NATURAL RESOURCES (NR)

NR 101 Exploring Natural Resources  
2 credits  
Introduction to the interdisciplinary fields and professions in natural resources. Includes field trips. (Fall only)

NR 200 (s) Seminar  
Credit arranged

NR 203 (s) Workshop  
Credit arranged

NR 204 (s) Special Topics  
Credit arranged

NR 211 Undergrad Research Experience I  
2 credits  
Introduction to the scientific method in natural resources and environmental sciences, including ethics as it applies to research. Students are selected through an application process and are provided a budget to pursue a research topic of interest. Depending on project, student may participate in trips and laboratory study.

NR 212 Undergrad Research Experience II  
1 credit  
Continuation of NR 211. Focus on describing data and various methods of reporting research results. Depending on project, student may participate in field trips and laboratory study. Participation in UI Undergraduate Research Symposium is expected.

Prereq: NR 211

NR 299 (s) Directed Study  
Credit arranged

NR 300 Ecology and Conservation Biology Thesis Seminar  
1 credit  

Prereq: Instructor Permission

NR 321 Ecology  
3 credits  
Fundamental principles of the science of ecology. Major topics covered by the course include the physical environment, how organisms interact with each other and their environment, evolutionary processes, population dynamics, communities, energy flow and ecosystems, human influences on ecosystems, and the integration and scaling of ecological processes through systems ecology. Computer-based materials are used extensively for guided independent learning of ecology. Course information: EcologyOnline.net. Recommended Preparation: Introductory botany and zoology.

Prereq: Introductory Biology or Permission

NR 322 Field Ecology  
2 credits  
Introduction to field methods in the science of ecology. This field course, offered in the Frank Church River of No Return Wilderness, emphasizes a unique outdoor experience for ecological observations and understanding. Methods for monitoring and ecological assessment will include experimental design, use of instruments for data collection, and data analysis.

Prereq: BIOL 102 and BIOL 102L, BIOL 114, BIOL 115, BIOL 115L or Permission

Coreq: NR 321

NR 400 (s) Seminar  
Credit arranged

NR 403 (s) Workshop  
Credit arranged

NR 404 (s) Special Topics  
Credit arranged

NR 405 (s) Professional Development  
Credit arranged

NR 406 Teaching Assistant Practicum  
1-2 credits  
Instructional and other classroom assistance for NR 101 performed by students under faculty supervision.

Prereq: Permission

NR 407 Natural Resource Ambassador Practicum  
1-2 credits, max 12  
Student ambassadors are selected through an application and interview process to represent CNR to future students at recruiting activities and functions. Students will learn skills in leadership, communication, networking, public speaking, and time management. Students will be responsible for visiting high schools, attending college and career fairs, recruiting events on campus.

Prereq: Permission

NR 497 Senior Thesis  
1-3 credits, max 3  
Independently plan and conduct a thesis project; write and defend the thesis under supervision of a supervisor.

Prereq: Senior standing and Permission

NR 498 (s) Internship  
Credit arranged

NR 499 (s) Directed Study  
Credit arranged  
For the individual student; conferences, library, field, or lab work.

Prereq: Senior standing in the College of Natural Resources, 2.5 GPA, and Permission

NR 501 (s) Seminar  
Credit arranged  
Major philosophy, management, and research problems of wildlands; presentation of individual studies on assigned topics.

Prereq: Permission

NR 502 (s) Directed Study  
Credit arranged

NR 503 (s) Workshop  
Credit arranged  
Selected topics in the conservation and management of natural resources.

Prereq: Permission

NR 504 (s) Special Topics  
Credit arranged

NR 505 Advanced GIS Applications in Wildlife Sciences  
1 credit  
Advanced wildlife GIS applications focusing on spatial home range computations and habitat studies; accelerated.

Prereq: GIS experience or Permission
NR 511 Preparing Scientific Manuscripts  
1 credit  
Details the preparation of manuscripts for thesis chapters and submission to peer-reviewed journals. Exercises include identifying scope, unique requirements for manuscript parts, use of graphing and reference database tools, editing and peer reviewing. Two 75-minute classes per week, first half of semester. Second half of semester involves weekly writing workshops to finalize projects. Entry into class requires possession of analyzed data set.  
Prereq: Instructor Permission

NR 525 Scientific Graphics Design  
3 credits  
Principles of graphics design for science, including the graphical presentation of data for printed and electronic journals, poster presentations, and oral presentations. Students will analyze published scientific graphics as well as learn to design their own graphs based on data from their graduate research or other sources.

NR 598 (s) Internship  
Credit arranged

NR 599 (s) Non-thesis Master's Research  
Credit arranged  
Research not directly related to a thesis or dissertation.  
Prereq: Permission

NR 600 Doctoral Research and Dissertation  
Credit arranged  
Prereq: Admission to the doctoral program in Natural Resources and Department Permission