

Dakota College at Bottineau Course Syllabus

Course Prefix/Number/Title: FWLD 121 – Introduction to Wildlife & Fisheries Management

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.

General Education Competency/Goal # 1: Identifies the interrelationships between humans and their environment

LO# 2: Demonstrates an understanding of the natural environment

Instructor: Shubham Datta, PhD **Office:** NSC 114

Office hours: Posted on door and by appointment

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Lecture/Lab Schedule: Tues, TH 9:00-9:50/ LAB: TH. 1-2:50 Labs in this course require some travel to the field as outlined in the syllabus. These labs are required as part of the course and occur on a yearly basis with professionals in the field. The schedule of labs is subject to change as required by weather or other circumstances.

Textbook: Introduction to Wildlife and Fisheries: An Integrated Approach. Scalet, Willis and Flake. Second Edition.

Course Requirements: Comprehensive Wildlife/Fisheries Conservation Plan
2 Scientific Papers each 100 pts.

Weekly quizzes each 20 pts.

Weekly lab exercises each 20 pts.

4 laboratory practical quizzes each 20 pts.

Grading schedule:

90-100% = A

80-89% = B

70-79% = C

69-79% = D

<60% = F

Field Trips: TBD. Students may need to travel to various field sites as part of the lab curriculum.

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.

Classroom Policies:

All students will respect the classroom environment which will allow for maximum interaction between students and the professor.

Lab policies: Labs in this class are a privilege. Violation of school procedures regarding student conduct will not be tolerated. Many of the labs are all day field trips and you will be exempt from other classes. However, this does not exempt you from the work that is missed for those classes. All missed work from classes missed because of FWLD 122 lab will be made up per arrangements with the other instructors. Students that violate this will miss out on future field trips. Labs are repeated around the same time each year.

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.