




Wildlife

LOWER DIVISION


 **WLDF 111. Introduction to Wildlife** (1). Introduction to the scope of the wildlife management & conservation fields: animals involved, founding scientific principles, current issues, career paths and guest speakers. [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 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. B-UD for nonmajors; may not count for credit by majors.]

WLDF 301. Principles of Wildlife Management (3). Plant / animal ecology; population dynamics; philosophy. [Prereq: MATH 101T or MATH 102; WLDF 210 or ESM 105; BIOL 105 or BOT 105 or ZOOL 110. Weekly: 2 hrs lect, 1 hr disc/quiz; or 3 hrs lect.; B-UD.]


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


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. [Rec: 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 311; 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 311 or IA. Rec: WLDF 365. Weekly: 2 hrs lect, 3 hrs lab.]

 **WLDF 422. Wildlife Management (Mammals)** (3). Life histories, ecology, management. [Prereq: 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 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 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 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 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 464. Urban Wildlife Ecology (3). Fundamentals of urban ecology, field methods including urban wildlife and human surveys, and urban wildlife management and conservation strategies. [Weekly: 2 hrs lect, 3 hrs lab. Prereq: WLDF 311.]

WLDF 468. Spatial Wildlife Ecology (3). Methods and theory for studying spatial wildlife relationships; home range analysis; habitat selection and distribution models; corridor modeling and connectivity. [Prereq: WLDF 311, and GSP 270, or IA. Weekly: 2 hrs lect, 3 hrs lab.]

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 311; or IA. Rec: 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 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 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 482. Wildlife Conclave (1). Preparation for student competitions in discipline of wildlife management and conservation; research presentation, professional development, networking. [Wildlife majors only. CR/NC. Rep 7 times.]

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 higher. 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 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 578. Advanced Ecology of Wildlife Populations** (3). Theory and practice of estimating demographic parameters in marked and unmarked populations. Emphasis on contemporary approaches to maximum likelihood parameter estimation with field-collected data. Individual projects are emphasized. [Prereq: STAT 333 and grad standing, or IA.]

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 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.]