

Dakota College at Bottineau Course Syllabus

Course Prefix/Number/Title: FWLD 122 – Wildlife & Fisheries Techniques

Course Description: Provide a basic understanding of the biological principles involved in management of upland game, waterfowl, big game, furbearers, fisheries, and non-game.

Course Objectives: A) To develop a basic methodology of providing sound management plans for a variety of birds, mammals, and fish species, B) Community and ecosystem management approach to integrated management plans, C) Develop philosophies for seasonal requirements for resident and migratory species, and D) Develop basic requirements for warm and cold water species of fish.

Instructor: Allan Aufforth

Office: Nelson Science Center 102

Office Hours: MWF 11:00-12:00

Phone: 701-228-5463

Email: al.aufforth@dakotacollege.edu

Lecture/Lab Schedule: TTH 10:00-10:50/ Tues. 1-2:50/Tues 3:00-4:50

Textbook(s): Introduction to Wildlife and Fisheries by Scalet, Flake, & Willis.

Course Requirements: 2 major exams each 120 pts.
Weekly quizzes each 20 pts.
3 laboratory practical exams each 60 pts.

Grading schedule:

90-100% = A
80-89% = B
70-79% = C
69-79% = D
<60% = F

Tentative Course Outline:

- A. A brief history of wildlife management. Landmark legislation. Some successes in managing wildlife.
- B. Population ecology. Food and cover. Animal behavior and wildlife management. Ecosystems and natural communities.
- C. Wildlife diseases. Predators and predation. Ethics of hunting/trapping- a brief historical approach. Wildlife and water. Wetland classification.
- D. Wildlife and soils. Wildlife and farmland. Wildlife and rangelands. Forest management practices.
- E. Exotic wildlife – problems and prevention. Nongame and endangered wildlife. Economics of wildlife. Wildlife as a public trust.
- F. Big game biology. Big game species and civilization.

- G. Fisheries management. Freshwater ecology and physical parameters. Management techniques.
- H. Law enforcement methodology and techniques.

General Education Goals/Objectives:

Goal #1: Explains the interrelationships between humans and their environment and the role of science in their lives.

Objective 3: Demonstrates an awareness of the role of science in everyday life.

Relationship to Campus Theme:

This course is a study in the adaptability of wildlife species in an environment greatly influenced by the presence of humans.

Classroom Policies:

All students will respect the classroom environment that will allow for maximum interaction between students and the professor. All cell phones will be turned off when entering the classroom, unless an emergency call is anticipated.

Academic Integrity:

All students will do their own, original work on reports, laboratory assignments, and essays. Any student caught cheating on an exam or quiz will be reprimanded the first time. If it happens again, the student will drop the class.

Disabilities and Special Needs:

Please inform the professor within the first week of classes if any assistance is required due to disabilities or special needs.