/LLOCATION SHOULD BE DIFFERENT THAN EMPLOYER/LLOCATION 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
Instructor permission required.
1132005 1 ARRANGED
MEETS: MAY 18-AUG 7

INTERNSHP 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/LLOCATION SHOULD BE DIFFERENT THAN EMPLOYER/LLOCATION 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
Instructor permission required.
1132005 1 ARRANGED
MEETS: MAY 18-AUG 7

APPAREL, EVENTS & HOSPITALITY MGMT (CONTINUED)
APPAREL, EVENTS & HOSPITALITY MGMT (CONTINUED)

INDEP STUDY: HONORS A ESMH 490H 2-4 CREDITS
Prereq: PERMISSION OF INSTRUCTOR
Note: Instructor permission required.
***** SEE DEPT FOR REFERENCE NUMBERS

PRACTCM APPAR MCHDS A ESHM 570A 1-3 CREDITS
Prereq: 9 CREDITS IN A M D AND/or AESHM
Note: Meets international perspectives reqmt
5768005 1 ARRANGED
MEETS: MAY 18-AUG 7

PRACTCM HPSTLTY MGT A ESHM 570B 1-3 CREDITS
Prereq: 6 CREDITS IN A M D AND/or AESHM
Note: Meets international perspectives reqmt
5768005 1 ARRANGED
MEETS: MAY 18-AUG 7

APPAREL, MERCHANDISING, AND DESIGN (CONTINUED)

IND ST ENTEPRENEUR 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

IND STU: PROD DEVELOPMENT A ESMH 490J 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

INDEPENDENT STUDY A ESMH 490 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

APPAREL, DINING & ENTERTAINMENT (CONTINUED)

DRESS&DIVRSTY SOCIE A M D 165 3 CREDITS
Prereq: MEETS U.S. diversity reqmt
6603005 1 ARRANGED
MEETS: MAY 18-JUNE 12
Note: Course delivery is VWW

CULTUR PERSFC 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
6642005 1 ARRANGED
MEETS: JULY 13-AUG 7
Note: Course delivery is VWW

APPAR,MCHDS WRKSHIP 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
1363005 1 ARRANGED
MEETS: MAY 18-JULY 10
IND STU: TECH VP DSS 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 6 CREDITS IN A M D 490C MAY BE
APPLIED TOWARD GRADUATION
Instructor permission required.
MATERIALS fee $25.00-$50.00
***** SEE DEPT FOR REFERENCE NUMBERS

ARABIC

INDEPENDENT STUDY ARABC 490 1-6 CREDITS
Prereq: 6 CREDITS IN ARABC, PERMISSION OF THE
INSTRUCTOR, ADVISER AND DEPARTMENT CHAIR
Note: NO MORE THAN 6 CREDITS IN ARABC 490 MAY BE
APPLIED TOWARD GRADUATION
Instructor permission required.
***** SEE DEPT FOR REFERENCE NUMBERS
**ARCHITECTURE**

IND STU DEGREE COMM ARCH 490A 1-9 CREDITS  
**Prereq: Department approval.**  
**Satisfactory-Fail Only.**  
**SEE DEPT FOR REFERENCE NUMBERS**

INDEP STUDY DESIGN ARCH 490B 1-9 CREDITS  
**Prereq: Department approval.**  
**Satisfactory-Fail Only.**  
**SEE DEPT FOR REFERENCE NUMBERS**

IND STU TECHN SYST ARCH 490C 1-9 CREDITS  
**Prereq: Department approval.**  
**Satisfactory-Fail Only.**  
**SEE DEPT FOR REFERENCE NUMBERS**

IND STU ARCH HIST ARCH 490D 1-9 CREDITS  
**Prereq: Department approval.**  
**Satisfactory-Fail Only.**  
**SEE DEPT FOR REFERENCE NUMBERS**

IND STU BEHAV STD ARCH 490E 1-9 CREDITS  
**Prereq: Department approval.**  
**Satisfactory-Fail Only.**  
**SEE DEPT FOR REFERENCE NUMBERS**

INDEP STUDY PRACTICE ARCH 490F 1-9 CREDITS  
**Prereq: Department approval.**  
**Satisfactory-Fail Only.**  
**SEE DEPT FOR REFERENCE NUMBERS**

INDEP STUDY HONORS ARCH 490H 1-9 CREDITS  
**Prereq: Department approval.**  
**Satisfactory-Fail Only.**  
**SEE DEPT FOR REFERENCE NUMBERS**

INDEPENDENT STUDY ARCH 490I 1-9 CREDITS  
**Prereq: Department approval.**  
**Satisfactory-Fail Only.**  
**SEE DEPT FOR REFERENCE NUMBERS**

INDEP STUDY ARCH HONORS ARCH 490J 1-9 CREDITS  
**Prereq: Department approval.**  
**Satisfactory-Fail Only.**  
**SEE DEPT FOR REFERENCE NUMBERS**

INDEP STDY DESIGN ARCH 490K 1-9 CREDITS  
**Prereq: Department approval.**  
**Satisfactory-Fail Only.**  
**SEE DEPT FOR REFERENCE NUMBERS**

INDEPENDENT STUDY ARCH 490L 1-9 CREDITS  
**Prereq: Department approval.**  
**Satisfactory-Fail Only.**  
**SEE DEPT FOR REFERENCE NUMBERS**

ARCHITECTURE HIST Arch 490M 1-9 CREDITS  
**Prereq: Department approval.**  
**Satisfactory-Fail Only.**  
**SEE DEPT FOR REFERENCE NUMBERS**

ARCHITECTURE TECHN SYST Arch 490N 1-9 CREDITS  
**Prereq: Department approval.**  
**Satisfactory-Fail Only.**  
**SEE DEPT FOR REFERENCE NUMBERS**

ARCHITECTURE PRACTICE Arch 490O 1-9 CREDITS  
**Prereq: Department approval.**  
**Satisfactory-Fail Only.**  
**SEE DEPT FOR REFERENCE NUMBERS**

ARCHITECTURE HONORS Arch 490P 1-9 CREDITS  
**Prereq: Department approval.**  
**Satisfactory-Fail Only.**  
**SEE DEPT FOR REFERENCE NUMBERS**

ARCHITECTURE PRACTICE Arch 490Q 1-9 CREDITS  
**Prereq: Department approval.**  
**Satisfactory-Fail Only.**  
**SEE DEPT FOR REFERENCE NUMBERS**

ARCHITECTURE TECHN SYST Arch 490R 1-9 CREDITS  
**Prereq: Department approval.**  
**Satisfactory-Fail Only.**  
**SEE DEPT FOR REFERENCE NUMBERS**

ARCHITECTURE PRACTICE Arch 490S 1-9 CREDITS  
**Prereq: Department approval.**  
**Satisfactory-Fail Only.**  
**SEE DEPT FOR REFERENCE NUMBERS**

ARCHITECTURE HONORS Arch 490T 1-9 CREDITS  
**Prereq: Department approval.**  
**Satisfactory-Fail Only.**  
**SEE DEPT FOR REFERENCE NUMBERS**

**ASTRONOMY & ASTROPHYSICS**

NORTH STAR ASTRONOMY ASTRO 102 1 CREDIT  
**Note: Students may apply credit for only one of ASTRO 102 or 103 toward graduation.**

SKY & SOLAR SYSTEM ASTRO 120 3 CREDITS  
**Note: Students may apply credit for only one of ASTRO 120 or 121 toward graduation.**

RESEARCH 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: Permission of instructor.**  
**SEE DEPT FOR REFERENCE NUMBERS**

UNDERGRAD RESEARCH ASTRO 490 1-4 CREDITS  
**Prereq: Permission of instructor.**  
**SEE DEPT FOR REFERENCE NUMBERS**

ASTRO 490 1-4 CREDITS  
**Prereq: Permission of instructor.**  
**SEE DEPT FOR REFERENCE NUMBERS**

SPECIAL TOPICS ASTRO 590 1-3 CREDITS  
**Note: No more than 3 credits of ASTRO 490 may be applied toward graduation.**  
**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 STU ABROAD A TR 549B 2 CREDITS  
**Prereq: Accepted to study abroad by the A TR Program director and passing A TR 549AX.**

STUDY ABROAD OFFERED FOR 3 CREDIT SUMMER 2020  
**Note: 3rd year or above, GPA 3.0, science proficiency.**

STUDY ABROAD SUMMER 2020, OFFERED FOR 2 CREDITS  
**Note: 3rd year or above, GPA 3.0, science proficiency.**

**BIOCHEM, BIOPHYSICS & MOLECULAR BIO**

SURVEY OF BIOCHEM BBMB 301 3 CREDITS  
**Note: AGRO, BIOPHYSICS 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.**

**STUDENT MAY 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.**

IND EP TYPHYSICS BBMB 490 1-3 CREDITS  
**Prereq: Department approval.**  
**SEE DEPT FOR REFERENCE NUMBERS**

IND EP TYPHYSICS BBMB 490L 1-3 CREDITS  
**Prereq: Department approval.**  
**SEE DEPT FOR REFERENCE NUMBERS**

UNDERGRAD RESEARCH BBMB 499 1-5 CREDITS  
**Prereq: Permission of instructor.**  
**SEE DEPT FOR REFERENCE NUMBERS**
### BIOCHEM, BIOPHYSICS & MOLECULAR BIO (CONTINUED)

#### SPECIAL TOPICS
- **BBMB 590** 3 CREDITS
  - SEE DEPT FOR REFERENCE NUMBERS

#### RESEARCH
- **BBMB 699** 3 CREDITS
  - SEE DEPT FOR REFERENCE NUMBERS

#### BIOINFORMATICS & COMPUTATIONAL BIOL-UG

<table>
<thead>
<tr>
<th>Course Title</th>
<th>Credits</th>
<th>Prerequisites</th>
</tr>
</thead>
<tbody>
<tr>
<td>INDEPENDENT STUDY</td>
<td>1-5</td>
<td>BCBIO 490</td>
</tr>
<tr>
<td>PRINCIP OF GENETICS</td>
<td>3</td>
<td>BIBIO 313</td>
</tr>
<tr>
<td>IND RESrch</td>
<td>1-6</td>
<td>BIBIO 490H</td>
</tr>
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</table>

#### BIOINFORMATICS AND COMPUTATIONAL BIOL

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<td>1-6</td>
<td>BIBIO 490H</td>
</tr>
</tbody>
</table>

### BIOLOGY

#### HUMAN BIOLOGY
- **Biol 155** 3 CREDITS
  - Credit in biology major graduation requirement

#### ENVIRONMENTAL BIOLOGY
- **Biol 173** 3 CREDITS
  - Credit in biology major graduation requirement

#### Ecology
- **Biol 312** 4 CREDITS
  - Bio 211, Bio 211L, Bio 212, Bio 212L
  
#### Biology (CONTINUED)

<table>
<thead>
<tr>
<th>Course Title</th>
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</tr>
</thead>
<tbody>
<tr>
<td>ECOLOGY</td>
<td>4</td>
<td>Bio 211, Bio 211L, Bio 212, Bio 212L</td>
</tr>
<tr>
<td>PRINCIP OF GENETICS</td>
<td>3</td>
<td>Bio 313</td>
</tr>
<tr>
<td>INDEPENDENT STUDY</td>
<td>1-6</td>
<td>Bio 490H</td>
</tr>
</tbody>
</table>

#### Cooperative Education
- **Bio 498** 3 CREDITS
  - See department for reference numbers

#### Departmental Honors
- **Bio 499** 1-6 CREDITS
  - See department for reference numbers

#### Independent Study
- **Bio 590** 1-6 CREDITS
  - See department for reference numbers

#### Internships
- **Bio 590** 1-6 CREDITS
  - See department for reference numbers

#### Marine Science
- **Bio 499** 1-6 CREDITS
  - Study abroad administrative fee applies

#### Research
- **Bio 499** 1-6 CREDITS
  - See department for reference numbers

#### Undergraduate Seminar
- **Bio 495** 1-3 CREDITS
  - See department for reference numbers

#### Biochemistry
- **Bio 155** 3 CREDITS
  - Credit in biology major graduation requirement

#### Biophysics
- **Bio 121** 3 CREDITS
  - High school biology

#### Molecular Biology
- **Bio 255** 3 CREDITS
  - HS biology and chemistry or BIOL 101
  
### Biochemistry

#### Special Topics
- **BBMB 590** 3 CREDITS
  - See department for reference numbers

#### Research
- **BBMB 699** 3 CREDITS
  - See department for reference numbers

#### Bioinformatics & Computational Biology

<table>
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<tbody>
<tr>
<td>Independent Study</td>
<td>1-5</td>
<td>BCBIO 490</td>
</tr>
<tr>
<td>Principle of Genetics</td>
<td>3</td>
<td>BIBIO 313</td>
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<tr>
<td>Independent Study</td>
<td>1-6</td>
<td>BIBIO 490H</td>
</tr>
</tbody>
</table>

#### Biology

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<tr>
<th>Course Title</th>
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<tbody>
<tr>
<td>Human Biology</td>
<td>3</td>
<td>Bio 155</td>
</tr>
<tr>
<td>Biophysics</td>
<td>3</td>
<td>High school biology</td>
</tr>
<tr>
<td>Molecular Biology</td>
<td>3</td>
<td>HS biology and chemistry or BIOL 101</td>
</tr>
</tbody>
</table>

### Co-op Education
- **Bio 498** 3 CREDITS
  - See department for reference numbers

#### Undergraduate Research Experience
- **Bio 499** 1-6 CREDITS
  - See department for reference numbers
BIOMEDICAL ENGINEERING

INDEPENDENT STUDY B M E 490 1-6 CREDITS
Prereq: PERMISSION OF CHAIR FOR BIOENGINEERING

***** 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
***** 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
***** 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

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 PHARMACOLy 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 DOMESTC 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.
***** SEE DEPT FOR REFERENCE NUMBERS

EXP INT'L INTERNSHIP 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 LEARNING 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: Instructor 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 STYD ENTREPRENR BUSAD 490E 1-3 CREDITS
Prereq: SENIOR CLASSIFICATION; PERMISSION OF INSTRUCTOR
Note: COURSE ONLY OFFERED FOR 3 CREDITS SUMMER 2020

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

3634005 1 ARRANGED
MEETS: MAY 18-AUG 7

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

PRO EXPERIENTL LNG 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 DEPARTMENT
Note: IN BUSINESS; PERMISSION OF INSTRUCTOR

7906005 1 ARRANGED
MEETS: MAY 18-AUG 7

IN BUSINESS; PERMISSION OF INSTRUCTOR

1ST SS 2020
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 31L 347
Note: Instructor permission required 1st week.
5699005 1 MTWR 9:00-12:00
MTWR 1:00-1:00
MEETS: MAY 18-JUNE 12

FOREIGN STUDY PROG CH E 392 4 CREDITS
Prereq: CH E 358, CH E 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 COURSES IN CHEMICAL ENGINEERING 2020.
STUDY ABBROAD SUMMER 2020
Study Abroad Administrative Fee Applies

SUMMER INTERNSHIP CH E 396 R CREDIT
Prereq: PERMISSION OR 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, CH E 392
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 1:00-1:00
MEETS: MAY 18-JUNE 12

UG RESCHR/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 CLASSIFY
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 332L, ENROLLMENT IN CHEM 332
Note: CREDIT IN CHEM 332L OR CHEM 334L, BUT NOT BOTH, MAY BE APPLIED TOWARD GRADUATION
5272005 1 MTWRF 11:40-12:50
MEETS: MAY 18-JULY 10

Section info: http://courses.chem.iastate.edu/

SPECIAL TOPICS CHEM 594L 3 CREDITS
Prereq: CHEM 331 OR CHEM 334L OR ENGL 306 OR GRADUATE
STANDING OR PERMISSION OF INSTRUCTOR
Note: COURSE ONLY OFFERED FOR 3 CREDITS SUMMER 2020
2186005 1 MTWRF 1:20-4:20
MEETS: MAY 18-JULY 10

2186005 1 MTWRF 1:20-4:20
MEETS: MAY 18-JULY 10

Note: Section XW is off campus
Course delivery is WM
Delivery fee $750.00

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 ADVISOR, GRAD CLASSIF
Note: Department permission required.

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

ANCIENT EGYPT CL ST 369X 3 CREDITS
Note: Meets international perspectives reqmt

COMMUNICATION DISORDERS

COMMUNICAT WITH DEAF CMDIS 286 3 CREDITS
Note: Meets U.S. diversity reqmt

LANG & DEVEL CHLD CMDIS 471 3 CREDITS
Note: Section XW is off campus
Course delivery is WM
Delivery fee $150.00

COMMUNICATION STUDIES

INTRO COMMUN STDI COMST 101 3 CREDITS
7918005 1 MTWRF 12:30-1:40
MEETS: JUNE 15-JULY 10

LDRSHIP COMMUN THEOR COMST 313 3 CREDITS

PROFESNL INTERNSHP COMST 497 1-3 CREDITS
Note: Instructor permission required

COMMUNITY & REGIONAL PLANNING

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

Note: Instructor permission required

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

DELIVERY FEE $570.00
COMMUNITY & REGIONAL PLANNING  

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  
Note: RESTRICTED TO MEMBERS OF UNIV HONORS PROGRAM ONLY  
Instructor permission required 1st week.  
Satisfactory-Fail Only.  
*******  
SEE DEPT FOR REFERENCE NUMBERS  

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

INTRO GEOG INFO SYS  
C R P 551  
3 CREDITS  
Note: Course delivery is WW  

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 HOUSSRB 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 590E  
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 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  

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 DIVR&SEQ 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 & REGIONAL PLANNING  

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 LOGIC,PROC&R, I  
C P R E 281  
4 CREDITS  
Prereq: SOPHOMORE CLASSIFICATION  
7321005 1 MTWF 11:00-12:00  
TR 2:30-3:30  
MEETS: MAY 18-JULY 10  

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

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

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

HONORS INDEP STUDY  
C P R 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  
C P R E 590  
1- 6 CREDITS  
*******  
SEE DEPT FOR REFERENCE NUMBERS  

INDEPENDENT STUDY  
C P R E 595X  
1- 3 CREDITS  
*******  
SEE DEPT FOR REFERENCE NUMBERS  

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

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

RESEARCH  
C P R E 499  
VAR. CREDITS  
*******  
SEE DEPT FOR REFERENCE NUMBERS  

COMPUTER SCIENCE  

CMPTER LITERACY&APPL  
C O M S 103  
4 CREDITS  
Note: CREDIT FOR EITHER COM S 103 OR COM S 113/COM S 113N, BUT NOT BOTH, MAY BE APPLIED TOWARD GRADUATION  
2673005 1 ARRANGED  
MEETS: JUNE 15-AUG 7  
Note: Course delivery is WW  
6730600 XW ARRANGED  
MEETS: JUNE 15-AUG 7  
Note: Section XW is off campus  
Course delivery is WW  
Delivery fee $200.00  

INTRO SPRDSH&DATABS  
C O M S 113  
3 CREDITS  
Note: COM S, S E, AND CPR E MAJORS MAY NOT APPLY CREDIT TO COM S 113X, BUT NOT BOTH, MAY BE APPLIED TOWARD GRADUATION  

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

DEVANT 6CRIM BEHAV  CJ ST 340  3 CREDITS
2579600  XW ARRANGED
BEHNKEN M
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
3175000  XW ARRANGED
BUTLER H
MEETS: MAY 18-JUNE 10
Note: Section XW is off campus
Course delivery is www
Delivery fee $150.00

FINISH, CORECTN&SOCIE  CJ ST 352  3 CREDITS
7762000  XW ARRANGED
DELI 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
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 4JUV 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  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: DHN S 102, DSN S 131, DSN S 183,
CREDIT OR CONCURRENT ENROLLMENT IN DES 230
4960005  1 MW 9:50-11:15
MEETS: MAY 18-JULY 10

DESIGN STUDIES

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

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

INDEP STDY DESIGN  DSN S 490D  1- 4 CREDITS
Prereq: WRITTEN APPROVAL OF INSTRUCTOR AND DEPT
CHAIR ON REG'S FORM PRIOR TO END OF SEMESTER OF ENROLLMENT
****** SEE DEPT FOR REFERENCE NUMBERS
ECONOMICS (CONTINUED)

PRIN MACROECONOMICS ECON 102 3 CREDITS
Prereq: ECON 101 RECOMMENDED
3099005 1 MTWF 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

COOPERATIVE EDUC ECON 298 R CREDIT
Prereq: PERMISSION OF THE DEPT COOPERATIVE EDUCATION COORDINATOR; SENIOR CLASSIFICATION
Note: Permission of adviser required.
4834005 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

INDEPENDENT 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. 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; JUNIOR 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

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 (CONTINUED)

EXP I: EDUC TECHNOLGS 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

DELIVERY FEE $150.00
EDUCATION (CONTINUED)

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

RDGLANG ARTS K-3RD EDUC 377 4 CREDITS
Prereq: ADMISSION 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 418, EDUC 468A, EDUC 468B, 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 448A, 468C.
2066005 1 MTWRF 9:00-11:40
MEETS: MAY 11-JUNE 5

RDGLANG 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 1, 468B, 468R.
RESTRICTED TO EL ED AND ECE MAJORS WITH FULL OR TENTATIVE ADMISSION TO THE UNIVERSITY TEACHER EDUCATION PROGRAM.
2078005 1 MTWRF 8:00-11:40
MEETS: MAY 11-JUNE 5

SOC JUSTC ED: ECE & ELC EDUC 405 3 CREDITS
Prereq: EDUC 201, EDUC 332, JUNIOR CLASSIFICATION ADMISSION TO TEACHER EDUCATION PROGRAM
8300005 1 MTWRF 2:30-5:00
MEETS: JUNE 6-JULY 3
8300010 2 MTWRF 2:30-5:00
MEETS: JUNE 6-JULY 3

SOCIAL JUSTC ED:SEC EDUC 406 3 CREDITS
Prereq: EDUC 204 OR EDUC 332, 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.
6292005 1 MTWRF 2:30-5:00
MEETS: JUNE 8-JULY 3

PRIN DISTANCE LEARN EDUC 407 3 CREDITS
Prereq: EDUC 201, EDUC 202; CONVENTIONAL 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, 449, 468B, 468D (EL ED MAJORS)
Note: COURSE RESTRICTED TO EL ED, ECE MAJORS ONLY
3258005 1 MTWRF 3:00-5:10
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 468B, EDUC 468C, EDUC 445 (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 468B, 377, 468A.
3260010 1 MTWRF 12:30-2:45
MEETS: MAY 11-JUNE 5

TEACHING OF SCIENCE EDUC 449 3 CREDITS
Prereq: EDUC 377, CONCURRENT ENROLLMENT IN EDUC 377, EDUC 468A, EDUC 468B, EDUC 468C, 468D, 468E (EL ED MAJORS)
Note: COURSE RESTRICTED TO EL ED MAJORS ONLY; MUST BE TAKEN CONCURRENTLY WITH 468D, 377, 468A.
3261010 1 MTWRF 12:30-2:45
MEETS: MAY 11-JUNE 5

LITERCY&RNG ASEMT EDUC 452 3 CREDITS
Prereq: EDUC 378 OR EQUIVALENT
5684005 1 MTWRF 9:00-11:00
ARRANGED
MEETS: JUNE 8-JULY 10
Note: MEETS JUNE 6-JULY 10. DUFFLEMEYER READING CLINIC
5684010 2 MTWRF 9:00-11:00
ARRANGED
MEETS: JUNE 8-JULY 10
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&RNG ASEMT EDUC 452 3 CREDITS
6584015 3 MTWRF 9:00-11:00
ARRANGED
MEETS: JUNE 8-JULY 10
Note: MEETS JUNE 6-JULY 10. DUFFLEMEYER READING CLINIC
9436005 1 ARRANGED
MEETS: JUNE 1-JULY 3

EMERG TOPC DGTL TEC EDUC 454 3 CREDITS
Prereq: EDUC 201 OR EDUC 202
Note: COURSE ONLY OFFERED FOR 1 CREDIT SUMMER 2020
5446005 1 MTWRF 7:30-12:30
MEETS: MAY 18-JUNE 5

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 MTWRF 9:00-12:00
MEETS: MAY 11-JUNE 5

EXP II: PR CLG 468A 3 CREDITS
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 448A, 468B.
3267005 1 MTWRF 7:30-12:30
MEETS: JUNE 8-26

EXP II: PR 4-6 EDUC 468B 3 CREDITS
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. MUST BE TAKEN CONCURRENTLY WITH 449, 378, 468B.
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 449, 378, 468B.
Satisfactory-Fail Only.
3267005 1 MTWRF 7:30-12:30
MEETS: JUNE 8-26

EXP II: READ ENDORSE EDUC 468R 1 CREDIT
Prereq: FULL ADMISSION TO THE UNIVERSITY TEACHER EDUCATION PROGRAM
Note: REQUIRED; CONCURRENT ENROLLMENT IN EDUC 378, 448, 468R, 468A.
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 517/LING 517, ADMISSION TO UNIVERSITY TEACHER EDUCATION PROGRAM
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 MTWRF 11:00-1:00
ARRANGED
MEETS: JUNE 6-JULY 3
Note: MEETS JUNE 8-JULY 10. DUFFLEMEYER READING CLINIC
9461010 2 MTWRF 11:00-1:00
ARRANGED
MEETS: JUNE 6-JULY 10
Note: MEETS JUNE 8-JULY 10. DUFFLEMEYER READING CLINIC
9461015 3 MTWRF 11:00-1:00
ARRANGED
MEETS: JUNE 8-JULY 10
Note: MEETS JUNE 8-JULY 10. DUFFLEMEYER READING CLINIC
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<td>CRTV COMP CURRICULUM</td>
<td>EDUC 599A</td>
<td>1-3</td>
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<tr>
<td>CRTV COMP MATH EDUC</td>
<td>EDUC 599G</td>
<td>1-3</td>
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<td>ADV SP TOP EDUC TEC</td>
<td>EDUC 690B</td>
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<td>ADV SPCL TOP SCI ED</td>
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<tr>
<td>ADV TOP SOC &amp; CULTURAL ED</td>
<td>EDUC 690F</td>
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<td>EDUC 690G</td>
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<td>ADV SPL TOP WRL LANG</td>
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<td>ADV SPL TOP ED PSYC</td>
<td>EDUC 690K</td>
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<tr>
<td>ADV TOP LITERACY ED</td>
<td>EDUC 690M</td>
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<td>RESEARCH CURRICULUM</td>
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<td>EDUC 699B</td>
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<td>RESEARCH SCIENCE EDUC</td>
<td>EDUC 699C</td>
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<tr>
<td>RESEARCH MATH EDUC</td>
<td>EDUC 699G</td>
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Prereq: 9 GRADUATE CREDITS IN EDUCATION

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**EDUCATIONAL ADMINISTRATION**

**SPECIAL TOPICS**

<table>
<thead>
<tr>
<th>CODE</th>
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<tbody>
<tr>
<td>EDM 590</td>
<td>1-4</td>
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</tbody>
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Prereq: 9 CREDITS IN EDUCATION

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**EDUCATIONAL LEADERSHIP & POLICY ST**

**SOC JUSTC FIELD EXP**

<table>
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<tr>
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<tr>
<td>EL PS 591</td>
<td>1-3</td>
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Prereq: EL PS 620

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**CAPSTONE EXPERIENCE**

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<tr>
<td>EL PS 616</td>
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Prereq: 4 CREDITS OF EL PS 615

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**ELECTRICAL ENGINEERING**

**ELECTRIC CIRCUITS**

<table>
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<tr>
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<tbody>
<tr>
<td>EE 201</td>
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Prereq: CR OR ENROLLMENT IN MATH 267 AND PHYS 222

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**ELECTRON CIRCTS & SYS**

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<tr>
<td>EE 230</td>
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Prereq: EE 201, MATH 267, PHYS 222

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**SUMMER INTERNSHIP**

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<tbody>
<tr>
<td>EE 396</td>
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Prereq: PERMISSION OF DEPARTMENT AND ENGINEERING CAREER SERVICES

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**INDEPENDENT STUDY**

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<tr>
<td>EE 490</td>
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Prereq: SENIOR CLASSIFICATION IN ELECTRICAL ENGR

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**DISSERTATION RESEARCH**

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<td>EE 699</td>
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Prereq: 9 CREDITS IN EDUCATION

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**INDEPENDENT STUDY**

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<td>EE 490</td>
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Prereq: SENIOR CLASSIFICATION IN ELECTRICAL ENGR

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**DISSERTATION RESEARCH**

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<tr>
<td>EE 699</td>
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Prereq: 9 CREDITS IN EDUCATION

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**INDEPENDENT STUDY**

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Prereq: SENIOR CLASSIFICATION IN ELECTRICAL ENGR
ELECTRICAL ENGINEERING (CONTINUED)

INDEPENDENT STUDY Honors E E 490H VAR. CREDITS
Prereq: PERMISSION OF DEPARTMENT
Satisfactory-Fail Only
Note: Course restricted to honors program students only.
Instructor permission required.

SPECIAL TOPICS ELECTRIC MTH E M 690N 1-6 CREDITS

CREATIVE COMPONENT E M 599 VAR. CREDITS

SPECIAL TOPICS MOBILE MEDI E M 590I 1-4 CREDITS

SPECIAL TOPICS THIN FILMS E M 590H 1-6 CREDITS

MEETS: MAY 18-JULY 10
3007010 2 MTWRF 11:00-12:00
3007005 1 MTWRF 9:50-10:50

ENGINEERING MECHANICS (CONTINUED)

SP TOP ADV WAV PROP E M 690O 1-6 CREDITS
Prereq: PERMISSION OF INSTRUCTOR
Instructor permission required.

SPECIAL TOPICS ELECTRICAL MTH E M 690Q 1-6 CREDITS
Prereq: PERMISSION OF INSTRUCTOR
Instructor permission required.

SPECIAL TOPICS RELIABILITY E M 690R 1-6 CREDITS
Prereq: PERMISSION OF INSTRUCTOR
Instructor permission required.

SPECIAL TOPICS ADVANCED MATERIALS E M 690P 1-6 CREDITS
Prereq: PERMISSION OF INSTRUCTOR
Instructor permission required.

SPECIAL TOPICS ADVANCED WAVES E M 690O 1-6 CREDITS
Prereq: PERMISSION OF INSTRUCTOR
Instructor permission required.

ENGINEERING MECHANICS E M 274 3 CREDITS
Prereq: MATH 221, CREDIT OR ENROLLMENT IN MATH 166
Note: Credit in Math 319X, or the E M 274 and E M 324 pair of courses, but not both, may be applied toward graduation.

MEETS: MAY 18-JULY 10
3004005 1 MTWRF 8:40-9:40
MEETS: MAY 18-JULY 10
3007005 1 MTWRF 9:50-10:50
3007010 2 MTWRF 11:00-12:00

MECHANICS OF MATERIALS E M 324 3 CREDITS
Prereq: E M 274
Note: Credit in Math 319X, or the E M 274 and E M 324 pair of courses, but not both, may be applied toward graduation.

MEETS: MAY 18-JULY 10
3007005 1 MTWRF 9:50-10:50
3007010 2 MTWRF 11:00-12:00

INDEPENDENT STUDY E M 490 VAR. CREDITS
Prereq: PERMISSION OF INSTRUCTOR
Note: Instructor permission required.

SPECIAL TOPICS THIN FILMS E M 590H 1-4 CREDITS
Prereq: PERMISSION OF INSTRUCTOR
Note: Instructor permission required.

SPECIAL TOPICS ADVANCED MATERIALS E M 690P 1-6 CREDITS
Prereq: PERMISSION OF INSTRUCTOR
Note: Instructor permission required.

SPECIAL TOPICS ADVANCED WAVES E M 690O 1-6 CREDITS
Prereq: PERMISSION OF INSTRUCTOR
Note: Instructor permission required.

CREATIVE COMPONENT E M 599 VAR. CREDITS

SPECIAL TOPICS ADVANCED ELECTRICAL MTH E M 690Q 1-6 CREDITS
Prereq: PERMISSION OF INSTRUCTOR
Note: Instructor permission required.

ENGLISH

ENGLISH NONNATIVE II ENGL 101C 3 CREDITS
Prereq: RECOMMENDATION OF ENGL DEPT; PLACEMENT IN VARIOUS SECTIONS DETERMINED BY EXAMINATION
Note: Course restricted to graduate students only.

MEETS: MAY 18-JULY 10
3295600 XW ARRANGED
MEETS: MAY 18-JULY 10
3296600 XW ARRANGED
Note: Section XW is off campus
Note: Course delivery is WWW

ENGLISH NONNATIVE 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.

MEETS: MAY 18-JULY 10
3298005 1 MWF 9:50-10:50
3298010 2 MWF 11:00-12:00
3298015 3 MWF 11:00-12:00

Note: Section XV is off campus
Note: Course delivery is WWW

CRITICAL THINKING/COMMUNICATION ENGL 150 3 CREDITS
Prereq: RECOMMENDATION OF ENGL DEPT; PLACEMENT IN ENGL 160 IS RECOMMENDED

MEETS: MAY 18-JULY 10
3298600 XW ARRANGED
MEETS: MAY 18-JULY 10
Note: Section XW is off campus
Note: Course delivery is WWW

Note: COURSE RESTRICTED TO GRADUATE STUDENTS ONLY.

Note: Instructor permission required.

ENGLISH NONNATIVE 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.

MEETS: MAY 18-JULY 10
3298005 1 MWF 9:50-10:50
3298010 2 MWF 11:00-12:00
3298015 3 MWF 11:00-12:00

Note: Section XV is off campus
Note: Course delivery is WWW

Note: COURSE RESTRICTED TO GRADUATE STUDENTS ONLY.

Note: Instructor permission required.

A LING AFRICAN LANGUAGES ENGL 169X 3 CREDITS
Prereq: RECOMMENDATION OF ENGL DEPT; PLACEMENT IN ENGL 160 IS RECOMMENDED

MEETS: MAY 18-JULY 10
5096000 XW ARRANGED
Note: Course Fee of $150
Section XW is off campus
Course delivery is WWW

WRITING, ORAL AND COMPOSITION ENGL 250 3 CREDITS
Prereq: ENGL 150 or exemption from ENGL 150
Note: Each section will meet two days in a computer lab. Concurrent enrollment in ENGL 160 is recommended.

MEETS: MAY 18-JULY 10
3299900 1 MWF 9:50-10:50
3299905 2 MWF 9:50-10:50
3299910 3 MWF 11:00-12:00
3299915 4 MWF 11:00-12:00

Note: Section XV is off campus
Note: Course delivery is WWW
Delivery fee $150.00
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<td>3356010</td>
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<td>1</td>
<td>WRITING: A LITERARY WORKSHOP</td>
<td>3</td>
<td>$150.00</td>
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Note: RESTRICTED TO JUNIORS AND SENIORS

**Grading System:** Grading options vary by course and section. Please check the course description for specific grading policies.

**Delivery Fees:** Delivery fees are subject to change and may vary depending on the specific course and delivery mode.
ENGLISH (CONTINUED)

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

CR WRIT WKSHP:FICTN ENGL 404 3 CREDITS
3353005 1 MTWRF 9:50-10:50
Note: Department permission required.

INTERN BUS/PRO COMM ENGL 487 1-3 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 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 *

SPL TOP TESL/LINGUI ENGL 590C 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 *

SPL TP RHETOR&COMP ENGL 590E 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 *

SPL TOP LITERATURE ENGL 590A 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 *

RESAC RESEARCH ENGL 699 VAR. CREDITS
Prereq: GRADUATE CLASSIFICATION, PERMISSION OF MAJOR PROFESSOR
Note: Instructor permission required.

* * * * * 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: RDL 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

* * * * * SEE DEPT FOR REFERENCE NUMBERS *
### Environmental Science

**Environmental Science**

<table>
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<tr>
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<tr>
<td>ENSCI 270X</td>
<td>Geospatial Technology</td>
<td>3</td>
<td>MTWRF 9:50-11:05</td>
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<tr>
<td>ENSCI 312</td>
<td>Ecology</td>
<td>4</td>
<td>M 12:10-3:00</td>
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<td>ENSCI 370</td>
<td>Ecogonviron Sci Gis</td>
<td>6</td>
<td>TR 12:10-3:00</td>
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<td>ENSCI 390</td>
<td>Internship Environmental Science</td>
<td>3</td>
<td>MTWRF 9:50-11:05</td>
</tr>
<tr>
<td>ENSCI 391</td>
<td>Apprenticeship</td>
<td>3</td>
<td>MTWRF 9:50-11:05</td>
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<td>ENSCI 490</td>
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### Environmental Studies

**Environmental Studies**

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<td>Environmental Biology</td>
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<td>ENV S 390</td>
<td>Internship Environmental Studies</td>
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<td>ENV S 395</td>
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<td>ENV S 499H</td>
<td>Honors Independent Study</td>
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### Event Management

**Event Management**

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<tr>
<td>EVENT 271</td>
<td>Introduction to Event Management</td>
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### Exchange Program

**Exchange Program**

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<td>EXPRO 304H</td>
<td>EXCH NCU-TAIWAN</td>
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### Finance

**Finance**

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<tr>
<td>FIN 301</td>
<td>Principle of Finance</td>
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<td>MTWRF 9:50-11:05</td>
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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
Note: SECTION A1 RESTRICTED TO FIN MAJORS ONLY
3691010 A2 MTWRF 7:30-9:30
MEETS: JULY 13-AUG 7
Note: SECTION A2 RESTRICTED TO ACCT, ACSCI, BU AN, BUS S, BUS U, BUSAC, ENTSP, NMT, 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 9:50-11:50P
MEETS: JUNE 15-JULY 10
Note: SECTION A2 RESTRICTED TO ACCT, ACSCI, BU AN, BUS S, BUS U, BUSAC, ENTSP, NMT, MIS, MKT, SCM UNDERGRAD MAJORS ONLY

FINAN MKTG&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: COURSE RESTRICTED TO UNDERGRAD BUSINESS MAJORS

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 INTERNSHIP FIN 499B 1-3 CREDITS
Prereq: GPA 2.5; PERMISSION OF INTERNSHIP COORDINATOR; STAT 326
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; PERMISSION 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.

CORPORATE FINANCE 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 & 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
62958001T ARRANGED BEIRMAN E
MEETS: MAY 11-25
Note: SEC IT TAUGHT IN ITALY-ROME, TUSCANY, FLORANCE, PISA & PARM. TOPIC: FOR THE LOVE OF ITALI & FOOD: MEDITERRANEAN DIET TOUR. STUDY ABBROAD SUMMER 2020, OFFERED FOR 2 CREDITS
Study Abroad Administrative Fee Applies

62958051H ARRANGED BOWKER D
MEETS: MAY 11-25
Note: SEC IT TAUGHT IN THAILAND & CAMBODIA GLOBAL HEALTHCARE EXPERIENCE. STUDY ABBROAD SPRING 2020.
Study Abroad Administrative Fee Applies

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

SPL TOPICS NUTRIT 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
63068001T ARRANGED BEIRMAN E
MEETS: MAY 11-25
Note: SEC IT TAUGHT IN ITALY-ROME, TUSCANY, FLORANCE, PISA & PARM. TOPIC: FOR THE LOVE OF ITALI & FOOD: MEDITERRANEAN DIET TOUR. STUDY ABBROAD SUMMER 2020, OFFERED FOR 2 CREDITS
Study Abroad Administrative Fee Applies

63068051H ARRANGED BOWKER D
MEETS: MAY 11-25
Note: SEC IT TAUGHT IN THAILAND & CAMBODIA GLOBAL HEALTHCARE EXPERIENCE. STUDY ABBROAD SPRING 2020.
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 PROBS 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 PERMISSION
****** SEE DEPT FOR REFERENCE NUMBERS

FORESTRY (CONTINUED)

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

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

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

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

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

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

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

CR COMP FOR MGT&ADMIN RSRCH FOR 690A 1-12 CREDITS
Note: Instructor permission required 1st week.
****** SEE DEPT FOR REFERENCE NUMBERS

FOR ECONOMICS RSRCH FOR 690C 1-12 CREDITS
Note: Instructor permission required 1st week.
****** SEE DEPT FOR REFERENCE NUMBERS

FOREST BIOLOGY RSRCH FOR 690D 1-12 CREDITS
Note: Instructor permission required 1st week.
****** SEE DEPT FOR REFERENCE NUMBERS

WOOD SCIENCE RSRCH FOR 690E 1-12 CREDITS
Note: Instructor permission required 1st week.
****** SEE DEPT FOR REFERENCE NUMBERS

FRENCH

INDEPENDENT STUDY FRNC 490 1-6 CREDITS
Note: NO MORE THAN 6 CREDITS IN FRNC 490 MAY BE APPLIED TOWARD GRADUATION
Note: PERMISSION OF DEPARTMENT CHAIR REQUIRED.
****** SEE DEPT FOR REFERENCE NUMBERS

SPL TOP LANG PEDAGY FRNC 590 1-4 CREDITS
Note: PERMISSION OF DEPARTMENT CHAIR REQUIRED.
****** SEE DEPT FOR REFERENCE NUMBERS

2393005 1 ARRANGED MEETS: JUNE 15-AUG 7

GENETICS

PRINCIP OF GENETICS GEN 313 3 CREDITS
Prereq: Biol 111 & Bion 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 313/301, GEN/Agron 120
95596001W ARRANGED BOURY N
MEETS: MAY 18-AUG 7
Note: Section W is off campus. Course delivery is WNN. 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 TO GAME 490 (INCLUDING GEN 490) TOWARD GRADUATION
****** SEE DEPT FOR REFERENCE NUMBERS

Note: Instructor permission required 1st week.
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<td>Independent Study</td>
<td>GEOL 290</td>
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<td>Summer Field Study</td>
<td>GEOL 302</td>
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<td>GEOL 102, GEOL 356, GEOL 368</td>
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<td>Note: Instructor permission required. Tuition Category:Camp fee</td>
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**GLOBAL RESOURCE SYSTEMS**

**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 FAC TCHG PRACT**

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.

**REQ 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

8117005  1 ARRANGED

MEETS: MAY 18-AUG 7

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**GERMAN**

**HOLocaust TEXT, IMAG**

Ger 371  3- 4 CREDITS

**Note:** Meets international perspectives reqmt

7869005  1 ARRANGED

MEETS: MAY 18-AUG 7

Note: Section XV is off campus
Course delivery is WM
Delivery fee $200.00

7869000  XV ARRANGED

MEETS: MAY 18-AUG 7

Note: Section XV is offered for 3 CREDITS
Section XV is off campus
Course delivery is WM
Delivery fee $150.00

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**GLOBAL RESOURCE SYSTEMS**

**GLOBE 490A**

Var. CREDITS

Note: Meets international perspectives reqmt

5830005  V1 ARRANGED

MEETS: MAY 18-AUG 7

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**INTERNSHIP**

**GERONTOL PRAC**

Ger 467  3- 6 CREDITS

**Note:** Meets international perspectives reqmt

7870005  1 ARRANGED

MEETS: MAY 18-AUG 7

Note: Instructor permission required.

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**INTERNATIONAL STUDY**

**GLOBE 490A**

1- 4 CREDITS

**Note:** Meets international perspectives reqmt

3581800  UG ARRANGED

MEETS: MAY 18-AUG 7

Note: Section XV is offered for 3 CREDITS

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**GERON**

**GERONTOL PRACTICUM**

Ger 599  Var. CREDITS

Note: Meets international perspectives reqmt

9775005  1 ARRANGED

MEETS: MAY 18-AUG 7

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**GERON**

**SENIOR PROJECT**

Ger 401  3 CREDITS

**Note:** Meets international perspectives reqmt

6999005  1 ARRANGED

MEETS: MAY 18-AUG 7

---

**GERON**

**APPRENTICESHIP**

Ger 221  R CREDIT

**Note:** Meets international perspectives reqmt

9333900  V1 ARRANGED

MEETS: MAY 18-AUG 7

Note: Instructor permission required.

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**GERON**

**COURSES**

**GLOBE 321**

Var. CREDITS

**Note:** Meets international perspectives reqmt

3684005  1 ARRANGED

MEETS: MAY 18-AUG 7

Note: Instructor permission required.
### Graphic Design

**Course:** ArtGr 480  **Credits:** 3
- **Prereq:** ArtGr 377, 12 cr in Graphic Design; Instr permission.
- **Note:** Instructor permission required 1st week.
- **Meets:** May 18-Aug 7

**Course:** ArtGr 495  **Credits:** 3
- **Prereq:** Permission of Instructor.
- **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.

**Courses:**
- **ArtGr 595**  **Credits:** 3
  - **Prereq:** Grad Classif, 494 or equiv; Instr permission.
  - **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.
- **ArtGr 590**  **Credits:** 1-3
  - **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.
  - **Note:** Instructor permission required 1st week.
- **ArtGr 584**  **Credits:** 1-3
  - **Prereq:** Sec En taught in Europe; Topic: Graphic Design Abroad; Study Abroad Summer 2020. Offered for 3 credits.

### Health Studies

**Internship:** Hlth Studi H S 485  **Credits:** 8-16
- **Prereq:** Senior Classification and advance registration.
- **Note:** Instructor permission required 1st week.
- **Satisfactory-Fail Only.**
- **See Dept for Reference Numbers**

**Independent Study:** H S 490  **Credits:** 1-3
- **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**  **Credits:** 1-4
  - **Prereq:** 9 credits in Education
  - **Note:** See Dept for Reference Numbers
- **SPL Top Comm Coll Hg Ed 590B**  **Credits:** 1-4
  - **Prereq:** 9 credits in Education
  - **See Dept for Reference Numbers**
- **SPL Top Current ISS Hg Ed 590C**  **Credits:** 1-4
  - **Prereq:** 9 credits in Education
  - **See Dept for Reference Numbers**
- **SPL Top Intl Hg Ed 590D**  **Credits:** 1-4
  - **Prereq:** 9 credits in Education
  - **See Dept for Reference Numbers**
- **SP Top Fed&Stat Aff Hg Ed 590E**  **Credits:** 1-4
  - **Prereq:** 9 credits in Education
  - **See Dept for Reference Numbers**
- **SP Top Law in Hg Ed Hg Ed 590F**  **Credits:** 1-4
  - **Prereq:** 9 credits in Education
  - **See Dept for Reference Numbers**
- **SP Top Instntnl Res Hg Ed 590G**  **Credits:** 1-4
  - **Prereq:** 9 credits in Education
  - **See Dept for Reference Numbers**
- **Research:** Hg Ed 699  **Var. Credits:**
  - **Note:** 9 credits in Education
  - **See Dept for Reference Numbers**

### History

**History of Iowa:** Hist 370  **Credits:** 3
- **Prereq:** Sophomore classification.
- **Note:** Course restricted to Sophomores and above.
- **En Arranged:** Bremer J
- **Meets:** May 18-June 12
- **Note:** Section XW is off campus
- **Course Delivery:** WWW
- **Delivery Fee:** $150.00

**Latina/O History:** Hist 372  **Credits:** 3
- **Prereq:** Meets U.S. diversity reqmt.
- **En Arranged:** Behnken M
- **Meets:** June 15-July 10
- **Note:** Section XW is off campus
- **Course Delivery:** WWW

**Independent Study:** Hist 490  **Credits:** 1-3
- **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  **Credits:** 1-3
- **Prereq:** Instructor permission.
- **Note:** Instructor permission required 1st week.
- **See Dept for Reference Numbers**

**Creative Component:** Hist 599  **Var. Credits:**
- **Note:** Instructor permission required 1st week.
- **See Dept for Reference Numbers**

**Research:** Hist 699  **Var. Credits:**
- **Note:** Instructor permission required 1st week.
- **See Dept for Reference Numbers**

### Honors

**Independent 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 TOTAL OF 129 CREDITS REQUIRED FOR GRADUATION.

COOPERATIVE EDUCATION HORT 398 R CREDIT
Prereq: PERMISSION OF DEPARTMENT 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

IND STU NURS CROPS HORT 490B VAR. CREDITS
Prereq: JUNIOR OR SENIOR CLASSIFICATION IN HORTICULTURE OR PERMISSION OF INSTRUCTOR
Note: NO MORE THAN 4 CREDITS OF HORT 490 AND AN ADDITIONAL 2 CREDITS OF 490 FROM OUTSIDE HORTICULTURE MAY BE USED TOWARD THE TOTAL OF 129 CREDITS REQUIRED FOR GRADUATION

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

IND STU CROSS-COMMOD 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

IND STU 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

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 HORTICULTURE OR PERMISSION OF STUDENT ONLY.

IND STU ENTREPRENR HORT 490J VAR. CREDITS
Prereq: JUNIOR OR SENIOR CLASSIFICATION IN HORTICULTURE OR PERMISSION OF INSTRUCTOR
Satisfactory-Fail Only.

SEED SCI INTERNSHIP HORT 491 1-2 CREDIT
Prereq: AGRON 338, ADVANCED APPROVAL AND INSTRUCTOR permission required.

SEEDL LEARN DOMESTC HORT 494B VAR. CREDITS
Prereq: PERMISSION OF INSTRUCTOR

IND STU CROS-COMMOD HORT 490F VAR. CREDITS

RSRCH GREENHSE CROP HORT 699A VAR. CREDITS

RSRCH NURSERY CROPS HORT 699B VAR. CREDITS

RESEARCH TURFGRASS HORT 699C VAR. CREDITS

RESEARCH CROSS-COMMOD HORT 699F VAR. CREDITS

CREATIVE COMPONENT HORT 592 VAR. CREDITS

SERVC LEARN DOMESTC HORT 494B VAR. CREDITS

GLOBAL TOURISM MGT HSP M 260 3 CREDITS

INTERNSHIP HOSPITALITY MGT HSP M 290 3-6 CREDITS

INTERNSHIP HOSPITALITY MGT 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.

INTERNSHIP HOSPITALITY 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.

INTERNSHIP HOSPITALITY MGT HSP M 490B VAR. CREDITS

IND STU FOODSRVC OF 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.

INDEP STUDY HONORS HORT 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.

HOSPITALITY MANAGEMENT

GLOBAL TOURISM MGT HSP M 290 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.

Inter MEETS: MAY 18-AUG 7
3423005 1 ARRANGED
MEETS: MAY 18-AUG 7
IND ST HOSPITY 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.

HOSPITALITY MGT SCHOLAR HSP M 505 1 CREDIT
Prereq: NO MORE THAN 2 CREDITS OF HSP M 505 MAY BE APPLIED TOWARD HOSPITALITY MGT SCHOLAR HSP M 505.
MEETS: MAY 18-AUG 7
3423005 1 ARRANGED
MEETS: MAY 18-AUG 7
2 ADDITIONAL CREDITS OF HSP M 290 MAY BE APPLIED TOWARD HOSPITALITY MGT SCHOLAR HSP M 505.

CURR ISS HOSPITY MGT HSP M 506 1 CREDIT
Prereq: NO MORE THAN 2 CREDITS OF HSP M 506 MAY BE APPLIED TOWARD HOSPITALITY MGT SCHOLAR HSP M 505.

MEETS: MAY 18-AUG 7
3423005 1 ARRANGED
MEETS: MAY 18-AUG 7
2 ADDITIONAL CREDITS OF HSP M 290 MAY BE APPLIED TOWARD HOSPITALITY MGT SCHOLAR HSP M 505.
**HOSPITALITY MANAGEMENT (CONTINUED)**

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**HUMAN COMPUTER INTERACTION**

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**HUMAN DEVELOPMENT & FAMILY STUDIES**

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**HUMAN DEVELOPMENT & FAMILY STUDIES (CONTINUED)**

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**HUMAN DEVELOPMENT & FAMILY STUDIES (CONTINUED)**

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**HUMAN DEVELOPMENT & FAMILY STUDIES (CONTINUED)**

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INTEGRATED STUDIO ARTS (Continued)

INDEPENDENT STUDY METALS ARTIS 490G 1-6 CREDITS
PreReq: Written Approval of Instructor 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

INDEPENDENT STUDY HONORS ARTIS 490H 1-6 CREDITS
PreReq: Written Approval of Instructor and Dept Chair
On Required Form in Advance of Semester of Enrollment.
Membership in University Honors Program
Note: Course restricted to honors program students only.
Materials and equipment use fee $75.00

INDEPENDENT STUDY PAINTING ARTIS 490I 1-6 CREDITS
PreReq: Written Approval of Instructor and Dept Chair
On Required Form in Advance of Semester of Enrollment
Note: Instructor permission required 1st week.

INDEPENDENT STUDY DRAWING ARTIS 490D 1-6 CREDITS
PreReq: Written Approval of Instructor and Dept Chair
On Required Form in Advance of Semester of Enrollment
Note: Instructor permission required 1st week.

INDEPENDENT STUDY CERAMICS ARTIS 490B 1-6 CREDITS
PreReq: Written Approval of Instructor and Dept Chair
On Required Form in Advance of Semester of Enrollment
Note: Instructor permission required 1st week.

SPECIAL TOPICS ARTIS 490J Var. CREDITS
PreReq: Written Approval of Instructor and Dept Chair
On Required Form in Advance of Semester of Enrollment
Note: Instructor permission required 1st week.

CREATIVE COMPONENT ARTIS 490M 1-6 CREDITS
PreReq: Written Approval of Instructor and Dept Chair
On Required Form in Advance of Semester of Enrollment
Note: Instructor permission required 1st week.

ADVANCED TOPICS ARTIS 490K 1-6 CREDITS
PreReq: Written Approval of Instructor and Dept Chair
On Required Form in Advance of Semester of Enrollment
Note: Instructor permission required 1st week.

INDEPENDENT INTERNSHIP ARTIS 497 1-6 CREDITS
PreReq: Written Approval of Instructor and Dept Chair
On Required Form in Advance of Semester of Enrollment
Note: Instructor permission required 1st week.

INDEPENDENT STUDY MIXED MEDIA ARTIS 490M 1-6 CREDITS
PreReq: Written Approval of Instructor and Dept Chair
On Required Form in Advance of Semester of Enrollment
Note: Instructor permission required 1st week.

INDEPENDENT STUDY PRINTMAKING ARTIS 490L 1-6 CREDITS
PreReq: Written Approval of Instructor and Dept Chair
On Required Form in Advance of Semester of Enrollment
Note: Instructor permission required 1st week.

STUDIO INTERNSHIP ARTIS 497 1-6 CREDITS
PreReq: Written Approval of Instructor and Dept Chair
On Required Form in Advance of Semester of Enrollment
Note: Instructor permission required 1st week.

INTREGATED STUDIO ARTS

DRAW II: LIFE DRWG ARTIS 330 3 CREDITS
PreReq: ARTIS 230
Note: Instructor permission required 1st week.
1802005 1 MTWR 11:00-1:00
MEETS: MAY 18-JUNE 26

PRIN 3D CHAR ANIMAT ARTIS 407 3 CREDITS
PreReq: ARTIS 306
2092005 1 MTWR 11:00-3:00
MEETS: MAY 18-JUNE 26

INDEPENDENT STUDY CERAMICS ARTIS 490B 1-6 CREDITS
PreReq: Written Approval of Instructor 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

INDEPENDENT STUDY DRAWING ARTIS 490D 1-6 CREDITS
PreReq: Written Approval of Instructor and Dept Chair
On Required Form in Advance of Semester of Enrollment
Note: Instructor permission required 1st week.

INDEPENDENT STUDY TEXTILES ARTIS 490E 1-6 CREDITS
PreReq: Written Approval of Instructor 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

INDEPENDENT STUDY ILLUSTRATION ARTIS 490F 1-6 CREDITS
PreReq: Written Approval of Instructor and Dept Chair
On Required Form in Advance of Semester of Enrollment
Note: Instructor permission required 1st week.

INTEGRATED STUDIO ARTS

STUDIO INTERNSHIP ARTIS 497 1-6 CREDITS
Satisfactory-Fail Only.

ARTS 490B 1-6 CREDITS
PreReq: Written Approval of Instructor 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

ARTS 490H 1-6 CREDITS
PreReq: Written Approval of Instructor and Dept Chair
On Required Form in Advance of Semester of Enrollment.
Membership in University Honors Program
Note: Course restricted to honors program students only.
Materials and equipment use fee $75.00

ARTS 490I 1-6 CREDITS
PreReq: Written Approval of Instructor and Dept Chair
On Required Form in Advance of Semester of Enrollment
Note: Instructor permission required 1st week.

ARTS 490D 1-6 CREDITS
PreReq: Written Approval of Instructor and Dept Chair
On Required Form in Advance of Semester of Enrollment
Note: Instructor permission required 1st week.

ARTS 490B 1-6 CREDITS
PreReq: Written Approval of Instructor 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

ARTS 490E 1-6 CREDITS
PreReq: Written Approval of Instructor 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

ARTS 490F 1-6 CREDITS
PreReq: Written Approval of Instructor and Dept Chair
On Required Form in Advance of Semester of Enrollment
Note: Instructor permission required 1st week.

ARTS 490G 1-6 CREDITS
PreReq: Written Approval of Instructor 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

ARTS 490H 1-6 CREDITS
PreReq: Written Approval of Instructor and Dept Chair
On Required Form in Advance of Semester of Enrollment.
Membership in University Honors Program
Note: Course restricted to honors program students only.
Materials and equipment use fee $75.00

ARTS 490I 1-6 CREDITS
PreReq: Written Approval of Instructor and Dept Chair
On Required Form in Advance of Semester of Enrollment
Note: Instructor permission required 1st week.

ARTS 490D 1-6 CREDITS
PreReq: Written Approval of Instructor and Dept Chair
On Required Form in Advance of Semester of Enrollment
Note: Instructor permission required 1st week.

ARTS 490B 1-6 CREDITS
PreReq: Written Approval of Instructor 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

ARTS 490E 1-6 CREDITS
PreReq: Written Approval of Instructor 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

ARTS 490F 1-6 CREDITS
PreReq: Written Approval of Instructor and Dept Chair
On Required Form in Advance of Semester of Enrollment
Note: Instructor permission required 1st week.

ARTS 490G 1-6 CREDITS
PreReq: Written Approval of Instructor 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

ARTS 490H 1-6 CREDITS
PreReq: Written Approval of Instructor and Dept Chair
On Required Form in Advance of Semester of Enrollment.
Membership in University Honors Program
Note: Course restricted to honors program students only.
Materials and equipment use fee $75.00

ARTS 490I 1-6 CREDITS
PreReq: Written Approval of Instructor and Dept Chair
On Required Form in Advance of Semester of Enrollment
Note: Instructor permission required 1st week.

ARTS 490D 1-6 CREDITS
PreReq: Written Approval of Instructor and Dept Chair
On Required Form in Advance of Semester of Enrollment
Note: Instructor permission required 1st week.

ARTS 490B 1-6 CREDITS
PreReq: Written Approval of Instructor 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

ARTS 490E 1-6 CREDITS
PreReq: Written Approval of Instructor 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

ARTS 490F 1-6 CREDITS
PreReq: Written Approval of Instructor and Dept Chair
On Required Form in Advance of Semester of Enrollment
Note: Instructor permission required 1st week.

ARTS 490G 1-6 CREDITS
PreReq: Written Approval of Instructor 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

ARTS 490H 1-6 CREDITS
PreReq: Written Approval of Instructor and Dept Chair
On Required Form in Advance of Semester of Enrollment.
Membership in University Honors Program
Note: Course restricted to honors program students only.
Materials and equipment use fee $75.00

ARTS 490I 1-6 CREDITS
PreReq: Written Approval of Instructor and Dept Chair
On Required Form in Advance of Semester of Enrollment
Note: Instructor permission required 1st week.

ARTS 490D 1-6 CREDITS
PreReq: Written Approval of Instructor and Dept Chair
On Required Form in Advance of Semester of Enrollment
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ARTS 490B 1-6 CREDITS
PreReq: Written Approval of Instructor 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

ARTS 490E 1-6 CREDITS
PreReq: Written Approval of Instructor 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

ARTS 490F 1-6 CREDITS
PreReq: Written Approval of Instructor and Dept Chair
On Required Form in Advance of Semester of Enrollment
Note: Instructor permission required 1st week.

ARTS 490G 1-6 CREDITS
PreReq: Written Approval of Instructor 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

ARTS 490H 1-6 CREDITS
PreReq: Written Approval of Instructor and Dept Chair
On Required Form in Advance of Semester of Enrollment.
Membership in University Honors Program
Note: Course restricted to honors program students only.
Materials and equipment use fee $75.00

ARTS 490I 1-6 CREDITS
PreReq: Written Approval of Instructor and Dept Chair
On Required Form in Advance of Semester of Enrollment
Note: Instructor permission required 1st week.

ARTS 490D 1-6 CREDITS
PreReq: Written Approval of Instructor and Dept Chair
On Required Form in Advance of Semester of Enrollment
Note: Instructor permission required 1st week.
INTEGRATED STUDIO ARTS

STUDY ABROAD HUMANITIES INTST 395B 1-4 CREDITS
Note: Course only offered for 3 credits summer 2020
7820800 DE ARRANGED  LOOF R
MEETS: JULY 7-26
Note: SEC DE TAUGHT IN GERMANY. TITLE: BERLIN'S HISTORY THROUGH ART, ARCHITECTURE, & MEMORIALS.
STUDY ABROAD SUMMER 2020, OFFERED FOR 3 CREDITS.
Study Abroad Administrative Fee Applies.

7820850 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.
Study Abroad Administrative Fee Applies.

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.
Study Abroad Administrative Fee Applies.

7820015 PZ ARRANGED  TAOUTEL J
MEETS: JUNE 8-28
Note: SEC FR TAUGHT IN PARIS, FRANCE. CATHEDRALS OF FRANCE, STUDY ABROAD SUMMER 2020, OFFERED FOR 3 CREDITS.
Study Abroad Administrative Fee Applies.

7820820 IT ARRANGED  GOEBEL M
MEETS: MAY 14-JUNE 9
Note: SEC IT TAUGHT IN TRIESTE & ITALY TOPIC:
TRUEST & THE MEANING OF PLACE:ITALY. STUDY ABROAD SUMMER 2020. OFFERED FOR 3 CREDITS.
Study Abroad Administrative Fee Applies.

7820025 RG ARRANGED  ROLLET J
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 3261 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 4041 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 4271 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 4901 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 530 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 MTWR 11:00-11:50
MEETS: JUNE 15-JULY 10
Note: SECTION IA RESTRICTED TO ADVT, JL MC, P R MAJORS
4656010 1B MTWR 11:00-11:50
MEETS: JUNE 15-JULY 10
Note: SECTION IB RESTRICTED TO MAJORS OTHER THAN
ADVT, JL MC, P R

REPORTWRIT MASS MD JL MC 201 3 CREDITS
Prereq: CLASSIFICATION IN A GREENLEE SCHOOL
MAJOR OR PERMISSION OF DEPARTMENT; PASS
DEPARTMENTAL ASSESSMENT EXAM IN LANGUAGE SKILLS BEFORE REGISTRATION;
ENGL 250; CREDIT OR ENROLLMENT IN JL MC 110
Note: COURSE RESTRICTED TO JL MC, ADVT, P R MAJORS
4658005 1 MTWR 8:40-10:50
MEETS: MAY 18-JULY 10
Syllabus: http://www.jlmc.iastate.edu/undergrad
/syllabi.html

DIVRSIT IN THE MDIA JL MC 477 3 CREDITS
Prereq: JUNIOR CLASSIFICATION
Note: Meets U.S. diversity reqmt
4554600 1XW ARRANGED
Note: COURSE RESTRICTED TO JUNIOR STATUS AND ABOVE
Section: XW is off campus
Course delivery is WM
Delivery fee $150.00

INDEPENDENT STUDY CMUNCAT 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 MEDIA INTER-NATL 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
ADVT MAJORS: C+ OR BETTER IN JL MC 201 AND ADVT 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
Satisfactory-Fail Only.
******* SEE DEPT FOR REFERENCE NUMBERS

PRO MEDIA INTER-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
ADVT MAJORS: C+ OR BETTER IN JL MC 201 AND ADVT 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 STUDIES JL MC 590A VAR. CREDITS
Prereq: PERMISSION OF INSTRUCTOR
******* SEE DEPT FOR REFERENCE NUMBERS

SP TOP PRO SPECIAL JL MC 590B VAR. CREDITS
Prereq: PERMISSION OF INSTRUCTOR
******* SEE DEPT FOR REFERENCE NUMBERS

SP TOP RSCH PRAC JL MC 590C VAR. CREDITS
******* 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: SOFHOME OR 2ND SEMESTER FRESHMEN,
P R MAJORS
Note: Instructor permission required.
******* SEE DEPT FOR REFERENCE NUMBERS

BIOMECHANICS KIN 355 3 CREDITS
Prereq: PHYS 111 OR PHYS 112
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 12:00-2:00
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
MEETS: MAY 12-27
FRANKE W

STUDY ABROAD KINE KIN 485A 8-16 CREDITS
Prereq: ALL REQUIRED COURSES; C- OR BETTER IN
KIN 455, KIN 459, AND KIN 462; CLASSIFICATION IN A
KINESIOLOGY OR HEALTH MAJOR; CUMULATIVE GPA 2.0
Satisfactory-Fail Only.
******* SEE DEPT FOR REFERENCE NUMBERS

STUDY ABROAD SUMMER 2020.
Study Abroad Administrative Fee Applies

STUDY ABROAD SUMMER 2020.
Study Abroad Administrative Fee Applies

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 PHYS 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 BIOMECHANICS KIN 590H 1-3 CREDITS
Note: Instructor permission required 1st week.
******* SEE DEPT FOR REFERENCE NUMBERS

SPL TOP RSCH ETHCS KIN 590I 1-3 CREDITS
Note: Instructor permission required 1st week.
******* SEE DEPT FOR REFERENCE NUMBERS

SUPV FIELD EXP 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 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.

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

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

LANDSCAPE ARCHITECTURE

LAND ARCH INTERNSHIP  LA  444A  R CREDIT
Prereq: LA 341 or PERMISSION OF ADVISER AND
Chair

3036005  1 ARRANGED
MEETS: MAY 18- AUG 7

L ARCH STUDY ABROAD  LA  444B  R CREDIT
Prereq: LA 341 or PERMISSION OF ADVISER AND
Chair

6212005  1 ARRANGED
MEETS: MAY 18- AUG 7

LA NAT'L STDT XCHNG  LA  444C  R CREDIT
Prereq: LA 341 or PERMISSION OF ADVISER AND
Chair

6213005  1 ARRANGED
MEETS: MAY 18- AUG 7

TOPIC INTERDISCPLIN  LA  478I  2- 3 CREDITS
Prereq: LA 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 F.DR HEALTH. SECTION 1 OFFERED
FOR 3 CREDITS SUMMER 2020.

IND STUY LAND DSIGN  LA  490A  1- 6 CREDITS
Prereq: INSTR & DEPT CHAIR APPROVAL ON REQ'D FORM
Note: Instructor permission required 1st week.

IND STUY PLNTG DSIGN  LA  490B  1- 6 CREDITS
Prereq: INSTR & DEPT CHAIR APPROVAL ON REQ'D FORM
Note: Instructor permission required 1st week.

IND STUY CONSTRUCT  LA  490C  1- 6 CREDITS
Prereq: INSTR & DEPT CHAIR APPROVAL ON REQ'D FORM
Note: Instructor permission required 1st week.

INDEP STUY HISTORY  LA  490D  1- 6 CREDITS
Prereq: INSTR & DEPT CHAIR APPROVAL ON REQ'D FORM
Note: Instructor permission required 1st week.

IND STU LANDSC PLAN  LA  490E  1- 6 CREDITS
Prereq: INSTR & DEPT CHAIR APPROVAL ON REQ'D FORM
Note: Instructor permission required 1st week.

IND STUY URBAN DSIGN  LA  490F  1- 6 CREDITS
Prereq: INSTR & DEPT CHAIR APPROVAL ON REQ'D FORM
Note: Instructor permission required 1st week.

INDEP STUY GRAPHICS  LA  490G  1- 6 CREDITS
Prereq: INSTR & DEPT CHAIR APPROVAL ON REQ'D FORM
Note: Instructor permission required 1st week.

INDEP STUY HONORS  LA  490H  1- 6 CREDITS
Prereq: INSTR & DEPT CHAIR APPROVAL ON REQ'D FORM
Note: Instructor permission required 1st week.

IND STUDY INTERDISC  LA  490I  1- 6 CREDITS
Prereq: INSTR & DEPT CHAIR APPROVAL ON REQ'D FORM
Note: Instructor permission required 1st week.

IND STU INT'L STUDY  LA  490J  1- 6 CREDITS
Prereq: INSTR & DEPT CHAIR APPROVAL ON REQ'D FORM
Note: Instructor permission required 1st week.

IND STDY CMPTR APPL  LA  490K  1- 6 CREDITS
Prereq: INSTR & DEPT CHAIR APPROVAL ON REQ'D FORM
Note: Instructor permission required 1st week.

LANDSCAPE ARCHITECTURE (CONTINUED)

IND STDY ECO DESIGN  LA  490L  1- 6 CREDITS
Prereq: INSTR & DEPT CHAIR APPROVAL ON REQ'D FORM
Note: Instructor permission required 1st week.

IND STDY SOCIAL/BHV  LA  490M  1- 6 CREDITS
Prereq: INSTR & DEPT CHAIR APPROVAL ON REQ'D FORM
Note: Instructor permission required 1st week.

IND STU NATU RESRC  LA  490N  1- 6 CREDITS
Prereq: INSTR & DEPT CHAIR APPROVAL ON REQ'D FORM
Note: Instructor permission required 1st week.

TOPIC INTERDISCPLIN  LA  578I  2- 3 CREDITS
Prereq: LA 202 or SENIOR or GRAD CLASSIFICATION
Note: COURSE ONLY OFFERED FOR 3 CREDITS SUMMER 2020

9968005  1 MWF 8:40-10:50
MEETS: JUNE 15- AUG 7

IND STDY LAND DSIGN  LA  580B  1- 6 CREDITS
Prereq: APPROVAL OF INSTRUCTOR AND DIRECTOR OF
GRADUATE EDUCATION ON REQUIRED FORM
Note: Instructor permission required 1st week.

IND STUY URBAN DSIGN  LA  590A  1- 6 CREDITS
Prereq: APPROVAL OF INSTRUCTOR AND DIRECTOR OF
GRADUATE EDUCATION ON REQUIRED FORM
Note: Instructor permission required 1st week.

IND STUY PLNTG DSIGN  LA  590B  1- 6 CREDITS
Prereq: APPROVAL OF INSTRUCTOR AND DIRECTOR OF
GRADUATE EDUCATION ON REQUIRED FORM
Note: Instructor permission required 1st week.

TOPIC INTERDISCPLIN  LA  590C  1- 6 CREDITS
Prereq: APPROVAL OF INSTRUCTOR AND DIRECTOR OF
GRADUATE EDUCATION ON REQUIRED FORM
Note: Instructor permission required 1st week.

SPL TOPC PLNTG DSIGN  LA  590D  1- 6 CREDITS
Prereq: APPROVAL OF INSTRUCTOR AND DIRECTOR OF
GRADUATE EDUCATION ON REQUIRED FORM
Note: Instructor permission required 1st week.

SPL TOPC HIST  LA  590E  1- 6 CREDITS
Prereq: APPROVAL OF INSTRUCTOR AND DIRECTOR OF
GRADUATE EDUCATION ON REQUIRED FORM
Note: Instructor permission required 1st week.

SPL TOPC URBAN DSIGN  LA  590F  1- 6 CREDITS
Prereq: APPROVAL OF INSTRUCTOR AND DIRECTOR OF
GRADUATE EDUCATION ON REQUIRED FORM
Note: Instructor permission required 1st week.

SPL TOPC GRAPHICS  LA  590G  1- 6 CREDITS
Prereq: APPROVAL OF INSTRUCTOR AND DIRECTOR OF
GRADUATE EDUCATION ON REQUIRED FORM
Note: Instructor permission required 1st week.

SPL TOPC HONORS  LA  590H  1- 6 CREDITS
Prereq: APPROVAL OF INSTRUCTOR AND DIRECTOR OF
GRADUATE EDUCATION ON REQUIRED FORM
Note: Instructor permission required 1st week.

SPL TOPC INTERDISCPLIN  LA  590I  1- 6 CREDITS
Prereq: APPROVAL OF INSTRUCTOR AND DIRECTOR OF
GRADUATE EDUCATION ON REQUIRED FORM
Note: Instructor permission required 1st week.

SPL TOPC URBAN DSIGN  LA  590J  1- 6 CREDITS
Prereq: APPROVAL OF INSTRUCTOR AND DIRECTOR OF
GRADUATE EDUCATION ON REQUIRED FORM
Note: Instructor permission required 1st week.

SPL TOPC GRAPHICS  LA  590K  1- 6 CREDITS
Prereq: APPROVAL OF INSTRUCTOR AND DIRECTOR OF
GRADUATE EDUCATION ON REQUIRED FORM
Note: Instructor permission required 1st week.

SPL TOPC HONORS  LA  590L  1- 6 CREDITS
Prereq: APPROVAL OF INSTRUCTOR AND DIRECTOR OF
GRADUATE EDUCATION ON REQUIRED FORM
Note: Instructor permission required 1st week.
LANDSCAPE ARCHITECTURE (CONTINUED)

SPL TOPC ECO DESIGN L A 590L 1- 6 CREDITS
Prereq: PERMISSION OF DEPT CHAIR AND DIRECTOR OF GRAD UATE EDUCATION
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

SPL TOP INTRNSH/CO-OP L A 498 1- 4 CREDITS
Prereq: PERMISSION OF LAS CAREER SERVICES
Note: Instructor permission required 1st week.
****** SEE DEPT FOR REFERENCE NUMBERS

LIBERAL ARTS & SCIENCES (CONTINUED)

ADV SVC LRN:INTL PR L A 491C 1- 4 CREDITS
Prereq: PERMISSION OF INSTRUCTOR AND DIRECTOR OF GRADUATE EDUCATION
Note: Course only offered for 3 credits SUMMER 2020
Meets international perspectives reqmt *
****** SEE DEPT FOR REFERENCE NUMBERS

INTERNSHIP/CO-OP L A 498 1- 4 CREDITS
Prereq: PERMISSION OF LAS CAREER SERVICES
Note: Instructor permission required 1st week.
****** SEE DEPT FOR REFERENCE NUMBERS

IND STDY ENTREPRENSH L A 490E VAR. CREDITS
Prereq: PERMISSION OF THE DEAN OF LAS
Note: No more than 5 credits of LAS 490 may be applied toward graduation. College permission required.
****** SEE DEPT FOR REFERENCE NUMBERS

ADV SERVICE LEARNING L A 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

LIBRARY

INFORMAT LITERACY L B 160 1 CREDIT
Prereq: COMPLETION OF ENGL 101 REQUIRED FOR STUDENTS PLACED IN ENGL 101
Note: Instructor permission required
4862005 1 W 11:00-11:50 ARRANGED
MEETS: MAY 18-JUNE 12
4862010 2 TR 1:20-2:20, ARRANGED
Note: COURSE ONLY OFFERED FOR 3 CREDITS SUMMER 2020
Study Abroad Administrative Fee Applies

LINGUISTICS

INTRO WORLD LANGUAG L I 119 3 CREDITS
Note: Meets international perspectives reqmt
6257600 WX ARRANGED
MEETS: MAY 18-JULY 10
Note: COURSE FEE OF $150
Section WX is off campus
Course delivery is WWW

A LING APERCH TABAC L I 169X 3 CREDITS
Note: Instructor permission required 1st week.
0589600 WX ARRANGED
MEETS: MAY 18-JULY 10
Note: COURSE FEE OF $150
Section WX is off campus
Course delivery is WWW

COMUNICAT WITH DEAF L I 286 3 CREDITS
Note: Instructor permission required 1st week.
8597600 WX ARRANGED
VENKATAGIRI H
MEETS: MAY 18-JULY 10
Note: COURSE FEE OF $150
Section WX is off campus
Course delivery is WWW

LANG&RDG DEVEL CHLD L I 471 3 CREDITS
Prereq: 9 CR IN ENGL BEYOND ENGL 250
STUDY ABROAD SUMMER 2020
Note: SEC EC TAUGHT IN ECUADOR. TOPIC: GLOBAL
OFFERED FOR 3 CREDITS

IND STU LINGUISTICS L I 490B VAR. CREDITS
Prereq: 9 CR IN ENGL BEYOND ENGL 250 APPLICABLE TO THE TOPIC, JR CLASSIFICATION, PERMISSION OF THE GRADUATE STUDIES COMMITTEE
Note: Instructor permission required 1st week.
****** SEE DEPT FOR REFERENCE NUMBERS

IND STU LING ANTHR L I 490D 1- 5 CREDITS
Prereq: 9 CR IN ANTHROPOLOGY
Note: Instructor permission required 1st week.
****** SEE DEPT FOR REFERENCE NUMBERS

LANGU ASSESS PRACTM L I 513 3 CREDITS
9060005 1 ARRANGED
MEETS: MAY 18-AUG 7

SPL TOP TESL/LINGUI L I 590B VAR. CREDITS
Prereq: PERMISSION OF GRADUATE STUDIES COMMITTEE ACCORDING TO GUIDELINES AVAILABLE IN THE DEPARTMENT OFFICE
****** SEE DEPT FOR REFERENCE NUMBERS

LATIN

INDEPENDENT STUDY L A 490 1- 6 CREDITS
Prereq: 6 CR IN LATIN; PERMISSION OF DEPT CHAIR
Note: NO MORE THAN 9 CREDITS IN LATIN 490 MAY BE APPLIED TOWARD GRADUATION.
Note: Instructor permission required 1st week.
****** SEE DEPT FOR REFERENCE NUMBERS

LEADERSHIP STUDIES

CAMPUS LDRSHIP DEVEL L D ST 270 3 CREDITS
9524005 1 MTWRF 12:10-1:10 MEETS: JUNE 15-AUG 7
Note: FOR APEX PROGRAM STUDENTS ONLY

LIBERAL ARTS & SCIENCES

PROFSNL CAREER PREP L A 203X 1 CREDIT
Satisfactory-Fail Only.
0294605 XV ARRANGED WAGNER A
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 GX ARRANGED WAGNER A
Note: LAS COLLEGE STUDENTS ONLY. SOPHOMORES, JUNIORS AND SENIORS ONLY.
Section WX is off campus
Course delivery is WWW
Delivery fee $50.00

SPL TOP INTRNSH/CO-OP L A 498 1- 4 CREDITS
Prereq: PERMISSION OF LAS CAREER SERVICES; LAS MAJORS; FRESHMAN OR SOPHOMORE CLASSIFICATION
Note: Instructor permission required 1st week.
Satisfactory-Fail Only.
4541015 1 ARRANGED
4541010 2 ARRANGED
MEETS: MAY 18-AUG 7

IND STDY ENTREPRENSH L A 490E VAR. CREDITS
Prereq: PERMISSION OF THE DEAN OF LAS
Note: PERMISSION OF THE DEAN OF LAS REQUIRED TO ADD. PROCESS APPROVED ADD SLIP IN 119 ENROLLMENT SERVICES CENTER. NO MORE THAN 9 CREDITS OF LAS 490 MAY BE APPLIED TOWARD GRADUATION. College permission required.
****** SEE DEPT FOR REFERENCE NUMBERS
LINGUISTICS

SPL TP APP LINGTEC LING 590G VAR. CREDITS
Prereq: PERMISSION OF GRADUATE STUDIES COMMITTEE
Note: Course not open to P Bus Majors.
5283005 1 MTWRF 9:30-11:00
Note: Restricted to Business College Graduate Students Only.

RESEARCH

MIS 699 3 CREDITS
Prereq: PERMISSION OF MAJOR PROFESSOR
Note: See department for reference numbers.

MANAGEMENT

ORGANIZATIONAL BEHAVIOR MGMT 371 3 CREDITS
Prereq: SOPHOMORE CLASSIFICATION
Note: See department for reference numbers.

MIS 650 1 CREDIT
Note: Restricted to Undergraduate Students except P Bus. Graduate students see 1200 GER for permission to add.

CREATIVE COMPONENT MGMT 599 3 CREDITS
Prereq: PERMISSION OF INSTRUCTOR
Note: See department for reference numbers.

SPECIAL TOPICS MGMT 590 1-3 CREDITS
Prereq: WORK IN FIELD OF STUDY
Note: See department for reference numbers.

INDEPENDENT STUDY MGMT 490 1-3 CREDITS
Prereq: PERMISSION OF INSTRUCTOR
Note: See department for reference numbers.

MANAGEMENT INFORMATION SYSTEMS

MIS 301 3 CREDITS
Prereq: COM S 113 OR BUSAD 150

4394005 A1 MTWRF 12:10-2:10
Note: Restricted to majors in the Department of Management Information Systems.

4394010 A2 MTWRF 12:10-2:10
Note: Restricted to majors in the Department of Management Information Systems.

INDEPENDENT STUDY MIS 490 1-3 CREDITS
Prereq: MIS 301, PERMISSION OF INSTRUCTOR
Note: See department for reference numbers.

MATERIALS ENGINEERING

MAT 392 3 CREDITS
Prereq: MAT 125, MAT 126, MAT 127

8485800 UK ARRANGED 5000
Note: Restricted to Majors Only.

SUMMER INTERNSHIP MAT 396 1 CREDIT
Prereq: PERMISSION OF INSTRUCTOR
Note: See department for reference numbers.

MATERIALS SCIENCE & ENGINEERING

MSE SUMMER PROGRAM IN IN BRUNEL
Note: SEC UK TAUGHT IN BRUNEL UNIVERSITY.

Note: See department for reference numbers.

MKT 340 3 CREDITS
Prereq: PERMISSION OF INSTRUCTOR
Note: See department for reference numbers.

SPECIAL TOPICS MKT 590 1-3 CREDITS
Prereq: PERMISSION OF INSTRUCTOR
Note: See department for reference numbers.

RESEARCH PRACTICUM I MKT 650 1 CREDIT
Prereq: ENROLLMENT IN THE PH.D PROGRAM
Note: See department for reference numbers.
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 WMN
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 WMN
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 MINIMUM OF C- IN MATH 140.
Note: CREDITS EARNED IN MATH 140 CANNOT BE APPLIED TOWARD GRADUATION. CREDITS EARNED IN THE COURSE OF LIBERAL ARTS AND SCIENCES MAY NOT APPLY MATH 140 TOWARD THE GEN ED REQUIREMENTS 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 WMN
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 145, MATH 143. STUDENTS IN THE LAS COLLEGE MAY NOT APPLY MATH 143 TOWARD GENERAL EDUCATION REQUIREMENTS.
9173005 1 MTWRF 8:40–10:00
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 141, MATH 181, MATH 181–182, MATH 185, MATH 186. CREDITS EARNED IN MATH 151 CANNOT BE APPLIED TOWARD GRADUATION BY MATH MAJORS. CREDITS EARNED IN MATH 150 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, MATH 182. CREDITS EARNED IN MATH 160 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 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.
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 WMN
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 COURSES MAY BE APPLIED TOWARD GRADUATION IF NO OTHER CALCULUS HAS BEEN TAKEN.
5139005 1 MTWRF 8:40–10:00
MEETS: MAY 18–JULY 10
5139015 2 MTWRF 11:00–12:20
MEETS: MAY 18–AUG 7
5139020 3 MTWRF 11:00–12:20
MEETS: JUNE 15–AUG 7
5139600 XW ARRANGED
MEETS: JUNE 15–AUG 7
Note: Section XW is off campus
Course delivery is WMN
Delivery fee $200.00

MATRCS/LINEAR ALGEB MATH 207 3 CREDITS
Prereq: 2 SEMESTERS OF CALCULUS
Note: CREDIT FOR MATH 207 OR MATH 337, 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
5031005 1 MTWRF 8:40–9:40
MEETS: MAY 18–JULY 10
5031010 2 MTWRF 8:40–9:40
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 WMN
Delivery fee $200.00

ELEM DIFF EQNATS 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.
FOR ONLY ONE OF THE FOLLOWING COURSES MAY BE APPLIED TOWARD GRADUATION: MATH 267, MATH 268. 266 OR 268 (MATH 266). 268.
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
MECHANICAL ENGINEERING

** ENGR THERMODYNAMS I **
** M E 231 **
*** 3 CREDITS ***
** Prereq: M E 166, CHEM 167, PHYS 221 ***
** Note: COURSE RESTRICTED TO M E MAJORS ONLY ***
** Credit for either M E 231 or M E 332, but not both ***
** May apply toward graduation ***

** 4877005 **
** 1 M T W R F 12:10-1:30 ***
** MEETS: MAY 18-JUNE 26 ***
** 4877006 **
** X W 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. KIM@IASTATE.EDU ***
** Department permission required. Section XW is off campus. Delivery fee $390.00 ***

** MANUFACTURING ENGR **
** M E 324 **
*** 3 CREDITS ***
** Prereq: M E 270, M E 324, M E 273, M E 342L ***
** Note: COURSE RESTRICTED TO M E, A E MAJORS ONLY ***

** 6277005 **
** 1 M T W R F 7:30-8:50 ***
** MEETS: JUNE 29-AUG 7 ***

** MFG ENGINEERING LAB **
** M E 324L **
*** 1 CREDIT ***
** Prereq: M E 270, M E 273 ***
** Note: COURSE RESTRICTED TO M E, A E MAJORS ONLY ***

** 4270005 **
** 1 T R 1:20-3:45 ***
** MEETS: MAY 18-JUNE 26 ***
** Note: COURSE RESTRICTED TO M E MAJORS ONLY ***

** ENGR THERMODYNAMS II **
** M E 332 **
*** 3 CREDITS ***
** Prereq: M E 231 ***
** Note: COURSE RESTRICTED TO M E MAJORS ONLY ***

** 4878005 **
** 1 M T W R F 12:10-1:30 ***
** MEETS: JUNE 29-AUG 7 ***
** 4878600 **
** X W ARRANGED ***
** MEETS: JUNE 29-AUG 7 ***
** Note: COURSE restRICTED to M E MAJORS ONLY ***
** Credit for either M E 231 or M E 330, but not both ***
** Requires M E 231 ***
** Prereq: M E 231 ***
** Note: COURSE RESTRICTED TO M E MAJORS ONLY ***
** Credit or enrollment in M E 332 ***
** Prereq: M E 231 ***
** Note: COURSE RESTRICTED TO M E MAJORS ONLY ***
** Credit or enrollment in M E 332 ***
** Prereq: M E 270, MAT E 273 ***

** 4878600 **
** X W ARRANGED ***
** MEETS: JUNE 29-AUG 7 ***
** Note: COURSE restRICTED to M E MAJORS ONLY ***
** Credit for either M E 267 or the M E 266,268 Pairs of Courses, but not both, may be applied toward graduation. Credit for only one of the following courses may be applied toward graduation: M E 266, M E 267, M E 269, M E 269X. Instructor permission required. ***
** Note: COURSE RESTRICTED TO M E, A E MAJORS ONLY ***
** Credit or enrollment in M E 332 ***
** Prereq: M E 270, MAT E 273 ***
** Note: COURSE RESTRICTED TO M E MAJORS ONLY ***
** Credit or enrollment in M E 332 ***

** SUMMER INTERNSHIP **
** M E 396 **
*** 1 CREDIT ***
** Prereq: PERMISSION OF DEPARTMENT AND ENGINEERING CAREER SERVICES ***
** Note: Satisfactory-Fail Only. ***
** See dept for reference numbers ***

** SYSTEMS OF DIFF EQNS **
** M E 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: M E 266, M E 267, M E 269, M E 269X. Instructor permission required. ***
** See dept for reference numbers ***

** ANALYSIS I **
** M A T H 414 **
*** 3 CREDITS ***
** Prereq: Grade of C- or Better in Math 201 ***

** UNDERGRAD THESIS **
** M A T H 491 **
*** 2-3 CREDITS ***
** Prereq: Course only offered for 3 credits summer 2020 ***
** Note: Course only offered for 3 credits during summer 2020 ***
** Department permission required. ***

** SEMINAR **
** M A T H 610 **
*** VAR. CREDITS ***
** Prereq: Course only offered for 2 credits summer 2020 ***
** Note: Course only offered for 2 credits during summer 2020 ***
** L H ARRANGED ***

** RESEARCH **
** M A T H 699 **
*** VAR. CREDITS ***
** Satisfactory-Fail Only. ***
** See dept for reference numbers ***

** MATH 540A **
*** 1 CREDIT ***
** Prereq: Enrollment in the Master of School Mathematics Program or Professional Studies in Education ***

** MATH 610 **
*** VAR. CREDITS ***
** Satisfactory-Fail Only. ***
** See dept for reference numbers ***

** SYST DYNAM 4CONTROL **
** 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. ***

** 631005 **
** 1 T R 2:30-4:55 ***
** MEETS: MAY 18-JUNE 26 ***
** 6310005 **
** 1 M W 2:30-4:55 ***
** MEETS: MAY 18-JUNE 26 ***
** 631010 **
** 2 T R 2:30-4:55 ***
** MEETS: MAY 18-JUNE 26 ***
** 6310010 **
** 2 M W 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 **
** 1 M T W R F 9:50-11:10 ***
** MEETS: JUNE 29-AUG 7 ***
** 5711005 **
** 1 T R 1:20-3:45 ***
** MEETS: JUNE 29-AUG 7 ***
** 5711002 **
** 2 M W 12:00-2:25 ***
** MEETS: JUNE 29-AUG 7 ***

** SECTION XW FOR OFF CAMPUS COURSE. Course delivery is WWW. **
MECHANICAL ENGINEERING (CONTINUED)

INDEPENDENT STUDY HONORS M.E. 490H  1-6 CREDITS
Prereq: PERMISSION OF INSTRUCTOR
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.

IND/STD THERMO-DYN M.E. 490J  1-6 CREDITS
Prereq: PERMISSION OF INSTRUCTOR
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.

IND/STD NUCLEAR ENGR M.E. 490M  1-6 CREDITS
Prereq: PERMISSION OF INSTRUCTOR

METEOROLOGY

INTRO WEATHER & CLIMATE MTEOR 206  3 CREDITS
Note: Section XM is off campus

COOPERATIVE EDUCATION MTEOR 299  1 CREDIT
Prereq: PERMISSION OF THE DEPT COOPERATIVE EDUCATION COORDINATOR; JUNIOR OR SR STANDING

COOPERATIVE EDUCATION MTEOR 398  1 CREDIT
Prereq: PERMISSION OF THE DEPT COOPERATIVE EDUCATION COORDINATOR; JUNIOR OR SR STANDING

COOPERATIVE EDUCATION MTEOR 321  1-2 CREDITS
Prereq: MTEOR 311; JR OR SR STANDING; PERMISSION OF THE DEPT COOPERATIVE EDUCATION COORDINATOR; JUNIOR OR SR STANDING

COOPERATIVE EDUCATION MTEOR 490A  1-3 CREDITS
Prereq: 6 CREDITS IN MTEOR; INSTRUCTOR PERMISSION
Note: NO MORE THAN 9 CREDITS IN MTEOR 490 MAY BE APPLIED TOWARD GRADUATION

COOPERATIVE EDUCATION MTEOR 490B  1-3 CREDITS
Prereq: 6 CREDITS IN MTEOR; INSTRUCTOR PERMISSION
Note: NO MORE THAN 9 CREDITS IN MTEOR 490 MAY BE APPLIED TOWARD GRADUATION

COOPERATIVE EDUCATION MTEOR 490C  1-3 CREDITS
Prereq: 6 CREDITS IN MTEOR; INSTRUCTOR PERMISSION
Note: NO MORE THAN 9 CREDITS IN MTEOR 490 MAY BE APPLIED TOWARD GRADUATION

COOPERATIVE EDUCATION MTEOR 490D  1-3 CREDITS
Prereq: 6 CREDITS IN MTEOR; INSTRUCTOR PERMISSION
Note: NO MORE THAN 9 CREDITS IN MTEOR 490 MAY BE APPLIED TOWARD GRADUATION

COOPERATIVE EDUCATION MTEOR 490E  1-3 CREDITS
Prereq: 6 CREDITS IN MTEOR; INSTRUCTOR PERMISSION
Note: NO MORE THAN 9 CREDITS IN MTEOR 490 MAY BE APPLIED TOWARD GRADUATION

COOPERATIVE EDUCATION MTEOR 490F  1-3 CREDITS
Prereq: 6 CREDITS IN MTEOR; INSTRUCTOR PERMISSION
Note: NO MORE THAN 9 CREDITS IN MTEOR 490 MAY BE APPLIED TOWARD GRADUATION

COOPERATIVE EDUCATION MTEOR 490G  1-3 CREDITS
Prereq: 6 CREDITS IN MTEOR; INSTRUCTOR PERMISSION
Note: NO MORE THAN 9 CREDITS IN MTEOR 490 MAY BE APPLIED TOWARD GRADUATION

COOPERATIVE EDUCATION MTEOR 490H  1-3 CREDITS
Prereq: 6 CREDITS IN MTEOR; INSTRUCTOR PERMISSION
Note: NO MORE THAN 9 CREDITS IN MTEOR 490 MAY BE APPLIED TOWARD GRADUATION

COOPERATIVE EDUCATION MTEOR 598  1 CREDIT
Prereq: PERMISSION OF THE DEPT COOPERATIVE EDUCATION COORDINATOR; JUNIOR OR SR STANDING

COOPERATIVE EDUCATION MTEOR 599  1 CREDIT
Prereq: PERMISSION OF THE DEPT COOPERATIVE EDUCATION COORDINATOR; JUNIOR OR SR STANDING

COOPERATIVE EDUCATION MTEOR 690A  1-3 CREDITS
Prereq: PERMISSION OF THE DEPT COOPERATIVE EDUCATION COORDINATOR; JUNIOR OR SR STANDING

COOPERATIVE EDUCATION MTEOR 690B  1-3 CREDITS
Prereq: PERMISSION OF THE DEPT COOPERATIVE EDUCATION COORDINATOR; JUNIOR OR SR STANDING

COOPERATIVE EDUCATION MTEOR 690C  1-3 CREDITS
Prereq: PERMISSION OF THE DEPT COOPERATIVE EDUCATION COORDINATOR; JUNIOR OR SR STANDING

COOPERATIVE EDUCATION MTEOR 690D  1-3 CREDITS
Prereq: PERMISSION OF THE DEPT COOPERATIVE EDUCATION COORDINATOR; JUNIOR OR SR STANDING

COOPERATIVE EDUCATION MTEOR 690E  1-3 CREDITS
Prereq: PERMISSION OF THE DEPT COOPERATIVE EDUCATION COORDINATOR; JUNIOR OR SR STANDING
METEROLOGY  (CONTINUED)

SPL TOPS 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  
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 METHODS 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 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: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

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  
7278005  1 ARRANGED  
MCGRAIL M  
MEETS: MAY 18-JULY 10  
RESEARCH MCDB 699 VAR. CREDITS  
******* SEE DEPT FOR REFERENCE NUMBERS

MUSIC

INTRO MUSIC LISTEN1 MUSIC 102  3 CREDITS  
Note: Meets international perspectives reqmt  
5406005  1 ARRANGED  
MEETS: MAY 18-JULY 10

5406600 WX ARRANGED  
MEETS: MAY 18-AUG 7  
TAM T  
Note: Section WX 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 PERMISSION, 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 PERMISSION, 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, INSTRUCTOR PERMISSION, 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 319B 1-3 CREDITS
Prereq: AUDITION, INSTRUCTOR PERMISSION, 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 STRINGS MUSIC 319D 1-3 CREDITS
Prereq: AUDITION, INSTRUCTOR PERMISSION, 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 VOICE MUSIC 319A 1-3 CREDITS
Prereq: AUDITION, INSTRUCTOR PERMISSION, 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 VOICE MUSIC 415A 1-4 CREDITS
Prereq: ADVANCED PROFESSIONAL COMPETENCY AND PERFORMING ABILITY, PERMISSION OF INSTRUCTOR
Note: COURSE ONLY OFFERED FOR 1-3 CREDITS SUMMER 2020
Applied Music fee $150.00-$190.00
******* SEE DEPT FOR REFERENCE NUMBERS

ADV ENSEMBLE MIXED MUSIC 321J 1 CREDIT
Prereq: ADVANCED PROFESSIONAL COMPETENCY AND PERFORMING ABILITY, PERMISSION OF INSTRUCTOR
******* SEE DEPT FOR REFERENCE NUMBERS

LIT&PEDAGOGY VOICE MUSIC 415A 1-4 CREDITS
Prereq: PERMISSION OF INSTRUCTOR
Note: COURSE ONLY OFFERED FOR 1-3 CREDITS SUMMER 2020
******* 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 JAZZ PERC MUSIC 415J 1-4 CREDITS
Prereq: PERMISSION OF INSTRUCTOR
******* SEE DEPT FOR REFERENCE NUMBERS

APPLIED MUSIC VOICE MUSIC 419A 1-3 CREDITS
Prereq: AUDITION, INSTRUCTOR PERMISSION, 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 STRINGS MUSIC 319F 1-3 CREDITS
Prereq: AUDITION, INSTRUCTOR PERMISSION, 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 WOODWIND MUSIC 319F 1-3 CREDITS
Prereq: AUDITION, INSTRUCTOR PERMISSION, 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 WOODWIND MUSIC 319G 1-3 CREDITS
Prereq: AUDITION, INSTRUCTOR PERMISSION, 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 WOODWIND MUSIC 319H 1-3 CREDITS
Prereq: AUDITION, INSTRUCTOR PERMISSION, 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 WOODWIND MUSIC 319I 1-3 CREDITS
Prereq: AUDITION, INSTRUCTOR PERMISSION, MUSIC MAJOR
Note: COURSE ONLY OFFERED FOR 1-2 CREDITS SUMMER 2020
Applied Music fee $150.00-$190.00
******* SEE DEPT FOR REFERENCE NUMBERS
<table>
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<th>COURSE</th>
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<th>CREDITS</th>
<th>PREREQUISITES</th>
<th>NOTES</th>
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<td>MUSIC 419B</td>
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<tr>
<td>INDEPENDENT STUDY MUSIC ED</td>
<td>NREM 490A</td>
<td>1-4</td>
<td>INSTRUCTOR PERMISSION, INSTRUCTOR PERMIS</td>
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<td>NREM 490D</td>
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<td>NREM 490E</td>
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1ST SS 2020

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 460, NRS 461
8974005 1 MTU 10:00-10:50
ARRANGED
MEETS: MAY 18-AUG 7

INDEPENDENT STUDY NRS 490 1-4 CREDITS
7566005 1 ARRANGED
MEETS: MAY 18-AUG 7

NUTRITIONAL SCIENCES

SHORT COURSE NUTRS 505 1 CREDIT
Prereq: PERMISSION OF INSTRUCTOR
7836005 1 MTRF 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

RESEARCH NUTRITIONAL SCI NUTRS 699 VAR. CREDITS
Satisfactory-Fail Only.
*** SEE DEPT FOR REFERENCE NUMBERS

ORGANIZATION FOR TROPICAL STUDIES

ECO TROPICAL BIOLOGY OTS 510 8 CREDITS
7535005 1 ARRANGED

TOPICS TROPICAL BIOL OTS 515 1-8 CREDITS
7544005 1 ARRANGED

PERFORMING ARTS

PERFORM ARTS INTERNSHIP PERF 310 R CREDIT
3677005 1 ARRANGED
MEETS: MAY 18-AUG 7

PERFORM ARTS SEMINAR PERF 401 2 CREDITS
3706005 1 ARRANGED
MEETS: MAY 18-JULY 10

PHILOSOPHY

MORAL THEOR & PRACTICE PHIL 230 3 CREDITS
5827600 XW ARRANGED
HOBSON K
MEETS: MAY 18-JULY 10
Note: Section XW is off campus
Course delivery is WW
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 TOWARDS GRADUATION
*** SEE DEPT FOR REFERENCE NUMBERS

INDEPENDENT STUDY HONORS PHIL 490H 1-4 CREDITS
Prereq: 6 CREDITS IN PHIL, PERMISSION OF INSTRUCTOR; APPROVAL OF CHAIR, MEMBERSHIP IN UNIV HONORS PROGRAM
Note: NO MORE THAN 9 CREDITS OF PHIL 490H MAY BE APPLIED TOWARDS GRADUATION. COURSE RESTRICTED TO HONORS PROGRAM STUDENTS ONLY
*** SEE DEPT FOR REFERENCE NUMBERS

GRADUATING SR SURVEY PHIL 492 R CREDIT
Note: COURSE RESTRICTED TO PHIL SENIORS GRADUATING 1’18
3891005 1 ARRANGED
MEETS: MAY 18-AUG 7

PHILOSTROPIC HISTORY PHIL 590A 2-4 CREDITS
Prereq: INSTRUCTOR PERMISSION, 9 CR IN PHIL
5850005 1 ARRANGED
MEETS: MAY 18-JULY 7

PHILOSOPHY (CONTINUED)

SPL TOPOLOGIC SCI PHIL 590D 2-4 CREDITS
Prereq: INSTRUCTOR PERMISSION, 9 CR IN PHIL
5853005 1 ARRANGED
MEETS: MAY 18-AUG 7

SPL TOP VALUE THRY PHIL 590C 2-4 CREDITS
Prereq: Instructor permission required.
5852005 1 ARRANGED
MEETS: MAY 18-AUG 7

SPL TOP LOGIC & SCI 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 required.
5852005 1 ARRANGED
MEETS: MAY 18-AUG 7

SPL TOPOLOGIC 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 MTW 9:00-10:50
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 MTWRF 12:10-1:10
MEETS: JUNE 15-AUG 7
Note: Materials and professional support fee $90.00
5857010 2 MTWRF 12:10-1:10
MEETS: JUNE 15-AUG 7
Note: Materials and professional support fee $90.00
5857015 3 MTWRF 12:10-1:10
MEETS: JUNE 15-AUG 7
Note: Materials and professional support fee $90.00
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
Note: Materials and professional support fee $90.00
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
MEETS: JUNE 15-AUG 7
Note: Materials and professional support fee $90.00
5858010 2 MTWRF 1:20-2:20
MEETS: JUNE 15-AUG 7
Note: Materials and professional support fee $90.00
5858105 A MW 9:50-12:00
MEETS: JUNE 15-AUG 7
Note: Materials and professional support fee $90.00
5858110 B MW 2:30-4:40
MEETS: JUNE 15-AUG 7
Note: Materials and professional support fee $90.00

INR CLASSICAL PHYSICS 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
MEETS: JUNE 15-AUG 7
Note: Materials and professional support fee $90.00
5861010 2 MTWRF 9:50-10:50
MEETS: JUNE 15-AUG 7
5861015 3 MTWRF 9:50-10:50
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
Note: Materials and professional support fee $90.00

5861115 C R 12:10-2:20
MEETS: JUNE 15-AUG 7
Note: Materials and professional support fee $90.00
PHYSICS

INT CLAS PHY II LAB PHYS 232L 1 CREDIT
Prereq: PHYS 221 OR 241, MATH 166. CREDIT OR ENROLLMENT IN PHYS 232L.
0615005 1 TR 8:40-10:50
MEETS: JUNE 18-AUG 7
0615010 2 TR 9:15-11:20
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
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 WED 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 490H 1- 4 CREDITS
Prereq: 6 CREDITS IN PHYS, PERMISSION 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, PERMISSION OF INSTRUCTOR
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 PATHOLOGY

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

PLANT PATHOLOGY

INDEP STUDY PLT PATH PL P 490A 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.
******* 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

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 406 OR PL P 416
5956005 1 ARRANGED
MEETS: MAY 18-AUG 7

THEIS4DIS 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
******* 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 STUDY THRY4METH 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 STUDY 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 STUDY 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 STUDY EXT CREDIT POL S 490E 1- 2 CREDITS
Prereq: 6 CREDITS IN POLITICAL SCIENCE
Note: NO MORE THAN 9 CREDITS OF POL S 490 MAY BE APPLIED TOWARD GRADUATION.
USE OF POL S 490 IN POL S MAJOR AND MINOR DEGREE REQUIREMENTS IS LIMITED. SEE UNDERGRADUATE STUDY SECTION OF CATALOG FOR DETAILS.
Instructor permission required 1st week.
******* SEE DEPT FOR REFERENCE NUMBERS

IND 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.
******* 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 OF POL S, INSTRUCTOR PERMISSION
Note: USE OF POL S 496 CREDIT IN POL S MAJOR AND MINOR DEGREE REQUIREMENTS IS LIMITED. SEE UNDERGRADUATE STUDY SECTION OF CATALOG FOR DETAILS.
Satisfactory-Fail Only.
******* SEE DEPT FOR REFERENCE NUMBERS
### Political Science (Continued)

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<tr>
<td>POL S 497</td>
<td>Research Internship</td>
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<td>MEETS: MAY 18-JUNE 26</td>
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<td>POL S 498</td>
<td>Cooperative Education</td>
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<td>MEETS: JUNE 15-AUG 7</td>
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<tr>
<td>POL S 499</td>
<td>Intro to Psychology</td>
<td>PSYCH 101</td>
<td>3 CREDITS</td>
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<td>POL SCI 499</td>
<td>Creative Component</td>
<td>POL S 599</td>
<td>VAR. CREDITS</td>
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<td>PSY</td>
<td>Intro to Psychology</td>
<td>PSYCH 101</td>
<td>3 CREDITS</td>
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<td>MEETS: MAY 18-JULY 10</td>
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### Psychology (Continued)

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<td>PSYCH 280</td>
<td>Social Psychology</td>
<td>3</td>
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<tr>
<td>PSYCH 291</td>
<td>Intro Resrch Expernc</td>
<td>1-4 CREDITS</td>
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<tr>
<td>PSYCH 310</td>
<td>Brain &amp; Behavior</td>
<td>3 CREDITS</td>
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<td>MEETS: JUNE 15-AUG 7</td>
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<td>PSYCH 315</td>
<td>Drugs &amp; Behavior</td>
<td>3 CREDITS</td>
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<td>PSYCH 310</td>
<td>Media Psychology</td>
<td>3 CREDITS</td>
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<td>MEETS: MAY 18-JULY 10</td>
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<td>PSYCH 440</td>
<td>Psych Measurement I</td>
<td>3 CREDITS</td>
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<td>MEETS: MAY 18-JULY 10</td>
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<td>PSYCH 460</td>
<td>Abnormal Psychology</td>
<td>3 CREDITS</td>
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<td>MEETS: MAY 18-JULY 10</td>
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<td>PSYCH 490</td>
<td>Independent Study</td>
<td>1-3 CREDITS</td>
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<td>PSYCH 490</td>
<td>Research Practice</td>
<td>1-3 CREDITS</td>
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<td>MEETS: MAY 18-JULY 10</td>
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<td>PSYCH 591</td>
<td>Research Practicum</td>
<td>1-3 CREDITS</td>
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<td>MEETS: MAY 18-JULY 10</td>
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### Other Courses

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<td>PSYCH 101</td>
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<td>Delivery fee $150.00</td>
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**Delivery fee $150.00**

**Course delivery is WWW**

**Instructor permission required 1st week.**

**Satisfactory-Fail Only.**

**Note: Course restricted to psychology majors. Minors are eligible to add this course, but must get an add slip signed in 5022 Lachapelle Hall.**
PUBLIC RELATIONS

STRATEG PLAN ADAP.R P R 301 3 CREDITS
Prereq: ADVRT 230 or P R 220
MEETS: MAY 18-JULY 10
Note: Section XW is off campus
Course delivery is WWW
Delivery fee $150.00

FER PRO MDIA INTERN:REQ P R 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.

FER PRO MDIA INTERN:OPT P R 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.

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 XW is off campus
Course delivery is WWW
Delivery fee $150.00

6346605 XV ARRANGED KRIER D
MEETS: MAY 18-JUNE 12
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 WW
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 WW
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 WW
Delivery fee $150.00

DEVIAN & 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 WW
Delivery fee $150.00

CRIM & JUV JUST PRAC SOC 460 3-12 CREDITS
Prereq: JR/SR CLASSIFICATION; PERMISSION 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 APPLIED TOWARD SOCIOLOGY REQUIREMENTS FOR SOCIOLOGY MAJORS.
Satisfactory-Fail Only.
6370005 1 ARRANGED
6370010 2 ARRANGED MEETS: MAY 18-AUG 7
Note: Sec 2 offered for 3-4 credits

INDEPENDENT STUDY GEN 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 12 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 PERMISSION OF INSTRUCTOR
Note: STUDENTS IN THE COLLEGE OF AGRICULTURE MAY APPLY NO MORE THAN 6 CREDITS OF SOC 490 TOWARD THE TOTAL OF 12 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

INDEPENDENT STUDY HONORS SOC 490H 1-3 CREDITS
Prereq: 6 CR IN SOC AND PERMISSION OF INSTRUCTOR, MEMBERSHIP IN UNIV HONORS PROGRAM
Note: STUDENTS IN THE COLLEGE OF AGRICULTURE MAY APPLY NO MORE THAN 6 CREDITS OF SOC 490 TOWARD THE TOTAL OF 12 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 CLASSIFICATION
****** SEE DEPT FOR REFERENCE NUMBERS

SPCL TOPICS RURAL SOC SOC 590B 1-3 CREDITS
Prereq: 6 CR IN SOC; SR OR GRADUATE CLASSIFICATION
****** SEE DEPT FOR REFERENCE NUMBERS

Masters RES GEN SOC SOC 599A 1-6 CREDITS
****** SEE DEPT FOR REFERENCE NUMBERS

Masters RSRC RURAL SOC SOC 599B 1-6 CREDITS
****** SEE DEPT FOR REFERENCE NUMBERS

RESEARCH GENERL SOC SOC 699A 1-8 CREDITS
****** SEE DEPT FOR REFERENCE NUMBERS

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 ENG
****** 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
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
Satisfactory-Fail Only.
****** SEE DEPT FOR REFERENCE NUMBERS

SPANISH INTERNSHIP SPAN 499 1-3 CREDITS
Prereq: 9 CREDITS OF SPAN AT 300 LEVEL; PERMISSION OF ADVISER AND WORLD LANGUAGES AND CULTURES INTERNSHIP COORDINATOR
Note: COURSE ONLY OFFERED FOR 3 CREDITS SUMMER 2020.
Tuition Category: Regents Summer Study Abroad

SPL TOP SPANISH LIT SPAN 590A 1-4 CREDITS
Prereq: PERMISSN 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 CIVILNZ SPAN 590D 1-4 CREDITS
Prereq: PERMISSN 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
Note: Department permission required 1st week.
****** SEE DEPT FOR REFERENCE NUMBERS

TCH EXCEPT SC GEN ED SP ED 501 3 CREDITS
Prereq: BACCAULAREATE DEGREE
2607005 1 F 5:30-8:30PM
S 8:00-4:00PM
MEETS: JUNE 5-27

FND BEHAV DIS&LRN D SP ED 511 3 CREDITS
Prereq: SP ED 501 OR EQUIVALENT
8694005 1 TUE 9:00-12:00PM
S 8:00-4:00PM
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
7663005 1 TUE 9:00-12:00PM
MEETS: MAY 18-JUNE 6
Note: SEC 1 MEETS MON-THURS ONLINE, SAT ON CAMPUS

CAREER SERVICES
SPEECH COMMUNICATION

FIND PUBLIC SPEAKING SP CM 212 3 CREDITS
Prereq: SP CM 212

GLSRM&WORKSHOP COMM SP CM 313 3 CREDITS
Prereq: SP CM 212

INDEPENDENT STUDY SP CM 490 1-3 CREDITS
Prereq: 18 CREDITS IN SP CM, JUNIOR CLASSIFICATION, PERMISSION OF PROGRAM DIRECTOR.

COMMUNIC INTERNSHIP SP CM 499 1-3 CREDITS
Prereq: 18 CREDITS IN SP CM COURSES, OTHER COURSES

SPECIAL TOPICS SP CM 590 1-4 CREDITS
Prereq: PERMISSION OF PROGRAM DIRECTOR.

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

Note: Not for students majoring in the Statistics Minor.

Note: Instructor permission required 1st week.

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, BUSOM, ECON, EMSP, FIN, INT BUS,
MGT, MIS, MGT, PUB BUS, SOC, AG & MAJORS ONLY.

Cooperative education STAT 398 R CREDIT
Prereq: PERMISSION OF DEPARTMENT CHAIR

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

INDIEP 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

Note: SEE DEPT FOR REFERENCE NUMBERS

STATs (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

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, BUSOM, ECON, EMSP, FIN, INT BUS,
MGT, MIS, MGT, PUB BUS, SOC, AG & MAJORS ONLY.

CREATIVE COMPONENT STAT 599 VAR. CREDITS
satisfactory-fail only.

Note: 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 is restricted to ACCT, ACSCI, AG B, AG SO, AST, BU AN, BUS S, BUS U, BUSEC, ENTSP, FIN, I TEC, MGMT, MIS, MGT, P BUS, SCM. Sect A is a hybrid course that will meet in a classroom Tuesdays and Thursdays 12:10-2:10 P.M. with the remaining of the course content delivered online. Online represented by arranged.

TECHNOLOGY SYSTEMS MANAGEMENT

TECHNOLOGY INTERNSHIP TSM 397 R CREDIT
Prereq: At least 45 credits of coursework, classification in ASTR or I TEC major, approval of internship coordinator. Satisfactory-Fail Only.
******* SEE DEPT FOR REFERENCE NUMBERS

WORK EXPERIENCE TCHNL TSM 399 2 CREDITS
Prereq: TSM 497 in the preceding semester, approval of internship coordinator
Note: No more than 4 credits of TSM 399 may be applied toward the total credits required for graduation
******* SEE DEPT FOR REFERENCE NUMBERS

INDEPENDENT STUDY SCM 490 1-3 CREDITS
Prereq: SCM 301, senior classification, instructor permission
Note: Course open to P BUS majors
******* SEE DEPT FOR REFERENCE NUMBERS

SPECIAL TOPICS SCM 590 1-3 CREDITS
Prereq: Grad classification, instructor permission
******* SEE DEPT FOR REFERENCE NUMBERS

RESEARCH PRACTICUM I SCM 650 1 CREDIT
Prereq: Enrollment in the Ph.D program
******* SEE DEPT FOR REFERENCE NUMBERS

RESEARCH PRACTICUM II SCM 651 1 CREDIT
Prereq: Enrollment in the Ph.D program
******* SEE DEPT FOR REFERENCE NUMBERS

SUSTAINABLE AGRICULTURE

SPECIAL TOPICS SUSAG 590 1-3 CREDITS
Prereq: Grad classification, instructor permission
******* SEE DEPT FOR REFERENCE NUMBERS

CREATIVE COMPONENT SUSAG 599 VARS. CREDITS
******* SEE DEPT FOR REFERENCE NUMBERS

RESEARCH SUSAG 699 VARS. 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 CLQ III SUS E 513 3 CREDITS
Prereq: SUS E 510, SUS E 512, 5901005 1 TR 8:40-12:00
MEETS: JUNE 15-AUG 7
Note: Topic: Colloquium II

TECHNOLOGY SYSTEMS MANAGEMENT

INDEPENDENT STUDY HONORS TSM 490H 1-4 CREDITS
Prereq: Junior or senior classification, instructor permission, completion of independent study contract and approval by department
Note: No more than 4 credits of TSM 490H may be used toward the total of 128 credits required for graduation.
******* SEE DEPT FOR REFERENCE NUMBERS

IND STU MANUFACTRG TSM 490I 1-4 CREDITS
Prereq: Junior or senior classification, instructor permission, completion of independent study contract and approval by department
Note: No more than 4 credits of TSM 490I may be used toward the total of 128 credits required for graduation.
******* SEE DEPT FOR REFERENCE NUMBERS

IND STU BIOSYS MGT TSM 490J 1-4 CREDITS
Prereq: Junior or senior classification, instructor permission, completion of independent study contract and approval by department
Note: No more than 4 credits of TSM 490J may be used toward the total of 128 credits required for graduation.
******* SEE DEPT FOR REFERENCE NUMBERS

IND STU MACHIN SYS TSM 490M 1-4 CREDITS
Prereq: Junior or senior classification, instructor permission, completion of independent study contract and approval by department
Note: No more than 4 credits of TSM 490M may be used toward the total of 128 credits required for graduation.
******* SEE DEPT FOR REFERENCE NUMBERS

IND STU OCCUP SAFET TSM 490O 1-4 CREDITS
Prereq: Junior or senior classification, instructor permission, completion of independent study contract and approval by department
Note: No more than 4 credits of TSM 490O may be used toward the total of 128 credits required for graduation.
******* 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 regmnt
9387000 FR ARRANGED
ROSENTRATER K
MEETS: MAY 11-30
Note: SEC FR TAUGHT IN FRANCE, PARIS AREA, TITLE: CATHEDRALS, CASTLES, CULUTRE & CUISINE- SAFE & NUTRITIOUS FOOD IN FRANCE. STUDY ABROAD SUMMER 2020. OFFERED FOR 1 CREDIT Study Abroad Administration 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 TOP 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

Note: No more than 4 credits of TSM 399 may be applied toward the total credits required for graduation.

Note: Approval of internship coordinator

Note: Approval of department

Note: Approval of major prof

Note: Approval of independent study contract

Note: Approval of department

Note: Approval of independent study contract

Note: Approval of independent study contract
THE TECHNOLOGY SYSTEMS MANAGEMENT (CONTINUED)

THE TECHNOLOGY INTERNSHIP TSM 697 R CREDIT
PreReq: PERMISSION OF MAJOR PROFESSOR AND
APPROVAL BY DEPARTMENT CHAIR, GRAD CLASSIFICATION
Satisfactory-Fail Only.
4646005 1 ARRANGED
MEETS: MAY 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 SCHAEFER K
Note: Section XW is off campus
Course delivery is WWW
Study Abroad Administrative Fee Applies

SPECIAL TOPICS

THEATRE PRACTICUM THTRE 469 1-3 CREDITS
PreReq: 9 CR IN THEATRE COURSES, JR CLASSIFICATION
****** SEE DEPT FOR REFERENCE NUMBERS

INDEPENDENT STUDY THTRE 490 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 1-4 CREDITS
PreReq: APPROVED WRITTEN PROPOSAL
Note: Permission of department chair required.
****** SEE DEPT FOR REFERENCE NUMBERS

TRANSPORTATION

CREATIVE COMPONENT TRANS 599 1-3 CREDITS
PreReq: FRE-ENROLLMENT CONTRACT REQUIRED
4160005 1 ARRANGED
MEETS: MAY 18-AUG 7
RESEARCH TRANS 699 VAR. CREDITS
****** SEE DEPT FOR REFERENCE NUMBERS

U.S. LATINO/A STUDIES

TOP LATIN AM REGIONAL US LS 323D 3 CREDITS
PreReq: ANTH 201 OR ANTH 306 RECOMMENDED
Note: Meets international perspectives reqmt
6661800 BZ ARRANGED SOMERVILLE A
MEETS: MAY 11-24
Note: SEC BE TAUGHT IN BELIZE. TOPIC: FROM JUNGLE TO BEACH: THE TROPICAL ECOLOGY, MARINE BIOLOGY, & CULTURAL DIVERSITY OF BELIZE.
STUDY ABDROAD SUMMER 2020
Study Abroad Administrative Fee Applies
LATINO/O HISTORY US LS 372 3 CREDITS
PreReq: US LS 211 OR PERMISSION OF PROGRAM DIRECTOR
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 11:30-2:00
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 PROFOSST
Note: PERMISSION OF ASSOC PROFOSST 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 STDG URB D 502 6 CREDITS
3863005 1 MWR 9:00-1:00
MEETS: MAY 18-JULY 10
URBANISM RESEARCH URB D 513 3 CREDITS
PreReq: URB D 502
6062005 1 F 9:00-12:15
TR 9:00-1:00
MEETS: MAY 18-JULY 10
Note: FRIDAY MEETINGS MAY 20-JUNE 14.
TUESDAY AND FRIDAY MEETINGS JUNE 17-JULY 12.
FUNDATN S URBN DSN URB D 521 3 CREDITS
PreReq: URB D 502
4020005 1 ARRANGED
MEETS: MAY 18-JUNE 12
Note: TOPIC: FOUNDATIONS OF URBAN DESIGN
Course delivery is WWW
SPL TOP URBAN DESIGN URB D 590X 1-3 CREDITS
PreReq: GRADUATE STANDING
****** SEE DEPT FOR REFERENCE NUMBERS

VET DIAGNOSTIC & PRODUCTION AN MED

PRECP:MDIX FD AN MED VDPAM 420A 1-6 CREDITS
PreReq: 4TH YEAR CLASSIFICATION IN V MED
9072005 1 ARRANGED
PRECP PRD AN:MDX VDPAM 420B 1-6 CREDITS
PreReq: 4TH YEAR CLASSIFICATION IN V MED
5207005 1 ARRANGED
PRECP FTDX AN:GOVT VDPAM 420C 1-6 CREDITS
PreReq: 4TH YEAR CLASSIFICATION IN V MED
5210005 1 ARRANGED
PRECP PRD AN: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 TOWARDS GRADUATION.
9110005 1 ARRANGED
GPVET:SHMEANING VDPAM 421R 1 CREDIT
PreReq: 4TH-YEAR CLASSIFICATION IN V MED;
ABILITY TO PROVIDE OWN TRANSPORTATION TO EACH SITE
9793005 1 ARRANGED
CLIN EMBRYO TRANSF VDPAM 451 2 CREDITS
PreReq: VDPAM 351; FOURTH YEAR CLASSIFICATION IN V MED
4334005 1 ARRANGED
ANIM WELFARE CLINIC VDPAM 465 2 CREDITS
PreReq: 4TH-YEAR CLASSIFICATION IN V MED
9642005 1 ARRANGED
MEETS: MAY 18-AUG 7
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

FOOD ANACAM FLDSRV 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 ANACAM MEDSURG VDPAM 477 2 CREDITS
Prereq: FOURTH-YEAR CLASSIFICATION IN V MED
8909005 1 MTWRF 8:00-5:00

SWINE PHARMAC TREAT VDPAM 478B 2 CREDITS
Prereq: VDPAM 310
0379005 1 ARRANGED

RESEARCH VEPAM 699 VAR. CREDITS
Pre req: ENROLLMENT IN NONTHESIS MASTER'S DEGREE
PROGRAM
******** SEE DEPT FOR REFERENCE NUMBERS

VETERINARY CLINICAL SCIENCES

ONC OLOGY V C S 409 2 CREDITS
Pre req: FOURTH-YEAR CLASSIFICATION IN VET MED,
Note: COURSE ONLY OFFERED FOR 2 CREDITS SUMMER 2020
9213005 1 MTWRF 8:00-5:00

PRACTICUM V C S 420 R CREDIT
Pre req: FOURTH-YEAR CLASSIFICATION IN VET MED,
PERMISSION OF INSTRUCTOR
Satisfactory-Fail Only.
4548005 1 ARRANGED

PR ECEPTOR COMPANION V C S 419A 2-6 CREDITS
Pre req: FOURTH-YEAR CLASSIFICATION IN VET MED,
PERMISSION OF DEPARTMENT CURRICULUM COMMITTEE
3695005 1 MTWRF 8:00-5:00

MEETS: MAY 18-AUG 7

CLINICAL PATHOLOGY V C S 417 2 CREDITS
Pre req: FOURTH-YEAR CLASSIFICATION IN VET MED,
PERMISSION OF INSTRUCTOR
Satisfactory-Fail Only.
3782005 1 ARRANGED

MEETS: MAY 18-AUG 7

INDEPENDENT STUDY VDPAM 490 1-5 CREDITS
Pre req: PERMISSION OF DEPARTMENT CHAIR
Note: Permission of instructor required. Process
Satisfactory-Fail Only.
7984005 1 ARRANGED

MEETS: MAY 18-AUG 7

SM ANIMAL SHELTER MED V C S 437 2 CREDITS
Pre req: FOURTH-YEAR CLASSIFICATION IN VET MED
9744005 1 MTWRF 8:00-5:00

CYNICAL REHABILITATN V C S 441 2 CREDITS
Pre req: FOURTH-YEAR CLASSIFICATION IN VET MED
9232005 1 MTWRF 8:00-5:00

CLINICAL NEUROLOGY V C S 446 2 CREDITS
Pre req: FOURTH-YEAR CLASSIFICATION IN VET MED
5112005 1 MTWRF 8:00-5:00

CLINICAL DERMATOLOGY V C S 447 2 CREDITS
Pre req: FOURTH-YEAR CLASSIFICATION IN VET MED
5312005 1 MTWRF 8:00-5:00

SM ANIMAL M EDICAL MEDICINE V C S 450 2 CREDITS
Pre req: FOURTH-YEAR CLASSIFICATION IN VETERINARY
MEDICINE, COMPLETION OF V C S 405 AND/OR V C S 406X,
OR PERMISSION OF INSTRUCTOR.

SM ANIMAL MED I V C S 453 2 CREDITS
Pre req: FOURTH-YEAR CLASSIFICATION IN VET MED,
PERMISSION OF INSTRUCTOR
6890005 1 MTWRF 8:00-5:00

SM ANIMAL MED II V C S 454 2 CREDITS
Pre req: FOURTH-YEAR CLASSIFICATION IN VET MED,
PERMISSION OF INSTRUCTOR
6891005 1 MTWRF 8:00-5:00

SM ANIMAL MED III V C S 455 2 CREDITS
Pre req: FOURTH-YEAR CLASSIFICATION IN VET MED,
PERMISSION OF INSTRUCTOR
6892005 1 MTWRF 8:00-5:00

SM ANIMAL MED IV V C S 456 2 CREDITS
Pre req: FOURTH-YEAR CLASSIFICATION IN VET MED,
PERMISSION OF INSTRUCTOR
6893005 1 MTWRF 8:00-5:00

EQUINE MEDICINE V C S 457 2 CREDITS
Pre req: FOURTH-YEAR CLASSIFICATION IN VET MED
6894005 1 MTWRF 8:00-5:00

EQUINE SURGERY V C S 458 2 CREDITS
Pre req: FOURTH-YEAR CLASSIFICATION IN VET MED
Note: COURSE RESTRICTED TO 4TH YEAR VET MED STUDENTS
6895005 1 MTWRF 8:00-5:00

SM ANIMAL MEDICAL MEDICINE V C S 459A 2 CREDITS
Pre req: FOURTH-YEAR CLASSIFICATION IN VET MED
4050005 1 MTWRF 8:00-5:00

SM ANIMAL MEDICAL MEDICINE V C S 459B 2 CREDITS
Pre req: FOURTH-YEAR CLASSIFICATION IN VET MED
4107001 1 MTWRF 8:00-5:00

SM ANIMAL MEDICAL MEDICINE V C S 459C 2 CREDITS
4313015 1 ARRANGED

SM ANIMAL MEDICAL MEDICINE V C S 459D 2 CREDITS
6542005 1 MTWRF 8:00-5:00

SM ANIMAL MEDICAL MEDICINE V C S 459E 2 CREDITS
6596005 1 MTWRF 8:00-5:00

PRIMARY CARE V C S 463 2 CREDITS
Pre req: FOURTH-YEAR CLASSIFICATION IN VET MED,
Note: COURSE RESTRICTED TO 4TH YEAR VET MED STUDENTS
2322005 1 MTWRF 8:00-5:00

RADIOLOGY V C S 460 2 CREDITS
Pre req: FOURTH-YEAR CLASSIFICATION IN VET 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
Pre req: FOURTH-YEAR CLASSIFICATION IN VET MED,
Note: COURSE RESTRICTED TO 4TH YEAR VET MED STUDENTS
2322005 1 MTWRF 8:00-5:00
1ST SS 2020

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 V 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
6988005  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
Note: Course restricted to 4th year vet med students
6902005  1 MTWRF 8:00-5:00

CMPRTV ANIM REPROG 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

EQUINE REPRODUCTION V C S 471E  2 CREDITS
Prereq: FOURTH-YEAR CLASSIFICATION IN V MED
Note: Permission of instructor required. Process approved add slip in 2270A Vet Med.
8598005  1 MTWRF 8:00-5:00

SML ANIM REPRODUCTN V C S 471S  2 CREDITS
Prereq: FOURTH-YEAR CLASSIFICATION IN V MED
Note: Permission of instructor required. Process approved add slip in 2270A Vet Med.
8613005  1 MTWRF 8:00-5:00

VET CARDIOLOGY 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

INTENSVT&CRITCL CARE V C S 478  2 CREDITS
Prereq: FOURTH-YEAR CLASSIFICATION IN V MED
Note: Department permission required.
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 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.
8729005  1 MTWRF 8:00-1:00
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
Satisfactory-Fail Only.
****** SEE DEPT FOR REFERENCE NUMBERS

INT’L PRECEPTORSHP 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

SPL 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 MICROBIOLOGY & PREV MED

PUBLIC HEALTH LAB V PM 486  2 CREDITS
Prereq: FOURTH-YEAR CLASSIFICATION IN V MED
6951005  1 MTWRF 8:00-12:00

INDEPENDENT STUDY V PM 490 VAR. CREDITS
Prereq: PERMISSION OF INSTRUCTOR
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 PM 590  1-5 CREDITS
Prereq: PERMISSION OF INSTRUCTOR
Note: Instructor permission required.
****** SEE DEPT FOR REFERENCE NUMBERS

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

VETERINARY PATHOLOGY

NECROPSY LAB PRACTN 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 PARASITOLO V PTH 476X  1-2 CREDITS
Prereq: V PTH 376, 4TH YEAR CLASSIFICATION IN V MED
Note: Course restricted to 4th year vet med students
0567005  1 MTWRF 8:00-5:00

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 PARASITOLOG LAB V PTH 548  1-3 CREDITS
Prereq: 376 OR 376
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.
7499005  1 ARRANGED
MEETS: MAY 18-AUG 7

POSTMOR PT 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
****** 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)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Credits</th>
<th>Prerequisites</th>
</tr>
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<tbody>
<tr>
<td>VPTH 590D</td>
<td>SP Top Vet Clin PTH</td>
<td>1-4</td>
<td>Permission of Instructor</td>
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<tr>
<td>VPTH 590E</td>
<td>Special Topics VPTH</td>
<td>1-4</td>
<td>Permission of Instructor</td>
</tr>
<tr>
<td>VPTH 599A</td>
<td>CRTV CMP Vet Pathol</td>
<td>VAR.</td>
<td>Permission of Instructor</td>
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<td>VPTH 599B</td>
<td>CRTV CMP Vet Paras</td>
<td>VAR.</td>
<td>Permission of Instructor</td>
</tr>
<tr>
<td>VPTH 599D</td>
<td>CRTV CMP V Clin PTH</td>
<td>VAR.</td>
<td>Permission of Instructor</td>
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<td>VPTH 605</td>
<td>Curr Topics Seminar</td>
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<tr>
<td>VPTH 606A</td>
<td>Diag Interp V Path</td>
<td>R</td>
<td>Permission of Instructor</td>
</tr>
<tr>
<td>VPTH 606B</td>
<td>Diag Interp V Paras</td>
<td>R</td>
<td>Permission of Instructor</td>
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<tr>
<td>VPTH 606C</td>
<td>Diag Interp V Tox</td>
<td>R</td>
<td>Permission of Instructor</td>
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<tr>
<td>VPTH 606D</td>
<td>Diag Interp Clin PTH</td>
<td>R</td>
<td>Permission of Instructor</td>
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<td>VPTH 679</td>
<td>Histopath Lab Animl</td>
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<td>VPTH 699A</td>
<td>Vet Pathol Resch</td>
<td>VAR.</td>
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<td>VPTH 699B</td>
<td>Vet Parasitolgy Res</td>
<td>VAR.</td>
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<tr>
<td>VPTH 699D</td>
<td>Vet Clin Path Resch</td>
<td>VAR.</td>
<td>Permission of Instructor</td>
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</table>

### Women’s and Gender Studies (Continued)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Credits</th>
<th>Prerequisites</th>
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<tbody>
<tr>
<td>WGS 491</td>
<td>Internship</td>
<td>1-3</td>
<td>Junior or Senior Classification</td>
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<tr>
<td>WGS 499</td>
<td>Senior Thesis</td>
<td>3</td>
<td>Senior Classification</td>
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<tr>
<td>WGS 590</td>
<td>Special Topics WGS</td>
<td>VAR.</td>
<td>Permission of Women’s and Gender Studies Program Director</td>
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### World Languages and Cultures

<table>
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<th>Course Code</th>
<th>Course Name</th>
<th>Credits</th>
<th>Prerequisites</th>
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<tbody>
<tr>
<td>WLC 119</td>
<td>Intro World Lang</td>
<td>3</td>
<td>Meets International Perspectives Requirement</td>
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</table>

### Independent Study

<table>
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<th>Course Code</th>
<th>Course Name</th>
<th>Credits</th>
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<tbody>
<tr>
<td>WGS 490</td>
<td>Independent Study</td>
<td>1-3</td>
<td>Any two courses in WGS</td>
</tr>
</tbody>
</table>

Note: No more than 6 credits of WGS 490 may be applied toward requirements for the WGS major.

Department permission required.