# Syllabus WLF201, Principles of Wildlife Management, Spring 1998

**Instructor:** Eric Rexstad  
**Office:** 401 Irving 1  
**Hours:** 9-10 T, Th  
**Email:** ftear@uaf.edu x7159

Teaching Assistant: Karin Lehmkuhl  
**Office:** 120 AHRB  
**Hours:** 1030-1130 T, Th  
**Email:** ftkl@uaf.edu x7929

## Week | Tuesday Lecture | Tuesday Lab | Thursday Lecture
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12 Jan | | | Introduction
19 Jan | What is wildlife management? (Ch. 1) | Measuring living animals | Individual organisms (Ch. 3)
26 Jan | Mammalian ecology | Mammalian identification | Population of organisms (Ch. 4)
2 Feb | Avian ecology | Avian identification | Animal populations continued  
| | | | Abstract 1 due
9 Feb | Animal movements (Ch. 5) | Lab practical (50 pts)  
| Movement patterns of black bears* | Resources for animals (Ch. 6)
16 Feb | Food supply (Ch. 7) | Forage ecology of mule deer* | In-class exam (50 pts)
23 Feb | Competition within species (Ch. 8) | The study of density dependence* | Population regulation  
| | | | Abstract 2 due
2 Mar | Interspecific competition (Ch. 9) | Habitat measurement of voles | Habitat selection by organisms
9 Mar | Predation: numerical response (Ch. 10) | Habitat analysis of voles* | Second exam (75 pts)
16 Mar | Spring Break | | |
23 Mar | Predation: total response | Discussion of predator management | Wildlife diseases (Ch. 11)
30 Mar | Sampling populations (Ch. 12) | Sampling of a classroom population* | Population sampling continued  
| | | | Abstract 3 due
6 Apr | Third exam (75 pts) | Discussion of Alaskan management | Management as experiment (Ch. 13)
13 Apr | Theoretical wildlife conservation (Ch. 14) | Manipulative management of a population* | Applied wildlife conservation (Ch. 15)
20 Apr | Conservation applications continued | Metapopulation concept* | Harvest management (Ch. 16)  
| | | | Abstract 4 due
27 Apr | Harvest management continued | Discussion of harvesting | Review for exam

* Indicates laboratories with assignments to be submitted

**Final exam:** 10:15-12:15 Thursday, 7 May 1998

**Required textbook:**

Chapters are assigned to be read by the students sequentially from this textbook. Students are requested to have read the chapters noted on the schedule prior to the lecture period during which the material is first discussed.

**Grading criteria:**

- **Three midterm exams (200 pts total)**
  Exams are given approximately every 3 weeks during the semester. This gives me the opportunity to receive feedback from you regarding the material that I have not covered well. It also requires you to keep up to date with the reading material, and offers you the opportunity to recover from poor performances on a single exam.

- **Short writing assignments (4@10=40 pts)**
  These are intended to acquaint you with the way in which scientific writing is done in the field of wildlife management. You will be required to read and summarize an article from the *Journal of Wildlife Management*, which is the primary source of research upon which much wildlife management is based.

- **Laboratory assignments (6@10=60 pts)**
  Most labs will be focused around an activity from which you will be required not only to perform a variety of tasks related to the principles of wildlife management, but also to summarize what you have learned, and place it in a different context (different habitat, different species). The assignments provide feedback regarding the way in which those lessons are incorporated into your knowledge.

- **Final exam (150 pts)**

**Total points: 500**

The determination of a final grade will be based upon a straight percentage (90/80/70/60). I also hope you will keep your eyes peeled for contemporary issues in wildlife management in Alaska (that shouldn't be too hard). Many of our discussions will be taken from the headlines of the newspaper.