SYLLABUS

WLF201, Principles of Wildlife Management, Spring 2000

Lectures: Tues/Thurs 1145-1245, Irv. 201; Lab: Tues 1400-1700, Irv 201

Professor: David W. Willey
Arctic Health 202
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Office Hours: Mon. 1300-1430;
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Teaching Assistant: Chris Nicolai
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Office Hours: TBA

Tentative Class Schedule (We will attempt to complete this agenda):

13 Jan. Introduction and Systematics (Ch.1)
18 Jan. Organismic Wildlife Biology (Ch.3)
20 Jan. Populations of Organisms (Ch.4)
25 Jan Avian Ecology
27 Jan Avian Population Biology and Management (Ch.4)
1 Feb Mammalian Ecology
3 Feb Mammal Populations and Management (Ch.4)
8 Feb Wildlife Movements (Ch.5)
10 Feb Habitat Resources (Ch.6)
15 Feb Food Resources (Ch.7)
17 Feb Exam I (50 pts)
Class Schedule cont’d.

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<th>Date</th>
<th>Topic</th>
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<tr>
<td>22 Feb</td>
<td>Population Biology: Species-Species Interactions (Ch.8)</td>
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<td>24 Feb</td>
<td>Interspecific Competition (Ch.9)</td>
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<td>29 Feb</td>
<td>Predator-Prey Interactions (Ch.10)</td>
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<td>2 March</td>
<td>Predator-Prey Interactions II (Ch.10)</td>
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<td>7 March</td>
<td>Wildlife Diseases (Ch.11)</td>
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<td>9 March</td>
<td><strong>Exam II (75 pts)</strong></td>
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<td>14 Mar</td>
<td><strong>Spring Break</strong></td>
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<td>21 Mar</td>
<td>Sampling Populations (Ch.12)</td>
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<td>23 Mar</td>
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<td>28 Mar</td>
<td>Experimental Design and Wildlife Management (Ch.13)</td>
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<td>30 Mar</td>
<td>Theoretical Wildlife Conservation (Ch.14)</td>
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<td>4 Apr</td>
<td>Applied Wildlife Conservation (Ch.15)</td>
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<td>6 Apr</td>
<td>Wildlife Conservation continued</td>
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<td>11 Apr</td>
<td><strong>Exam III (100 pts)</strong></td>
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<td>13 Apr</td>
<td>Harvest Management and MSY (Ch. 16)</td>
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<td>18 Apr</td>
<td>Harvest Management for Waterfowl</td>
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<td>20 Apr</td>
<td>Habitat Selection</td>
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<td>25 Apr</td>
<td>Habitat Analysis and Management</td>
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<td>27 Apr</td>
<td>Landscape Ecology, GIS, and Wildlife Management</td>
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Class Schedule, cont'd.

1 MAY      Final Exam Review, Concluding Remarks and Final Comments
2-5 MAY    Final Exams

Required Text Book:


Note: Chapters are assigned for each lecture. The readings posted must be completed prior to the lecture, or lab period, during which the material is first discussed. I will also assign additional reading material to support certain labs and lectures.

Grading Procedures:

1. Three Midterm Exams (225 pts) - the exams will be spaced relatively evenly through the semester and will be designed to provide the instructor feedback regarding the material presented in lectures. In order to score well, students will need to be present in lectures and keep up with the reading material.

2. Laboratory Assignments (200 pts), including 1 lab practical on avian and mammalian identification (50 pts); 5 lab exercises (10 pts each); a field project and final report (100 pts).

3. Final Exam (150 pts)

4. Total Points: 575

Grading is based on percentages:

100-90% = A
89-80% = B
79-70% = C
69-60% = D
≤59% = Failure

I may "curve" tests if appropriate. Late assignments will receive a grade of 0 unless special arrangements (e.g., travel to a professional scientific or management meeting), or a doctor’s evaluation of illness, are presented.
Tentative Laboratory Schedule

18 Jan  Identification of Birds (museum study skins and references).
25 Jan  Identification of Mammals (museum study skins & references).
1 Feb   Identification of Birds and Mammals Lab Practical (50 points).
8 Feb   Analysis of Animal Movements (10 pts)
15 Feb  Feeding/foraging Ecology (10 pts).
22 Feb  Populations: Program POPULUS (10 pts).
29 Feb  Program DISTANCE - transect sampling for winter ecology (10 pts).
7 Mar   Wildlife Disease (10 pts).
14 Mar  Spring Break.


Objectives:
- Research Questions (detecting change in habitat and wildlife measurements).
- Variables and method of study.
- Data collection, entry, and analysis.
- Final Written (brief summary) and Oral Reports (100 pts possible for group score).
- NOTE: the team approach allows division of skills and abilities. Each team will be responsible for a key facet of the overall class project, i.e., dividing labor within and/or among field, data analysis, and report preparation phases.

18 Apr: Final Lab Report Review Day (early presentations).

25 Apr: Final reports from study teams (15 minute presentations).