NRES 101  Wildlife Conserv 21st Century  credit: 3 hours.
This course is an introduction to the conservation, diversity and ecology of animals. The diversity of fish, reptiles, amphibians, mammals, and birds both around the world and in Illinois will be explored. The course will have a strong conservation component where students are introduced to a variety of threats facing animals. The students will be introduced to how to manage sustainable wildlife populations. The students will be exposed to current issues in Illinois to illustrate how people and animals can co-occur and a broad overview of the management, restoration, and conservation techniques.

<table>
<thead>
<tr>
<th>CRN</th>
<th>Type</th>
<th>Section</th>
<th>Time</th>
<th>Days</th>
<th>Location</th>
<th>Instructor</th>
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<tbody>
<tr>
<td>60210</td>
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<td>-</td>
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</tr>
</tbody>
</table>

This is an online course taught on Compass. There are no classroom sessions. However, you must be present for two evening exams 6:30-8:30 pm one in mid-April and another in early-May (specific dates TBD). If all seats are full, complete the form at http://go.illinois.edu/NRESwaitinglist to be added to the waiting list.

NRES 102  Introduction to NRES  credit: 3 hours.
Introduction to natural resources (forests, fisheries, soils, aquatic systems) and environmental science. Emphasizes renewable natural resources, ecological concepts, energy use, biodiversity of species, biogeochemical cycles, and air, water, and soil pollution. Provides natural science basis for understanding contemporary environmental issues and natural resource management. Credit is not given for both NRES 100 and NRES 102.

<table>
<thead>
<tr>
<th>CRN</th>
<th>Type</th>
<th>Section</th>
<th>Time</th>
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<td>-</td>
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</tbody>
</table>

Not intended for students in the Natural Res & Env Sci department.
Not intended for Natural Resrcs & Environ Sci major(s).
This is an online course taught on Compass for non-NRES majors. There are no classroom sessions. However, you must be present for evening exams at 7:00 pm two dates to be determined in April, as well as a final exam during finals week.

NRES 108  Env Sc & Nat Resource Careers  credit: 1 hours.
Explores career options in the fields of Natural Resource Management and Environmental Sciences. Students will improve understanding of their career goals, expand their knowledge of careers available in these fields, improve their job searching skills, and develop a plan for pursuing a career. Approved for S/U grading only.

<table>
<thead>
<tr>
<th>CRN</th>
<th>Type</th>
<th>Section</th>
<th>Time</th>
<th>Days</th>
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</table>

Meets 14-Jan-19 - 08-Mar-19.
Restricted to Natural Resrcs & Environ Sci major(s).
This is an online, asynchronous course designed specifically for undergraduate NRES majors. There are weekly assignments with due dates but no specific meeting time. If all seats are full, complete the form at http://go.illinois.edu/NRESwaitinglist to be added to the waiting list.

<table>
<thead>
<tr>
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<th>Type</th>
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Meets 14-Jan-19 - 08-Mar-19.
Restricted to BSLAS: Earth,Soc,Env,Sust-UIUC or BSLAS: ESES Online - UIUC.
This section is restricted ONLINE undergraduate students pursuing the bachelor's degree in Earth, Society and Environmental Sustainability or the online ENSU certificate. There are weekly assignments with due dates but no specific meeting time. If all seats are full, complete the form at http://go.illinois.edu/NRESwaitinglist to be added to the waiting list.

**NRES 199  Undergraduate Open Seminar  credit: 1 TO 5 hours.**

Experimental course on a special topic in natural resources and environmental sciences. Topic may not be repeated except in accordance with the Code. May be repeated in the same or subsequent terms. No more than 12 hours may be counted toward graduation.

<table>
<thead>
<tr>
<th>CRN</th>
<th>Type</th>
<th>Section</th>
<th>Time</th>
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<tr>
<td>57253</td>
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<td>ESJ</td>
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Credit Hours: 3 hours
Environment and Social Justice
This course is designed to expose students to a diverse array of voices from across the Environmental Justice spectrum. We will primarily focus on questions across four thematic areas: (1) Emergence of a Justice Movement, (2) Theories and Concepts in Environmental Justice, (3) An Expanding Environmental Justice Framework, and (4) Environmental Justice Goes Global.

**NRES 201  Introductory Soils  credit: 4 hours.**

The nature and properties of soil including origin, formation, and biological, chemical, and physical aspects. Prerequisite: Successful completion of MATH 234, or equivalent and CHEM 102 is required. CHEM 104 is recommended.

Students must register for one lab and one lecture section.

<table>
<thead>
<tr>
<th>CRN</th>
<th>Type</th>
<th>Section</th>
<th>Time</th>
<th>Days</th>
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<td>W109 - Turner Hall</td>
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</tbody>
</table>
If all seats are full, complete the form at http://go.illinois.edu/NRESwaitinglist to be added to the waiting list.

NRES 210  **Environmental Economics**  credit: 3 hours.
Same as ACE 210, ECON 210, ENVS 210, and UP 210. See ACE 210.
This course satisfies the General Education Criteria for a: Social & Beh Sci - Soc Sci

<table>
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<tr>
<th>CRN</th>
<th>Type</th>
<th>Section</th>
<th>Time</th>
<th>Days</th>
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NRES 220  **Communicating Agriculture**  credit: 3 hours.
Same as AGCM 220 and ENVS 220. See AGCM 220.
This course satisfies the General Education Criteria for a: Advanced Composition

<table>
<thead>
<tr>
<th>CRN</th>
<th>Type</th>
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Advanced Composition course.

NRES 223  **Watching the Environment**  credit: 3 hours.
Same as MDIA 223. See MDIA 223.
This course satisfies the General Education Criteria for a: Social & Beh Sci - Soc Sci
NRES 242  **Nature and American Culture**  credit: 3 hours.
Same as LA 242 and RST 242. See RST 242.
This course satisfies the General Education Criteria for a:
Cultural Studies - Western

NRES 285  **Field Experience**  credit: 1 OR 2 hours.
Field based course that exposes students to procedures and methods used in various resource settings in a hands-on manner. Includes weekly field trips to visit representative natural resource and environmental science settings with supporting laboratory exercises. Content of offerings vary by section, but all focus on resource management, environmental quality and assessment, and effects of consumption and use on the environment. Field trips required. Additional fees may apply. See Class Schedule. May be repeated in the same or subsequent semesters to a maximum of 6 hours. Prerequisite: NRES 201 and NRES 219.
<table>
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<td>Morgan, S Schooley, R</td>
</tr>
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</table>

**Credit Hours:** 1 hours  
Communities & Wildlife Conserv  
Instructor Approval Required  

WILDLIFE CONSERVATION AND COMMUNITIES - BOTSWANA  
This collaboration between NRES and Wildtrax presents students with classroom instruction and a hands-on research experience through a 3-week summer module on Communities & Wildlife Conservation Research Field Training Studies in Botswana (July 21-August 10, 2019). Students will attend class during spring semester, and begin the summer module with a 1 week lecture series to better prepare them for their time as being part of a research team. After the course work, students will head into the wilderness join the research camp. The student's time in the field will include fulfilling the objectives of the two main research focuses of Wildtrax's partners, Wildlife ACT: implementing a standardized biodiversity monitoring protocol for Botswana's Department of Wildlife & National Parks and conducting human-wildlife conflict studies and implementing mitigation strategies with the University of Botswana's Okavango Research Institute. Students will play an active role in the research from project design, to data collection and implementation and will gain valuable skills and knowledge to equip them for their future. See https://app.studyabroad.illinois.edu/index.cfm?FuseAction=Programs.ViewProgram&Program_ID=11117 for more information. Students should also enroll in NRES 293 section CIB (CRN: 24238). STUDY ABROAD FEES APPLY.

<table>
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<td>59157</td>
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<td>1024 - Foreign Languages Building Nelson, S</td>
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</table>

**Credit Hours:** 2 hours  
Environmental Ed Field Exper  
Restricted to Natural Resrcs & Environ Sci major(s). Restricted to students with Sophomore, Junior, or Senior class standing.  
Environmental Education Field Experience will introduce students to the thinking process required for developing high quality environmental education activities and provide practice designing and implementing them. The course will begin with classroom instruction and activities for the first few weeks of the semester. The field experience for this course will take two forms, leading an Environmental Science after school club at an Urbana elementary school once a week for eight weeks (February-April) and delivering an environmental education activity on Friday and Saturday of ExploreACES (March 8 and 9). There is no fee for this section of NRES 285. If all seats are full, complete the form at http://go.illinois.edu/NRESwaitinglist to be added to the waiting list.

<table>
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<tr>
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<tr>
<td>48840</td>
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<td>R</td>
<td>S509 - Turner Hall Crawford, J Guyon, L Sloan, J</td>
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</table>

**Credit Hours:** 2 hours  
Lrg River Floodplain Field Exp  
Restricted to Natural Resrcs & Environ Sci major(s). Restricted to students with Junior or Senior class standing.  
Section LRF: Large River Floodplain Field Experience. This course will meet April 4, 11, 18, and 25th for classroom instruction and will culminate in a field experience from May 13th to 17th at the National Great Rivers Research and Education Center (NGRREC) in East Alton, IL. The National Great Rivers Research and Education Center, located at the confluence of the Mississippi, Illinois, and Missouri Rivers, is offering this one-week summer field course focused on large river floodplain ecology. Students will work directly in large river floodplain ecosystems, which generally consist of a mosaic of land and water containing bottomland forests, grasslands, islands, backwaters, sloughs, side channels, and wetlands. Students will learn how historic management practices have impacted these river systems, and how current science-based approaches to management and ecological restoration are impacting river health and sustainability. Monitoring the biological and physical components of riverine habitats is a key part of this process, and students will become familiar with the types of quantitative assessments common to the field of river ecology. This section has a field trip fee of $100 that will be charged to the student account. Students are responsible for their own transportation to and from East Alton at the beginning and end of the field experience. Students wishing to register should email nres-ssc@illinois.edu
requesting a time conflict override and include the CRN (48840) and their UIN. If all seats are full, complete the form at http://go.illinois.edu/NRESwaitinglist to be added to the waiting list.

ACES Field Trip $100.00 Flat Fee.

<table>
<thead>
<tr>
<th>CRN</th>
<th>Type</th>
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<th>Time</th>
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<td>-</td>
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</table>

Credit Hours: 2 hours
Methods in Stream Ecology
This field course will cover basic field methods in stream ecology used by managers and researchers to characterize the abiotic and biotic conditions of streams and rivers. We will contrast physical habitat and benthic stream communities (i.e., invertebrate) between forested, agricultural, and urban streams of southern Illinois. Students will collect field data, process laboratory samples, analyze results, and report their findings in an in-class presentation over a one week duration at the Dixon Springs Agricultural Center (DSAC), May 11-15, 2019 (transportation from campus provided). This course will have a fee of $150.

ACES Field Trip $150.00 Flat Fee.

<table>
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<tr>
<th>CRN</th>
<th>Type</th>
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<th>Time</th>
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<td>W</td>
<td>S509 - Turner Hall</td>
<td>Ugarte, C</td>
</tr>
</tbody>
</table>

Credit Hours: 2 hours
Sustainable Food Prod Field Exp
Restricted to Natural Resrcs & Environ Sci major(s).
This is a practical course that focuses on the principles of organic food production. Topics covered include the history of organic agriculture, cultural and biologically based management that enhances soil function and the provision of ecosystem services. Short lecture materials are integrated with hands-on activities at the Sustainable Student Farm and field trips to local farms. Each week, students will learn different components of an Organic Management Plan and will have the opportunity to outline a plan for a specific production area of the Sustainable Student Farm. This section has a field trip fee of $100 that will be charged to the student account.

ACES Field Trip $100.00 Flat Fee.

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<tr>
<th>CRN</th>
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</table>

Credit Hours: 1 hour
Techniques in Forest Ecology
Instructor Approval Required
Restricted to students in the Natural Res & Env Sci department.
This 16-hour field-based course will introduce students to techniques in forest ecology. Learning and application of techniques will occur in the context of performing a full census of Trelease Woods, a campus property managed by the University of Illinois Natural Areas Committee. Trelease is a 24.5 ha (60 acres) forest stand located 5 miles east of campus, making it a highly accessible outdoor classroom that is ideal for field-based teaching. There are no course prerequisites. 4 hours/week, the specific day and time will depend on the group to which you are assigned.

NRES 287   Environment and Society   credit: 3 hours.
Examination of the relationship between environment and society and implications for ecological and human well-being. Social science perspective covered on topics such as environmental change, environmental decision-making, natural resource management, agricultural systems, and environmental risks, hazards, and disasters. Students will build critical thinking skills focused on contemporary problems in the interface between people and the physical environment. Same as ESE 287, GEOG 287, and PS 273. Prerequisite: NRES 102 and sophomore or higher standing. Introductory social science course recommended.

This course satisfies the General Education Criteria for a:
Social & Beh Sci - Soc Sci
Cultural Studies - Western

<table>
<thead>
<tr>
<th>CRN</th>
<th>Type</th>
<th>Section</th>
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<th>Days</th>
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<td>Van Riper, C</td>
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</table>

### Social & Beh Sci - Soc Sci, and Cultural Studies - Western course.

#### Discussion/Recitation

<table>
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</table>

Not intended for students with Freshman class standing.
If all seats are full, complete the form at http://go.illinois.edu/NRESwaitinglist to be added to the waiting list.

### NRES 293  **Professional Internship**  credit: 1 TO 4 hours.

Off-campus experience in a field directly pertaining to a subject matter in natural resources and environmental sciences. Approved for Letter and S/U grading. May be repeated in separate terms up to 4 hours. Prerequisite: Consent of academic advisor or Department Internship Coordinator.

This course is for off-campus internships.
<table>
<thead>
<tr>
<th>CRN</th>
<th>Type</th>
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<th>Days</th>
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Instructor Approval Required

<table>
<thead>
<tr>
<th>CRN</th>
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</table>

| Study Abroad | CIB | ARRANGED - | - | Morgan, S Schooley, R |

Conservation Intern Botswana
Instructor Approval Required

NRES 294  **Resident Internship**  credit: 1 TO 4 hours.
Supervised, on-campus, learning experience with faculty engaged in research. Approved for Letter and S/U grading. May be repeated in separate terms to a maximum of 4 hours. Prerequisite: Consent of academic advisor or Department Internship Coordinator.

<table>
<thead>
<tr>
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<td>-</td>
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</tr>
</tbody>
</table>

Instructor Approval Required

NRES 295  **Undergrad Research or Thesis**  credit: 1 TO 4 hours.
Individual research, special problems, thesis, development and/or design work under the supervision of an appropriate member of the faculty. May be repeated in the same or subsequent terms. No more than 12 hours of special problems, research, thesis and/or individual studies may be counted toward degree. Prerequisite: Junior standing, cumulative GPA of 2.5 or above at the time the activity is arranged, and consent of instructor.

<table>
<thead>
<tr>
<th>CRN</th>
<th>Type</th>
<th>Section</th>
<th>Time</th>
<th>Days</th>
<th>Location</th>
<th>Instructor</th>
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<tbody>
<tr>
<td>10096</td>
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</tbody>
</table>

Instructor Approval Required

NRES 310  **Natural Resource Economics**  credit: 3 hours.
Same as ACE 310 and ENVS 310. See ACE 310.

<table>
<thead>
<tr>
<th>CRN</th>
<th>Type</th>
<th>Section</th>
<th>Time</th>
<th>Days</th>
<th>Location</th>
<th>Instructor</th>
</tr>
</thead>
<tbody>
<tr>
<td>60473</td>
<td>Discussion/Recitation</td>
<td>AD1</td>
<td>10:00 AM - 10:50 AM</td>
<td>F</td>
<td>30 - ACES Lib, Info &amp; Alum Ctr</td>
<td>Brazee, R</td>
</tr>
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</table>

| 60474| Discussion/Recitation | AD2    | 11:00 AM - 11:50 AM| F    | 30 - ACES Lib, Info & Alum Ctr   | Brazee, R          |

| 60475| Discussion/Recitation | AD3    | 01:00 PM - 01:50 PM| F    | 30 - ACES Lib, Info & Alum Ctr   | Brazee, R          |
NRES 325  **Natural Resource Policy Mgmt**  credit: 3 hours.
Explores policy processes and institutions relating to allocation, utilization, and preservation of natural resources. Considers conceptual models of policy processes, and examines both historical examples and current issues. Prerequisite: ECON 102 or ACE 100.

<table>
<thead>
<tr>
<th>CRN</th>
<th>Type</th>
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<th>Time</th>
<th>Days</th>
<th>Location</th>
<th>Instructor</th>
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<tbody>
<tr>
<td>46867</td>
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<td>A</td>
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<td>166 - Bevier Hall</td>
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</tr>
<tr>
<td>67052</td>
<td>Discussion/Recitation</td>
<td>AD2</td>
<td>10:00 AM - 10:50 AM</td>
<td>F</td>
<td>222 - David Kinley Hall</td>
<td>Miller, D</td>
</tr>
<tr>
<td>67054</td>
<td>Discussion/Recitation</td>
<td>AD3</td>
<td>11:00 AM - 11:50 AM</td>
<td>F</td>
<td>222 - David Kinley Hall</td>
<td>Miller, D</td>
</tr>
</tbody>
</table>

NRES 330  **Environmental Communications**  credit: 3 hours.
Same as AGCM 330 and ENVS 330. See AGCM 330.

<table>
<thead>
<tr>
<th>CRN</th>
<th>Type</th>
<th>Section</th>
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<th>Days</th>
<th>Location</th>
<th>Instructor</th>
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<tbody>
<tr>
<td>59464</td>
<td>Lecture-Discussion</td>
<td>B</td>
<td>02:00 PM - 03:20 PM</td>
<td>TR</td>
<td>316N - Mumford Hall</td>
<td>Cupps-Miller, H</td>
</tr>
</tbody>
</table>

Credit Hours: 3 hours
Not intended for students with Freshman class standing.

NRES 352  **Plant Genetics**  credit: 4 hours.
Same as CPSC 352. See CPSC 352.

<table>
<thead>
<tr>
<th>CRN</th>
<th>Type</th>
<th>Section</th>
<th>Time</th>
<th>Days</th>
<th>Location</th>
<th>Instructor</th>
</tr>
</thead>
<tbody>
<tr>
<td>31516</td>
<td>Discussion/Recitation</td>
<td>A</td>
<td>03:00 PM - 04:50 PM</td>
<td>R</td>
<td>W115 - Turner Hall</td>
<td>Studer, A</td>
</tr>
<tr>
<td></td>
<td>Lecture</td>
<td>A</td>
<td>02:00 PM - 02:50 PM</td>
<td>MWF</td>
<td>W115 - Turner Hall</td>
<td>Studer, A</td>
</tr>
</tbody>
</table>

NRES 362  **Ecology of Invasive Species**  credit: 3 hours.
Focused on the ecology and management of biological invasions, with an emphasis on understanding the introduction, establishment, spread and impact stages of the invasion process. Students will identify the causes and impacts of biological invasions, as well as management strategies for preventing new invasions and mitigating impacts of established invaders in freshwater, marine, and
terrestrial ecosystems. No special equipment will be required, and any optional, weekend field trips will occur on campus. Prerequisite: NRES 219 or similar introductory course in ecology.

<table>
<thead>
<tr>
<th>CRN</th>
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<th>Time</th>
<th>Days</th>
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<tbody>
<tr>
<td>67076</td>
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<td>TR</td>
<td>108 - David Kinley Hall</td>
<td>Larson, E</td>
</tr>
</tbody>
</table>

**NRES 396  UG Honors Research or Thesis**  credit: 1 TO 4 hours.

Individual research, special problems, thesis, development and/or design work under the direction of the Honors advisor. May be repeated in the same or subsequent terms. No more than 12 hours of special problems, research, thesis and/or individual studies may be counted toward degree. Prerequisite: Junior standing, admission to the ACES Honors Program, and consent of instructor.

<table>
<thead>
<tr>
<th>CRN</th>
<th>Type</th>
<th>Section</th>
<th>Time</th>
<th>Days</th>
<th>Location</th>
<th>Instructor</th>
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<td>10100</td>
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<td>ARRANGED</td>
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</tr>
</tbody>
</table>

Instructor Approval Required

**NRES 401  Watershed Hydrology**  credit: 3 hours.

Precipitation, evapotranspiration, stream flow, and other aspects of the hydrologic cycle are studied in a watershed context. Measurement techniques, statistical analyses of hydrologic data, and simulation modeling are discussed. Case studies that quantify water movement in specific watersheds are used to integrate course topics. Same as GEOG 401. 3 undergraduate hours. 3 graduate hours. Prerequisite: CHEM 102, completion of the Quantitative Reasoning I requirement, and completion of the statistics requirement.

<table>
<thead>
<tr>
<th>CRN</th>
<th>Type</th>
<th>Section</th>
<th>Time</th>
<th>Days</th>
<th>Location</th>
<th>Instructor</th>
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<tbody>
<tr>
<td>60761</td>
<td>Online</td>
<td>XM</td>
<td>06:30 PM - 08:30 PM</td>
<td>M</td>
<td>-</td>
<td>Hodson, P, Leroy, J</td>
</tr>
</tbody>
</table>

Online scheduled class sessions require each student to have high speed internet access and either a headset with microphone or an external microphone and speakers so they may participate in the class discussions. Wireless internet is not recommended.

**NRES 407  Wildlife Population Ecology**  credit: 4 hours.

This course includes the application of principles of population biology to the analysis, management, and conservation of wildlife populations, models of population growth, spatio-temporal variation in abundances, estimation of demographic parameters and methods of decision-making. 4 undergraduate hours. 4 graduate hours. Prerequisite: NRES 348. One semester of calculus or statistics is recommended.

<table>
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<tr>
<th>CRN</th>
<th>Type</th>
<th>Section</th>
<th>Time</th>
<th>Days</th>
<th>Location</th>
<th>Instructor</th>
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<tbody>
<tr>
<td>44547</td>
<td>Laboratory</td>
<td>AB</td>
<td>02:00 PM - 04:50 PM</td>
<td>R</td>
<td>30 - ACES Lib, Info &amp; Alum Ctr</td>
<td>Schooley, R</td>
</tr>
</tbody>
</table>

This lab will meet in ACES Library and Alumni Center computer classroom 030.

<table>
<thead>
<tr>
<th>CRN</th>
<th>Type</th>
<th>Section</th>
<th>Time</th>
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<th>Location</th>
<th>Instructor</th>
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<tbody>
<tr>
<td>44442</td>
<td>Lecture</td>
<td>AL1</td>
<td>11:00 AM - 12:15 PM</td>
<td>TR</td>
<td>W223 - Turner Hall</td>
<td>Schooley, R</td>
</tr>
</tbody>
</table>

If all seats are full, complete the form at http://go.illinois.edu/NRESwaitinglist to be added to the waiting list.

**NRES 420  Restoration Ecology**  credit: 4 hours.
Historical development of ecological restoration, its philosophical foundation, multi-disciplinary borrowings from the natural, applied, and social sciences, and varied practical applications, with emphasis on the application of ecological principles. Case studies, field trips, and laboratory activities on restoration planning. Field trip required. Additional fees may apply. See Class Schedule. 4 undergraduate hours. 4 graduate hours. Prerequisite: NRES 219 or LA 450.

<table>
<thead>
<tr>
<th>CRN</th>
<th>Type</th>
<th>Section</th>
<th>Time</th>
<th>Days</th>
<th>Location</th>
<th>Instructor</th>
</tr>
</thead>
<tbody>
<tr>
<td>35114</td>
<td>Laboratory</td>
<td>AB1</td>
<td>12:00 PM - 03:50 PM</td>
<td>F</td>
<td>222 - David Kinley Hall</td>
<td>Miller, J</td>
</tr>
</tbody>
</table>

The Friday lab section is used for field trips, which begin after spring break. Most field trips occur during the 12:00-4:00 meeting time, but three take all day. This section has a field trip fee of $200 that will be charged to the student account. ACES Field Trip $200.00 Flat Fee.

<table>
<thead>
<tr>
<th>CRN</th>
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<th>Time</th>
<th>Days</th>
<th>Location</th>
<th>Instructor</th>
</tr>
</thead>
<tbody>
<tr>
<td>35115</td>
<td>Lecture</td>
<td>AL1</td>
<td>12:30 PM - 01:50 PM</td>
<td>TR</td>
<td>W223 - Turner Hall</td>
<td>Miller, J</td>
</tr>
</tbody>
</table>

All seats in NRES 420 for Spring 2019 will be restricted to NRES majors only until November 9th, when any remaining seats will be made available to students in other majors. If all seats are full, complete the form at http://go.illinois.edu/NRESwaitinglist to be added to the waiting list.

**NRES 421  Quantitative Methods in NRES**  
credit: 3 hours.

Explores the fundamental principles, procedures, and practices that underlie the most common statistical and sampling methods used in natural resources and environmental sciences. This course covers hypothesis testing, regression, and analysis of variance. There is also a strong focus on sampling theory and experimental design. Computer labs utilize the open source R statistical computing environment. 3 undergraduate hours. 3 graduate hours. Prerequisite: One of MATH 220, MATH 221, MATH 234; completion of the statistics requirement.

<table>
<thead>
<tr>
<th>CRN</th>
<th>Type</th>
<th>Section</th>
<th>Time</th>
<th>Days</th>
<th>Location</th>
<th>Instructor</th>
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<td>35120</td>
<td>Laboratory</td>
<td>AB1</td>
<td>12:00 PM - 01:50 PM</td>
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</tbody>
</table>

This lab will meet in 029 and 030 ACES Computing Facility in the ACES Library, Information and Alumni Center.

<table>
<thead>
<tr>
<th>CRN</th>
<th>Type</th>
<th>Section</th>
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<th>Days</th>
<th>Location</th>
<th>Instructor</th>
</tr>
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<tbody>
<tr>
<td>35123</td>
<td>Laboratory</td>
<td>AB2</td>
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<td>W</td>
<td>122 - 1203 1/2 W Nevada</td>
<td>Yannarell, A</td>
</tr>
</tbody>
</table>

This lab will meet in a ACES Library and Alumni Center computer classroom.

<table>
<thead>
<tr>
<th>CRN</th>
<th>Type</th>
<th>Section</th>
<th>Time</th>
<th>Days</th>
<th>Location</th>
<th>Instructor</th>
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<tbody>
<tr>
<td>35125</td>
<td>Lecture-Discussion</td>
<td>AE1</td>
<td>12:00 PM - 12:50 PM</td>
<td>MW</td>
<td>319 - Gregory Hall</td>
<td>Yannarell, A</td>
</tr>
</tbody>
</table>

If all seats are full, complete the form at http://go.illinois.edu/NRESwaitinglist to be added to the waiting list.

**NRES 427  Modeling Natural Resources**  
credit: 4 hours.

Examines basic modeling concepts and methods. Modeling skills, model development, and natural resource issues and problems will be emphasized. Content areas include fisheries, forests, wildlife, economics, human dimensions, groundwater and surface water. 4 undergraduate hours. 4 graduate hours. Prerequisite: One of MATH 220, MATH 221, MATH 234.

<table>
<thead>
<tr>
<th>CRN</th>
<th>Type</th>
<th>Section</th>
<th>Time</th>
<th>Days</th>
<th>Location</th>
<th>Instructor</th>
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<tbody>
<tr>
<td>60538</td>
<td>Lecture</td>
<td>A</td>
<td>03:00 PM - 04:50 PM</td>
<td>MW</td>
<td>W115 - Turner Hall</td>
<td>Brazee, R</td>
</tr>
</tbody>
</table>
This course will meet in room 023 of the ACES Computing Facility in the basement of the ACES Library. If all seats are full, complete the form at http://go.illinois.edu/NRESwaitinglist to be added to the waiting list.

NRES 439  Env and Sustainable Dev  credit: 3 hours.
Comprehensive overview and synthesis of global environmental problems and their relationships to human activities, with a focus on ecological and natural resource elements. Concerns include unsound ethics and concepts of development and modernization, the lack of motivation or funding to implement available technical solutions, the promotion of alternative development ethics, and a review of opportunities to maintain or improve the well-being of people, other organisms, and the environment. Same as CPSC 439. 3 undergraduate hours. 3 graduate hours. Prerequisite: NRES 219 or ACE 210.

<table>
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<tr>
<th>CRN</th>
<th>Type</th>
<th>Section</th>
<th>Time</th>
<th>Days</th>
<th>Location</th>
<th>Instructor</th>
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<td>62411</td>
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<td>T</td>
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<td>Endress, A</td>
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Restricted to MS:Crop Sciences -UIUC, MS:Crop Sciences -UIUC, MS:Agricultural Educ -UIUC, MS:Nat Res Env Sci -UIUC, MS:Nat Res & Envrn Sci -UIUC, NDEG:Grad Nondegree-CE-UIUC, or NDEG:Undergrad Nondeg-CE-UIUC.

Center for Innovation in Teaching & Learning (CITL) restrictions and assessments apply, see http://citl.illinois.edu. Online scheduled class sessions require each student to have high speed internet access and either a headset with microphone or an external microphone and speakers so they may participate in the class discussions. Wireless internet is not recommended.

NRES 440  Applied Statistical Methods I  credit: 4 hours.
Same as ABE 440, ANSC 440, CPSC 440, and FSHN 440. See CPSC 440.

<table>
<thead>
<tr>
<th>CRN</th>
<th>Type</th>
<th>Section</th>
<th>Time</th>
<th>Days</th>
<th>Location</th>
<th>Instructor</th>
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<tbody>
<tr>
<td>31621</td>
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<td>12:00 PM - 01:50 PM</td>
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<td>M205 - Turner Hall</td>
<td>Lipka, A</td>
</tr>
<tr>
<td>31624</td>
<td>Laboratory</td>
<td>AB2</td>
<td>02:00 PM - 03:50 PM</td>
<td>W</td>
<td>M205 - Turner Hall</td>
<td>Lipka, A</td>
</tr>
<tr>
<td>60976</td>
<td>Laboratory</td>
<td>AB3</td>
<td>06:00 PM - 07:50 PM</td>
<td>W</td>
<td>M205 - Turner Hall</td>
<td>Lipka, A</td>
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<td>31629</td>
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<td>03:30 PM - 04:50 PM</td>
<td>TR</td>
<td>213 - Gregory Hall</td>
<td>Lipka, A</td>
</tr>
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NRES 441  Biogeography  credit: 3 hours.
Same as ANTH 436, ESE 439, GEOG 436 and IB 439. See IB 439.

<table>
<thead>
<tr>
<th>CRN</th>
<th>Type</th>
<th>Section</th>
<th>Time</th>
<th>Days</th>
<th>Location</th>
<th>Instructor</th>
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<tbody>
<tr>
<td>52945</td>
<td>Lecture-Discussion</td>
<td>A</td>
<td>09:30 AM - 10:50 AM</td>
<td>TR</td>
<td>2083 - Natural History Building</td>
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</tbody>
</table>

NRES 452  Community Ecology  credit: 3 hours.
Same as IB 453. See IB 453.
### NRES 455  Adv GIS for Nat Res Planning  credit: 2 hours.
Examines the application of Geographic Information Systems (GIS) to natural resource planning and decision making. Integrates principles of decision making in various contexts: public and private, single and multiple criteria, and various forms of management constraints. Management alternatives are then incorporated into a GIS system for further review and analysis. Course combines GIS software with computer-based optimization and quantitative decision making models. 2 undergraduate hours. 2 graduate hours. Offered in alternate years. Prerequisite: GEOG 479 or NRES 454.

<table>
<thead>
<tr>
<th>CRN</th>
<th>Type</th>
<th>Section</th>
<th>Time</th>
<th>Days</th>
<th>Location</th>
<th>Instructor</th>
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<tbody>
<tr>
<td>65562</td>
<td>Discussion/Recitation</td>
<td>ADA</td>
<td>11:00 AM - 11:50 AM</td>
<td>F</td>
<td>4072 - Natural History Building</td>
<td>O'Dwyer, J</td>
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<tr>
<td></td>
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<tr>
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<td>ADB</td>
<td>01:00 PM - 01:50 PM</td>
<td>F</td>
<td>4072 - Natural History Building</td>
<td>O'Dwyer, J</td>
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<td>MW</td>
<td>2020B - Natural History Building</td>
<td>O'Dwyer, J</td>
</tr>
</tbody>
</table>

### NRES 456  Integrative Ecosystem Management  credit: 3 hours.
Examines ecological and human dimensions of ecosystem management, with a strong emphasis on national and international case studies. Capstone course for seniors in the NRES major. Additional fees may apply. See Class Schedule. 3 undergraduate hours. 3 graduate hours. Prerequisite: Senior standing; NRES 219 and NRES 287.

<table>
<thead>
<tr>
<th>CRN</th>
<th>Type</th>
<th>Section</th>
<th>Time</th>
<th>Days</th>
<th>Location</th>
<th>Instructor</th>
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<tbody>
<tr>
<td>46996</td>
<td>Lecture-Discussion</td>
<td>A</td>
<td>09:30 AM - 10:50 AM</td>
<td>TR</td>
<td>131 - Animal Sciences Laboratory</td>
<td>Miller, J</td>
</tr>
</tbody>
</table>

NRES field trips $10.00 Flat Fee.
Restricted to Natural Resrcs & Environ Sci major(s). Not intended for students with Freshman, Sophomore, or Junior class standing.
Not intended for Graduate - Urbana-Champaign.
PLEASE NOTE: Students must also enroll in NRES 499 section 456 (CRN 54946). Juniors who need to take this course ahead of schedule should contact NRES Student Services at nres-ssc@illinois.edu to request special permission. If all seats are full,
complete the form at http://go.illinois.edu/NRESwaitinglist to be added to the waiting list. This section has a course fee of $25 that will be charged to the student account.

NRES 460  Aerial Photo Analysis  credit: 3 OR 4 hours.
Same as GEOG 460. See GEOG 460.

<table>
<thead>
<tr>
<th>CRN</th>
<th>Type</th>
<th>Section</th>
<th>Time</th>
<th>Days</th>
<th>Location</th>
<th>Instructor</th>
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<tbody>
<tr>
<td>33354</td>
<td>Laboratory</td>
<td>A3</td>
<td>09:00 AM - 10:50 AM</td>
<td>R</td>
<td>338 - Davenport Hall</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Lecture</td>
<td>A3</td>
<td>09:00 AM - 09:50 AM</td>
<td>T</td>
<td>338 - Davenport Hall</td>
<td>Rhoads, B</td>
</tr>
</tbody>
</table>

Credit Hours: 3 hours
Restricted to Undergrad - Urbana-Champaign.

<table>
<thead>
<tr>
<th>CRN</th>
<th>Type</th>
<th>Section</th>
<th>Time</th>
<th>Days</th>
<th>Location</th>
<th>Instructor</th>
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</thead>
<tbody>
<tr>
<td>53133</td>
<td>Laboratory</td>
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<td>09:00 AM - 10:50 AM</td>
<td>R</td>
<td>338 - Davenport Hall</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Lecture</td>
<td>A4</td>
<td>09:00 AM - 09:50 AM</td>
<td>T</td>
<td>338 - Davenport Hall</td>
<td>Rhoads, B</td>
</tr>
</tbody>
</table>

Credit Hours: 4 hours
Restricted to Graduate - Urbana-Champaign.

NRES 461  Ornithology  credit: 4 hours.
Same as IB 461. See IB 461.

<table>
<thead>
<tr>
<th>CRN</th>
<th>Type</th>
<th>Section</th>
<th>Time</th>
<th>Days</th>
<th>Location</th>
<th>Instructor</th>
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<tr>
<td>47291</td>
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<td>3</td>
<td>08:00 AM - 10:50 AM</td>
<td>M</td>
<td>4072 - Natural History Building</td>
<td>Hauber, M Luro, A</td>
</tr>
<tr>
<td></td>
<td>Lecture</td>
<td>3</td>
<td>11:00 AM - 11:50 AM</td>
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Credit Hours: 4 hours

<table>
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<th>Time</th>
<th>Days</th>
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<tr>
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<td>MWF</td>
<td>2083 - Natural History Building</td>
<td>Hauber, M</td>
</tr>
</tbody>
</table>

NRES 474  Soil and Water Conservation  credit: 3 hours.
Application of principles of soil conservation and management to the solution of land-use problems; influence of soil characteristics on erosion control, cropping intensity, water management, and land-use planning. Includes a field trip. Additional fees may apply. See Class Schedule. 3 undergraduate hours. 3 graduate hours. Prerequisite: NRES 201.

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<th>CRN</th>
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<th>Time</th>
<th>Days</th>
<th>Location</th>
<th>Instructor</th>
</tr>
</thead>
</table>
ACES Field Trip $5.00 Flat Fee.
NRES 474 will be meeting in 337 National Soybean Research Lab in Spring 2019. A field trip is planned for this course, and a $5 field trip fee will be charged to the student account. If all seats are full, complete the form at http://go.illinois.edu/NRESwaitinglist to be added to the waiting list.

NRES 477  **Introduction to Remote Sensing**  credit: 3 hours.
Same as GEOG 477. See GEOG 477.

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<td>11:00 AM - 12:20 PM</td>
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<td>1020 - Natural History Building</td>
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</table>

NRES 488  **Soil Fertility and Fertilizers**  credit: 3 hours.
Provides a broad-based understanding of the basic principles of soil fertility and their application. Coverage includes the occurrence, cycling, and plant availability of the essential mineral nutrients in soils; fertilizer sources, soil reactions, and efficiency; evaluating fertilizer and lime needs; methods of fertilizer application; and the economics of fertilization. Same as CPSC 488. 3 undergraduate hours. 3 graduate hours. Prerequisite: NRES 201.

<table>
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<tr>
<th>CRN</th>
<th>Type</th>
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NRES 499  **Special Topics**  credit: 1 TO 4 hours.
Experimental course on a special topic in natural resources and environmental sciences. Additional fees may apply. See Class Schedule. 1 to 4 undergraduate hours. 1 to 4 graduate hours. Approved for both letter and S/U grading. May be repeated in the same or separate terms to a maximum of 12 hours as topics vary. Field trip fee may be assessed for some sections.

<table>
<thead>
<tr>
<th>CRN</th>
<th>Type</th>
<th>Section</th>
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</table>

Credit Hours: 1 hours
NRES 456 Group Project
Restricted to Natural Resrcs & Environ Sci major(s). Restricted to students with Senior class standing. Not intended for Graduate - Urbana-Champaign.
This section of 499 is restricted to students also enrolled in NRES 456 (CRN 46996).

<table>
<thead>
<tr>
<th>CRN</th>
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</table>

Credit Hours: 3 hours
Conservation Genetics-N Amer
Restricted to MS:Crop Sciences -UIUC, MS: Agricultural Educ -UIUC, MS: Nat Res Env Sci -UIUC, BSLAS: ESES Online - UIUC, NDEG:Grad Nondegree-CE-UIUC, or NDEG:Undergrad Nondeg-CE-UIUC.
Conservation genetics is an interdisciplinary study of the dynamics of gene pools within populations of species with an emphasis on promoting genetic diversity and reducing the risk of species extinction. Topics will include natural selection, genetic variation and drift, mutations and interbreeding, the effects of landscape fragmentation and invasive species on metapopulations, and conservation strategies to safeguard selected priority species. This course would appeal to persons involved in animal and plant sciences, ecologists, wildlife managers, and evolutionary and developmental biologists. Online scheduled class sessions require each student to have high speed internet access and either a headset with microphone or an external microphone and speakers so they may participate in the class discussions. Wireless internet is not recommended.

NRES 500  **Graduate Seminar**  credit: 0 TO 1 hours.
Exposure to current research and specialized topics in natural resources and environmental sciences through attending/viewing and responding to the NRES seminar series. 0 to 1 graduate hours. No professional credit. Approved for S/U grading only. May be repeated.

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<tr>
<th>CRN</th>
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<th>Days</th>
<th>Location</th>
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<tr>
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<td>59162</td>
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</table>

Restricted to MS:Crop Sciences -UIUC, MS:Crop Sciences -UIUC, MS: Agricultural Educ -UIUC, MS: Nat Res Env Sci -UIUC, MS:Nat Res & Envrn Sci -UIUC, or NDEG:Grad Nondegree-CE-UIUC.
This is an asynchronous course requiring watching and writing responses to recorded seminars.

NRES 501  **Special Problems**  credit: 0 TO 4 hours.
Individual studies or investigations in selected branches of horticulture, natural resources, and environmental sciences. Approved for letter and S/U grading. May be repeated. No more than 8 hours may be counted toward an MS degree.

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<tr>
<th>CRN</th>
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Instructor Approval Required

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<tr>
<th>CRN</th>
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<td>Hodson, P</td>
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</table>

Departmental Approval Required
Restricted to MS: Nat Res Env Sci -UIUC or MS: Nat Res & Envrn Sci -UIUC.

NRES 502  **Research Methods in NRES**  credit: 4 hours.
Theory and practice of research methods in natural resources, ecology, and environmental sciences. Provides an overview of experimental design and sampling techniques, and includes discussions of discipline-specific statistical methods. Prerequisite: One upper division course is recommended.

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<th>Days</th>
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<td>W</td>
<td>-</td>
<td>Hodson, P</td>
</tr>
</tbody>
</table>
NRES 503  **Capstone Research Project**  credit: 1 TO 8 hours.
A supervised individual investigative study in selected areas of natural resources and environmental sciences relevant to the student's career preparation. Open only to NRES graduate students. A capstone paper and successful completion of an oral exam is required to earn credit for this course and also serves as the final requirement to complete the non-thesis master's program. 1 to 8 graduate hours. No professional credit. Approved for Letter and S/U grading. May be repeated in separate terms to a maximum of 8 hours. Credit is not given for both NRES 503 and NRES 505 or NRES 507. Prerequisite: Consent of the Academic and Research Advisors.

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<tr>
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</table>

Departmental Approval Required
Restricted to MS:Nat Res Env Sci -UIUC or MS:Nat Res & Envrn Sci -UIUC.

NRES 505  **Capstone Internship Experience**  credit: 1 TO 8 hours.
A formalized learning experience in an appropriate supervised internship related to the student's career preparation in natural resources and environmental sciences. Open only to NRES graduate students. A capstone paper and successful completion of an oral exam is required to earn credit for this course and also serves as the final requirement to complete the non-thesis master's program. 1 to 8 graduate hours. No professional credit. Approved for Letter and S/U grading. May be repeated in separate terms to a maximum of 8 hours. Credit is not given for both NRES 505 and either NRES 503 or NRES 507. Prerequisite: Consent of Academic Advisor.

<table>
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<tr>
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<td>Hodson, P</td>
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</table>

Departmental Approval Required
Restricted to MS:Nat Res Env Sci -UIUC or MS:Nat Res & Envrn Sci -UIUC.

NRES 507  **Capstone Group Research Project**  credit: 1 TO 8 hours.
A supervised collaborative learning experience in which students work together to design, conduct, and present professional interdisciplinary research related to the students' career preparation in natural resources and environmental sciences. Group project may involve collaboration with outside clients, which include industry, government, and non-governmental organizations. Only open to NRES graduate students pursuing a non-thesis M.S. A capstone paper and successful completion of an oral exam is required of each student to earn credit for this course and also serves as the final requirement to complete the non-thesis master's program. 1 to 8 graduate hours. No professional credit. Approved for Letter and S/U grading. May be repeated in separate terms to a maximum of 8 hours. Credit is not given for both NRES 507 and either NRES 503 or NRES 505. Prerequisite: Consent of the Academic and Research Advisors.

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<thead>
<tr>
<th>CRN</th>
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<th>Section</th>
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<th>Days</th>
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</table>

Departmental Approval Required
Restricted to MS:Nat Res Env Sci -UIUC.
Restricted to NRES degree seeking students who successfully applied to this capstone project.

NRES 511  **Principles of Applied Ecology**  credit: 4 hours.
Provides a thorough foundation of fundamental ecological principles that govern the distribution and abundance of organisms with extra attention to applied ecology as it pertains to current-day ecological problems. The approach will include lectures, discussions, hands-on evaluation and interpretation of data and experimental design presented in case studies, and design and implementation of an independent research project. Prerequisite: At least one undergraduate or graduate course in biology or ecology.

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<th>CRN</th>
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Restricted to MS:Crop Sciences -UIUC, MS:Crop Sciences -UIUC, MS:Agricultural Educ -UIUC, MS:Nat Res Env Sci -UIUC, MS:Nat Res & Envrn Sci -UIUC, or NDEG:Grad Nondegree-CE-UIUC.
Online scheduled class sessions require each student to have high speed internet access and either a headset with microphone or an external microphone and speakers so they may participate in the class discussions. Wireless internet is not recommended.

NRES 512 Discussions in NRES  credit: 1 TO 2 hours.
Discussion of recent developments and current literature in natural resources and environmental sciences, with a term-long emphasis on a particular aspect of the subject matter. Approved for Letter and S/U grading. May be repeated to a maximum of 4 hours.

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<tr>
<th>CRN</th>
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<th>Section</th>
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<th>Days</th>
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<tr>
<td>60709</td>
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<td>-</td>
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</table>

Credit Hours: 2 hours
Adv. Aquatic Ecology Research

69528 Conference CFE 11:00 AM - 11:50 AM F - Parkos, J

Credit Hours: 1 hours
Challenges-Fisheries Ecology
Advanced Fisheries Ecology is a graduate-level discussion course covering complex issues confronting fish conservation and fisheries management. The goals of the course are to (1) become informed on complex issues confronting fish conservation and fisheries management, (2) understand the science underpinning these issues and the various approaches used to address them, and (3) become confident in analyzing, assessing, and discussing different perspectives on contentious issues in applied ecology. This class will meet in the Forbes Natural History Building, Room 2064.

69636 Discussion/Recitation MCP 07:00 PM - 08:30 PM M - Hodson, P

Credit Hours: 1 hours
Making Capstone Progress

64391 Conference WE ARRANGED - - Benson, T

Credit Hours: 1 hours
Discussions Wildlife Ecology
Restricted to Graduate - Urbana-Champaign.
Day, time, and location will be determined in consultation with those who enroll.

NRES 516 Ecosystem Biogeochemistry  credit: 4 hours.
Biological, geological, and chemical processes of forest, agricultural, freshwater and marine ecosystems. The effects of pollutants and global change on each ecosystem are addressed along with the biogeochemical interactions among ecosystems. Each student completes a detailed biogeochemical study for a particular ecosystem. A 400-level course in two or more of the following areas are recommended: soil science, aquatic science, ecology, and hydrology. Same as IB 516.

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<th>Instructor</th>
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</thead>
</table>

page 18 - Natural Resources and Environmental Sciences, Spring 2019
NRES 522  **Terrestrial Remote Sensing Applications**  credit: 3 hours.

This is an advanced course applying satellite remote sensing (RS) to terrestrial environmental issues. Students will gain a deep understanding of the physical mechanisms of remote sensing technology as well as the scientific contexts of how to best utilize remote sensing technology to address questions in natural resources, hydrology, and environmental monitoring. The course is intended for graduate students. The course does not require prior knowledge of remote sensing, but proficiency in one of the following programming languages is strongly recommended - Matlab, Python, or R. 3 graduate hours. No professional credit. Prerequisite: The course does not require prior knowledge of remote sensing, but students need to satisfy the following prerequisites: proficiency in one of the following programming languages- Matlab, Python, or R.

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<th>CRN</th>
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<th>Days</th>
<th>Location</th>
<th>Instructor</th>
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NRES 592  **Sustainable Urban Systems**  credit: 4 hours.

Same as CEE 592 and UP 576. See CEE 592.

<table>
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Restricted to Graduate - Urbana-Champaign.
Fundamental concepts of sustainability and resilience in urban systems, including the complex interactions among human, engineered, and natural systems. Course will include both engineering and social science perspectives of urban sustainability. Project and discussion based format, with flexibility to choose project related to a student’s research interests.

<table>
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<tr>
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Restricted to MS: Civil Engr - Online - UIUC, MCS:Computer Sci Online -UIUC, MS:Industrial Engr Online-UIUC, MS:Mechanical Engineering -UIUC, MS:Env Engr CivilEngr ONL-UIUC, MS: Aerospace Engr-Online-UIUC, NDEG:Grad Nondegree-CE-UIUC, or MENG:Mech Engineering Onl-UIUC.
Fundamental concepts of sustainability and resilience in urban systems, including the complex interactions among human, engineered, and natural systems. Course will include both engineering and social science perspectives of urban sustainability. Project and discussion based format, with flexibility to choose project related to a student’s research interests. Center for Innovation in Teaching & Learning (CITL) restrictions and assessments apply, see http://online.illinois.edu. Restricted to online graduate nondegree, online MCS, online MSAE, online MSME, and online MSCE students. For more details on this course section, please see
http://engineering.illinois.edu/online/courses/. Non-Degree students may enroll on a space-available basis with consent of Program Coordinator, Meg Griffin (mgriffin@illinois.edu).

NRES 594  **NRES Professional Orientation**  credit: 1 hours.
The philosophy and components of graduate education with development of the principles useful in teaching, research, and extension in horticulture, natural resources and environmental sciences. Students will be required to develop and submit a proposal describing planned research for their M.S. or Ph.D. thesis. Approved for S/U grading only.

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<tr>
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<th>Time</th>
<th>Days</th>
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</table>

Restricted to MS:Nat Res Env Sci -UIUC. This course section is open only to admitted NRES MS online degree-seeking students. This section is an asynchronous orientation to the NRES MS program. The instructor will contact enrolled students via email and provide them with course access instructions.

NRES 599  **Thesis Research**  credit: 0 TO 12 hours.
Research conducted in various phases of horticulture, natural resources, and environmental sciences leading to a thesis in natural resources and environmental sciences. Approved for S/U grading only. May be repeated.

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<tr>
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<tr>
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Instructor Approval Required

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</table>

Departmental Approval Required
Restricted to MS:Nat Res Env Sci -UIUC or MS:Nat Res & Envrn Sci -UIUC.
Center for Innovation in Teaching & Learning (CITL) restrictions and assessments apply, see http://online.illinois.edu.