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: Kenneth C Cabarle

Office: NSC 113

Office hours: M,W,F 11:00-11:50, M,W, 2:00-2:50

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 field labs 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. To pass the course Lecture and Lab attendance are required.

Course Website: Moodle Website from DCB Online course site.

Textbook(s): 1. The Wildlife Techniques Manual: Volume 1: Research. Volume 2: Management, 7th Edition Johns Hopkins University Press ISBN: 978-1421401591. (Text is not required but recommended for Wildlife majors.)

Course Requirements:
2 Scientific Papers each 100 pts. The Final Paper is a requirement for the class. A passing grade cannot be achieved if the final paper is not handed in.

Weekly quizzes in Lecture and Lab each 50 pts.

2 laboratory practical quizzes each 100 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.

Student E-mail Policy:

Dakota College is increasingly dependent upon e-mail as an official form of communication. A student's campus assigned e-mail address will be the only one recognized by the campus for official mailings. The liability for missing or not acting upon important information conveyed via campus e-mail rests with the student.

Classroom Policies:

All students will respect the classroom environment that 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. If you have a disability for which

you are or may be requesting an accommodation, you are encouraged to contact your instructor and Kayla O'Toole in the Learning Center (228-5479) as early as possible during the beginning of the semester.

TENTATIVE FIELD TRIP SCHEDULE SPRING 2016

WEEK	TOPIC/TRIP DESCRIPTION	DESTINATION
Jan 11-15	No Labs First Week of classes	DCB
Jan 18-22	Fish Dissections/Basic fish anatomy Quiz	DCB
No Class Monday January 18, Martin Luther King Day		
Jan 25-29	Ice Fishing Lab	Lake Metigoshe
Feb 1-5	Resume Writing and prep	DCB
Feb 8-12	The ND Wildlife Society Meeting Thurs and Friday 11th and 12th	Mandan
No Class Monday February 15, Presidents Day		
Feb 16-19	Mark and Recapture Lab	DCB
Feb 22-26	Introduction to Experimental design/Mark and Recapture Quiz	DCB
Mar 1-5	OPEN	
Mar 9-13	Thursday March 12 Brian Prince NDGFD	DCB
Mar 14-18	**SPRING BREAK**	
Mar 21-25	MSU Criminal Justice Program March 24th12:30-2:30	MSU
March 25 and March 28 No class Easter Break		
Mar 29-Apr 1	Open/ NDGFD staff presentations. RJ Gross	DCB
Apr 4-8	Jonathan Tofteland NDGFD Game Warden April 7th 9:00 a.m.	DCB
Apr 11-15	Field Trip to Bismarck Dan Grove/Hatchery Visit Garrison	NDGFD Bismarck
Apr 18-22	Earth day celebrations/FWLD students help with Earth Day fish dissection presentations on Thurs the 23rd.	

Apr 25- April 29 Upper Souris tour on Refuge Water Management April 28 Upper Souris NWR

May 2-6th Fire management J Clarke Salyer Refuge May 5th J Clarke NWR

FINAL EXAMS: MAY 9-13