

# WILD - Fish & Wildlife Science & Mgmt

## **WILD 201 Intro to Fish and Wildlife: 1 Credits (1 Other)**

An introduction to the career opportunities and current issues associated with management of fisheries and wildlife. For Fish and Wildlife Majors or those interested in the profession. Offered in fall.

## **WILD 290R Undergraduate Research: 1-3 Credits (1-3 Other)**

PREREQUISITE: Consent of instructor and approval of department head. (F, Sp, Su) Directed undergraduate research which may culminate in a written work or other creative project. Course will address responsible conduct of research. May be repeated  
Repeatable up to 6 credits.

## **WILD 291 Special Topics: 1-4 Credits (1-4 Lec)**

PREREQUISITE: None required but some may be determined necessary by each offering department. Courses not required in any curriculum for which there is a particular one-time need, or given on a trial basis to determine acceptability and demand before requesting a regular course number  
Repeatable up to 12 credits.

## **WILD 292 Independent Study: 1-3 Credits (1-3 Other)**

PREREQUISITE: Consent of instructor and approval of department head. Directed research and study on an individual basis  
Repeatable up to 6 credits.

## **WILD 298 Internship: 1-4 Credits (1-4 Other)**

PREREQUISITE: Approval of intern program by consent of instructor and approval of department head. An individualized assignment arranged with an agency, business, or other organization to provide guided experience. May be repeated  
Repeatable up to 8 credits.

## **WILD 301 Princ of Fish & Wildlife Mgmt: 3 Credits (3 Lec)**

PREREQUISITE: BIOB 160 and BIOB 170IN. (Sp) Junior standing. Overview of history and ecological principles underlying fish and wildlife management. In-depth discussion of current issues. Offered in spring

## **WILD 325 Wildlife-Livestock Nutrition: 3 Credits (3 Lec)**

PREREQUISITE: ANSC 100 and NRSM 101 and NRSM 102. (Sp) Nutrition of free ranging ungulates including deer, elk, antelope, bison, sheep, cattle and feral horses. Topics will include digestive systems, intake, food habits, feeding behavior and management on rangelands. Offered spring

## **WILD 355 Wildlife and Livestock Habitat Restoration: 3 Credits (2 Lec, 2 Lab)**

PREREQUISITE: NRSM 101 or ENSC 110 or WILD 301, and BIOO 230, and NRSM 240 or BIOE 370. (F) Improvement and rehabilitation of rangeland, forest, and desert habitats used by wildlife and free-ranging livestock in the western United States. Topics include methods used to improve wildlife habitat as well as livestock forage. Design criteria for stock ponds, off-site water development, construction of bird/small mammal guzzlers, use of prescribed fire, mechanical, chemical and biological techniques to rehabilitate and improve rangeland, forest, and desert vegetation communities

## **WILD 401RN Fish and Wildlife Capstone: 4 Credits (2 Lec, 2 Lab)**

PREREQUISITE: Completion of STAT 216Q or BIOB 318, and BIOE 370, and WILD 301, and Fish and Wildlife Ecology and Management option, or consent of instructor. Senior capstone course. Course emphasizes solving problems related to management of fish and wildlife. Students will be introduced to field techniques, analysis approaches, and scientific literature used to answer questions related to conservation and management of terrestrial and aquatic vertebrates. Offered in spring

## **WILD 420 Range & Wildlife Policy and Planning: 3 Credits (3 Lec)**

PREREQUISITE: BIOE 103 or NRSM 101 or ENSC 110 and Junior Standing. (Sp) Course explores primary rangeland and wildlife policy in North America, how it developed and how it is currently administered. Emphasis will be on the multidisciplinary application of policy for land resource and wildlife management planning

## **WILD 426 Wild Habitat Management: 3 Credits (3 Lec)**

PREREQUISITE: NRSM 240 or BIOE 370 or consent of instructor. (Sp) Emphasis is placed on wildlife habitat management in coordination with other land uses (i.e. agriculture, recreation, and development). Students gain insight into the details of wildlife habitat management by delving into historic and contemporary literature. Students develop proficiency in applied wildlife management through consideration of the three components (animal, habitat, human) common to all successful wildlife management efforts. Real world issues and solutions based on case study examples are emphasized

## **WILD 438 Wildlife Habitat Ecology: 3 Credits (3 Lec)**

PREREQUISITE: NRSM 240 or BIOE 370 or consent of instructor. (Sp) Principles of habitat importance and management. Habitat requirements within wildlife population constraints will be emphasized with consideration of other natural resource demands. Students will be required to learn the ecological characteristics and gain proficiency in the identification of 40 important woody plants

## **WILD 490R Undergrad Research: 1-6 Credits (1 Other)**

PREREQUISITE: Junior standing, consent of instructor and approval of department head. (F, Sp, Su) Directed undergraduate research which may culminate in a research paper, journal article, or undergraduate thesis. Course will address responsible conduct of research. May be repeated  
Repeatable up to 12 credits.

## **WILD 491 Special Topics: 1-3 Credits (1-3 Lec)**

PREREQUISITE: Course prerequisites as determined for each offering. Offering dependent on topic. Courses not required in any curriculum for which there is a particular one-time need, or given on a trial basis to determine acceptability and demand  
Repeatable up to 12 credits.

## **WILD 492 Independent Study: 1-3 Credits (1-3 Other)**

PREREQUISITE: Junior standing, consent of instructors, and approval of department head. (F, Sp, Su) Directed research and study on an individual basis  
Repeatable up to 6 credits.

## **WILD 494 Seminar: 1 Credits (1 Other)**

PREREQUISITE: Junior standing and as determined for each offering. () Offered as needed based on student demand. Topics offered at the upper division level which are not covered in regular courses. Students participate in preparing and presenting discussion material  
Repeatable up to 4 credits.

## **WILD 498 Internship: 1-4 Credits (1-4 Other)**

PREREQUISITE: Junior standing, approval of intern program by consent of instructor and approval of department head. An individualized assignment arranged with an agency, business, or other organization to provide guided experience in the field. May be repeated  
Repeatable up to 8 credits.

**WILD 501 Applied Population Ecology: 3 Credits (2 Lec, 1 Lab)**

(Sp) An in-depth review of the (1) key theories of population ecology, (2) the application of theory in contemporary population management, and (3) managing populations in the face of uncertainty. Recommended BIOE 370 or WILD 301, and a statistics class. Offered in spring.

**WILD 502 Population & Habitat Data: 3 Credits (2 Lec, 1 Lab)**

PREREQUISITE: Completion of or concurrent enrollment in a five-hundred level statistics course. Study of the theory and methods of sampling and analyzing population data for vertebrates. Estimation of population size, survival, and recruitment using competing models that relate population states and rates to habitat conditions and other covariates of interest. Computer lab. Offered in fall of odd years

**WILD 504 Wildlife-Habitat Relationships: 3 Credits (3 Lec)**

PREREQUISITE: Completion of a 500-level statistics course. This course will help students develop a conceptual and practical understanding of wildlife-habitat relationships and the use, application, and limitations of the analytical tools used to analyze these data. Course will be a blend of discussion and lecture; students will be responsible for written assignments based on readings and data sets. Offered in spring of even years

**WILD 510 Fisheries Science: 3 Credits (2 Lec, 1 Lab)**

An in-depth review of fisheries data types and the analysis and interpretation of those data as it relates to freshwater fisheries research and management. Offered in spring of even years.

**WILD 513 Fisheries Habitat Management: 3 Credits (3 Lec)**

PREREQUISITE: Graduate standing or consent of instructor. Assessment and application of ecological principles and methods used to protect and restore stream, lake and reservoir habitats for management of fishes and other aquatic organisms. Offered in fall of even years

**WILD 525 Human Dimensions of Fisheries and Wildlife Management: 3 Credits (3 Lec)**

PREREQUISITE: Graduate standing. This course provides fisheries and wildlife management graduate students with an understanding of how social, cultural, behavioral, and demographic characteristics of humans affect fisheries and wildlife management. Offered in spring of even years

**WILD 548 Research Perspectives: 2 Credits (2 Lec)**

PREREQUISITE: Graduate standing or consent of instructor. An introduction to the philosophical underpinnings of resource science and management, with the goal of helping students to develop their own ideological perspective. A broad array of interdisciplinary readings is used to survey philosophical worldviews and explore their influence on science

**WILD 591 Special Topics: 1-3 Credits (1-3 Lec)**

PREREQUISITE: Upper division courses and others as determined for each offering. Courses not required in any curriculum for which there is a particular one time need, or given on a trial basis to determine acceptability and demand before requesting a regular course number  
Repeatable up to 12 credits.