

# Wildlife

## LOWER DIVISION

**WLDF 111. Introduction to Wildlife** (1). Wildlife management field: breadth, types of animals involved, founding scientific principles. [CR/NC. Rep.]

**WLDF 210. Introduction to Wildlife Conservation & Administration** (3). History of relationship between wildlife and people, including laws and regulatory agencies. Different cultural perspectives.

**WLDF 244. Wildlife Policy & Animal Welfare** (1). Roles of policy, values, ethics, and animal welfare in research and the management of wildlife. Review relevant laws, with emphasis on Animal Welfare Act. [CR/NC.]

## UPPER DIVISION

*In all classes, weekend trips may substitute for some scheduled labs, lectures, or discussions. Labs may begin before 8:00 A.M. and last more than three hours, allowing for travel.*

**WLDF 300 / WLDF 300B. Wildlife Ecology & Management** (3). Important wildlife habitats and their characteristic plants/ animals. Identification, life histories, and ecology of important species. Scientific principles upon which field is founded. [Prereq: lower division science GE. Weekly: 2 hrs lect, 1 hr disc for WLDF 300; or 3 hrs lect for 300B. GE for nonmajors; may not count for credit by majors.]

**WLDF 301. Principles of Wildlife Management** (3). Plant / animal ecology; population dynamics; philosophy. [Prereq: MATH 115 or equivalent, WLDF 210, BIOL 105 or BOT 105 or ZOOL 110. GE. Weekly: 2 hrs lect, 1 hr disc/quiz; or 3 hrs lect.]

**WLDF 302 / PHIL 302. Environmental Ethics** (3). Philosophical approaches to natural resource use. Ethical and legal perspectives. [Weekly: 2 hrs lect, 1 hr disc. GE.]

**WLDF 306. Birds & Human Society** (3). Distribution, ecology, and behavior of birds. Relationships to human history, sciences, arts, economy, culture. [GE. Prereq: completed lower division GE. Rep.]

**WLDF 309 / PHIL 309. Case Studies in Environmental Ethics** (3). Human influence on distribution of world's fauna. Ethical perspectives. [GE. CWT. Prereq: completed lower division GE area B. Rep twice; multiple enrollments in term.]

**WLDF 311. Wildlife Techniques** (4). Management and research techniques. [Prereq: WLDF 244, WLDF 301, STAT 109 or equivalent; or IA. Weekly: 2 hrs lect, 1 hr disc, 3 hrs lab.]

**WLDF 365. Ornithology I** (3). Classification, life histories, ecology, behavior, and special adaptations of birds. Identification in field and lab. [Prereq: BIOL 105 and ZOOL 110, or their equivalents. Weekly: 2 hrs lect, 3 hrs lab.]

**WLDF 420. Wildlife Management (Waterfowl)** (3). Life histories, ecology, behavior; management of waterfowl and allied species. [Prereq: WLDF 301 and WLDF 311, or IA. Recommended: WLDF 365. Weekly: 2 hrs lect, 3 hrs lab.]

**WLDF 421. Wildlife Management (Upland Game)** (3). Life histories, ecology, management of upland game/allied species. [Prereq: WLDF 301, WLDF 311, or IA. Recommended: WLDF 365. Weekly: 2 hrs lect, 3 hrs lab.]

**WLDF 422. Wildlife Management (Mammals)** (3). Life histories, ecology, management. [Prereq: WLDF 301, WLDF 311, ZOOL 356, or IA. Weekly: 2 hrs lect, 3 hrs lab.]

**WLDF 423. Wildlife Management (Nongame Wildlife)** (3). Life histories, special management considerations. Specific taxonomic/ecological groups vary. [Prereq: WLDF 301, WLDF 311. Rep once. Weekly: 2 hrs lect, 3 hrs lab.]

**WLDF 426. Field Trip** (1-3). Group tour of important wildlife management developments and/or wildlife and their habitats. [Prereq: WLDF 301 and WLDF 311, or IA.]

**WLDF 430. Ecology & Management of Wetland Habitats for Wildlife** (3). Historical, ecological, and management implications of manipulating wetland habitats to benefit wildlife. [Prereq: WLDF 301 and WLDF 311, or IA. Weekly: 2 hrs lect, 3 hrs lab.]

**WLDF 431. Ecology & Management of Upland Habitats for Wildlife** (3). Theoretical and applied considerations for managing upland habitats to benefit wildlife species. [Prereq: WLDF 301 and WLDF 311, or IA. Weekly: 2 hrs lect, 3 hrs lab.]

**WLDF 450. Principles of Wildlife Diseases** (3). Role of disease in wildlife populations; host/parasite relationships; strategies in controlling diseases. [Prereq: BIOL 105, WLDF 301, ZOOL 110; or their equivalents. Weekly: 2 hrs lect, 3 hrs lab.]

**WLDF 460. Conservation Biology** (3). Endangered species management, reserve design, conservation genetics, related concepts. [Prereq: WLDF 301 (BIOL 330 may substitute), or IA.]

**WLDF 470. Animal Energetics** (3). How mammals and birds acquire, conserve, and exploit energy and other resources. Microclimates; relationships to habitat management. [Prereq: BIOL 105, WLDF 301, WLDF 311; or IA. Recommended: ZOOL 310. Weekly: 2 hrs lect, 3 hrs lab.]

**WLDF 475. Wildlife Ethology** (3). Behavior of vertebrates. Relationships between animal behavior and wildlife management/research. [Prereq: WLDF 301 and WLDF 311, or equivalent, or IA. Weekly: 2 hrs lect, 3 hrs lab.]

**WLDF 478. Ecology of Wildlife Populations** (3). Factors influencing growth, regulation, structure, and fluctuations of wildlife populations. Population growth, competition, and predator/prey models. [Prereq: WLDF 301 and WLDF 311, or IA. Weekly: 2 hrs lect, 3 hrs lab.]

**WLDF 480. Selected Topics in Wildlife Management** (1-3). [Prereq: IA. Lect/lab as appropriate. Lab sections CR/NC. Rep.]

**WLDF 485. Senior Seminar in Wildlife Management** (1). Oral presentation of topic from current literature. [Prereq: WLDF 311 and senior standing. Rep twice.]

**WLDF 490. Honors Thesis** (3). Independent research conducted under faculty supervision. [Prereq: WLDF 311 and GPA 3.0 or better. Must take in last semester or IA.]

**WLDF 492S. Senior Project, Service** (3). Independent service learning with a professional partner engaged in wildlife management and conservation. Coursework includes pre- and post-service reflection, report writing, and professional presentation. [Prereq: WLDF 311, senior standing, and IA. Rec: at least one additional 400-level WLDF course.]

**WLDF 495. Senior Project** (3). Independent research, including proposal writing, fieldwork, and completion of a scientific paper. [Prereq: WLDF 311. Must take in last semester or IA. Rep.]

**WLDF 497. Wildlife Ethics, Independent Study** (1). Case studies. Integrate biological, ethical, and legal perspectives.

**WLDF 499. Directed Study** (1-3). Independent studies. Directed reading or conference. [Prereq: IA. May not substitute for WLDF 485 or WLDF 495. Rep.]

## GRADUATE

**WLDF 510. Advanced Principles of Wildlife Management** (1-5). New theories, principles, techniques. [Rep.]

**WLDF 510L. Advanced Principles of Wildlife Management Lab** (1-2). [Rep.]

**WLDF 531. Advanced Wildlife Habitat Ecology** (2). Theoretical and applied aspects of vertebrate habitat ecology: habitat selection study design, analysis, and interpretation; habitat quality, effects of spatial and temporal scale; habitat conservation and management. [Prereq: WLDF 311, and WLDF 430 or WLDF 431; or IA.]

**WLDF 550. Advanced Topics in Wildlife Diseases** (1-3). Theories, concepts. [Prereq: WLDF 450.]

**WLDF 550L. Advanced Topics in Wildlife Diseases Lab** (1-2).

**WLDF 565. Advanced Topics in Ornithology** (1-3). Ecology and management of birds. Emphasis on individual work. [Prereq: WLDF 301, WLDF 365, WLDF 465; or IA.]

**WLDF 565L. Advanced Topics in Ornithology Lab** (1-2).

**WLDF 570. Advanced Animal Energetics** (1-3). How mammals and birds acquire, conserve, and exploit energy/other resources. Microclimates; relationships to habitat management. [Prereq: WLDF 301 and WLDF 311, or IA. Recommended: ZOOL 310.]

**WLDF 570L. Advanced Animal Energetics Lab** (1-2).

**WLDF 580. Behavioral Ecology** (1-3). Relationships between behavior, ecology, and management of wildlife populations. [Prereq: WLDF 475 or equivalent, or IA. Variable format: recitations, labs.]

**WLDF 585. Seminar in Wildlife Management**

(1-3). Important current literature. Recitation.  
[Prereq: grad standing. Rep 4 times.]

**WLDF 597. Mentoring & Teaching-Associate Training** (1-4).

Training in course preparation and delivery. Advance majors and grad students take this prior to or concurrent with teaching-assistant or teaching-associate assignments. No credit toward graduate degree.

**WLDF 690. Thesis** (1-3).

Restricted to students in NR grad program, wildlife option. [Rep.]

**WLDF 695. Advanced Field Problems** (1-3).

Directed field experience in individual thesis problems. [Rep.]

**WLDF 699. Independent Study** (1-3).

Selected problems. [Prereq: grad standing and IA. Rep.]