DEPARTMENT OF NATURAL RESOURCES

With approximately 90 percent of its area in forest and range lands, together with its wealth of water resources, Idaho offers excellent opportunities for undergraduate and graduate study in all the disciplines related to management of renewable resources of wildlands. The college has its own research organization, the Forest, Wildlife and Range Experiment Station, including the Idaho Cooperative Fish and Wildlife Research Unit and the Cooperative Park Studies Unit. All faculty members have teaching responsibilities in the college as well as research responsibilities in the experiment station. Additional facilities include the Taylor Wilderness Research Station, in the Frank Church River of No Return Wilderness Area, the Experimental Forest near Moscow, the Lee A. Sharp Experimental Area near Burley, Idaho, the McCall Field Campus in central Idaho, and the USDA Rocky Mountain Research Station, Forestry Sciences Laboratory, in Moscow.

Admission for graduate study normally requires completion of course work equivalent to that required in one of the undergraduate curricula offered by the college. Students with differing backgrounds but substantial preparation in the sciences may also be admitted. The study plans developed will allow for differences in preparation while providing all students with comparable backgrounds by the time the graduate program is completed.

Kurt Pregitzer, Dean; Thomas Gorman, Associate Dean (202 College of Natural Resources Bldg.; 208-885-6442).

Majors


Minors

- Natural Resources Minor (https://catalog.uidaho.edu/colleges-related-units/natural-resources/natural-resources/natural-resources-minor)

Natural Resources Graduate Program

Candidate must fulfill the requirements of the College of Graduate Studies and of the College of Natural Resources. See the College of Graduate Studies (https://catalog.uidaho.edu/colleges-related-units/graduate-studies) section for the general requirements applicable to each degree.

- Natural Resources (M.S.) (https://catalog.uidaho.edu/colleges-related-units/natural-resources/natural-resources/natural-resources-mss)
- Natural Resources (M.N.R.) (https://catalog.uidaho.edu/colleges-related-units/natural-resources/natural-resources/natural-resources-mnr)
- Natural Resources (Ph.D.) (https://catalog.uidaho.edu/colleges-related-units/natural-resources/natural-resources/natural-resources-phd)

Natural Resources

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

NR 200 (s) Seminar
NR 200 (s) Seminar (cr arr).

NR 203 (s) Workshop
NR 203 (s) Workshop (cr arr).

NR 204 (s) Special Topics
NR 204 (s) Special Topics (cr arr).

NR 299 (s) Directed Study
NR 299 (s) Directed Study (cr arr).

NR 300 Ecology and Conservation Biology Thesis Seminar
NR 300 Ecology and Conservation Biology Thesis Seminar (1 cr)
Prereq: Instructor Permission.

NR 321 Ecology
NR 321 Ecology (3 cr)
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
NR 322 Field Ecology (2 cr)
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 102L, Biol 114, Biol 115, or permission
Coreq: NR 321.

NR 400 (s) Seminar
NR 400 (s) Seminar (cr arr).

NR 403 (s) Workshop
NR 403 (s) Workshop (cr arr).

NR 404 (s) Special Topics
NR 404 (s) Special Topics (cr arr).

NR 405 (s) Professional Development

NR 406 Teaching Asst. Practicum
NR 406 Teaching Asst. Practicum (1-2 cr)
Instructional and other classroom assistance for NR 101 – Exploring Natural Resources performed by students under faculty supervision.
Prereq: Permission.
NR 407 Natural Resource Ambassador Practicum  
NR 407 Natural Resource Ambassador Practicum (1-2 cr, 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  
NR 497 Senior Thesis (1-3 cr, 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  

NR 499 (s) Directed Study  
NR 499 (s) Directed Study (cr arr)  
For the individual student; conferences, library, field, or lab work.  
Prereq: Senior standing in the College of Natural Resources, GPA 2.5, and Permission.

NR 501 (s) Seminar  
NR 501 (s) Seminar (cr arr)  
Major philosophy, management, and research problems of wildlands; presentation of individual studies on assigned topics.  
Prereq: Permission.

NR 502 (s) Directed Study  
NR 502 (s) Directed Study (cr arr)  

NR 503 (s) Workshop  
NR 503 (s) Workshop (cr arr)  
Selected topics in the conservation and management of natural resources.  
Prereq: Permission.

NR 504 (s) Special Topics  
NR 504 (s) Special Topics (cr arr).

NR 505 Advanced GIS Applications in Wildlife Sciences  
NR 505 Advanced GIS Applications in Wildlife Sciences (1 cr)  
Advanced wildlife GIS applications focusing on spatial home range computations and habitat studies; accelerated.  
Prereq: GIS experience or Permission.

NR 507 Moral Reasoning in Natural Resources  
NR 507 Moral Reasoning in Natural Resources (3 cr)  
Exploration of the practical aspects of moral reasoning on current issues in natural resources. The purpose of the course is to discover the essence of reasoning, rationality, and reflection on moral and ethical dilemmas with regard to current issues in natural resources.

NR 511 Preparing Scientific Manuscripts  
NR 511 Preparing Scientific Manuscripts (1 cr)  
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 min 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 dataset.  
Prereq: Instructor Permission.

NR 520 Preparing Scientific Manuscripts  
NR 520 Preparing Scientific Manuscripts (3 cr)  
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 min 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 dataset.  
Prereq: Permission.

NR 525 Scientific Graphics Design  
NR 525 Scientific Graphics Design (3 cr)  
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  
NR 598 (s) Internship (cr arr).

NR 599 (s) Research  
NR 599 (s) Non-thesis Master’s Research (cr arr)  
Research not directly related to a thesis or dissertation.  
Prereq: Permission.

NR 600 Doctoral Research and Dissertation  
NR 600 Doctoral Research and Dissertation (cr arr)  
Prereq: admission to the doctoral program in "natural resources" and Permission of department.