

## **Dakota College at Bottineau Course Syllabus**

**Course Prefix/Number/Title:** FWLD 121 – 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:** Kenneth C Cabarle

**Office:** NSC 113

**Office hours:** : M, T, W 10:00-10:50, W, 2:00-2:50; by appointment

**Office phone:** 701-228-5493

**E-mail:** kenneth.cabarle@dakotacollege.edu

**Lecture/Lab Schedule:** Tues, TH 9:00-9:50/ LAB: TH. 1-4:50 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.

**Course Website:** <https://sites.google.com/site/kencabarle/home/fish-and-wildlife-techniques>

**Textbook:** Field Guide to Birds of North America - Robbins

**Course Requirements:** 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

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.

# **TENTATIVE FIELD TRIP SCHEDULE FALL 2014**

<b>WEEK</b>	<b>TOPIC/TRIP DESCRIPTION</b>	<b>DESTINATION</b>
Aug 25-29	No Labs First Week of classes	DCB
<b>No Class Monday Sept 1st, Labor Day College Closed</b>		
Sept 02-05	Duck Identification	DCB
Sept 08-12	Upland Game Bird ID/Resume Writing and prep	DCB
Sept 15-19	Duck Banding 5:00 am Sept 16 and 18th	JC Salyer NWR
Sept 22-26	No Labs this week	DCB
Sept 29-Oct 3	Sept 30 NEON/Upper Souris NWR Oct2nd	Upper Souris NWR
Oct 06- 10	Oct 07NEON (Alt Date)/ Oct 9th Valley City Ichthyology Lab	VCSU
Oct 13-17	MSU Criminal Justice Program Oct 16th12:30-2:30 MSU	
Oct 20-24	Jonathan Tofteland NDGFD Game Warden Oct 23 <sup>rd</sup> 9:00 a.m.	DCB
Oct 27-31	Bird Dissections	DCB
Nov 03-07	Jonathan Tofteland NDGFD Game Warden Nov 6 <sup>th</sup> 9:00 a.m.	DCB
<b>No Class Tuesday Nov 11th, Veterans Day College Closed</b>		
Nov 10-14	Fish Identification/ND common species	DCB
Nov 17-21	Fish dissections/Basic Fish anatomy/physiology	DCB
Nov 24-28	<b>NO CLASSES Nov 27-28 THANKSGIVING BREAK</b>	DCB

Dec 01-05	Open Lab/Writing Help	DCB
Dec 08-12	Lab Final	DCB
Dec 15-19	Exams	DCB

**FINAL EXAMS: DEC 15-19**