WLF 101: Survey of Wildlife Science
CRN 76238, 1.5 credits

Syllabus and Schedule, Fall 2013 (all dates can be subject to change)

Instructor: Falk Huettmann PhD  Teaching Assistant: Garrett Savory
Office: 417 Irving I;  Office: 417 Irving I
E-mail: fhuettmann@alaska.edu  E-mail: gasavory@alaska.edu
Ph: 474-7882, B&W office: 474-7959  Ph: 907 474 7183
Office Hours: 1-2 pm Wed, 2-2:30 pm Fri  Office Hours: 2-3 pm Tue
or by appointment  or by appointment

Course Meeting Times:
Thur 3:45-4:45 pm, Murie Auditorium

Prerequisites: Recommended: a course emphasizing the biology of nonhuman organisms.

Course Goals:
Introduce the principal components of wildlife biology, management and conservation
through presentations and discussions with local wildlife biologists.

Course Description:
Presentations by local wildlife biologists will describe wildlife research, conservation and
management in state, federal and non-governmental organizations. Presentations will
discuss the mission of these different agencies, the role of wildlife biologists and citizen science,
how wildlife management decisions are made and examples of wildlife management projects.
Students are expected to participate in discussions during the presentations. Practical activities,
e.g. radio telemetry, GPS data collection and bird banding will be used to introduce techniques
discussed in lecture.

**Student Learning Outcomes:**

- Become familiar with the mission and type of work conducted by citizens, state, government, and non-governmental agencies involved in wildlife management and conservation.
- Become acquainted with some of the wildlife management and conservation issues in Alaska and for a wider perspective.
- Be introduced to the wildlife faculty in the department of Biology and Wildlife and their research interests.
- Be exposed to areas of wildlife management and research that you will study more intensively as you proceed through the wildlife curriculum.

**Text:**

Readings will be provided on blackboard. The primary sources of the readings will be:


**Grading Policy:**

Your grade is assessed on class attendance, participation in activities, short take-home assignments, and a mid-term and final exam. For any no-shows (without official justification) you lose your activity percentage.
Attendance 10%
Activities 20%
Assignments 10%
Mid-term 35%
Final 35%

**Attendance:** You are expected to attend all classes and may be withdrawn from the class for repeated absences. Missed lectures or exams will be assessed as 0 percent. Notify the instructor as soon as possible if you anticipate missing a lecture or exam and provide official documentation of a legitimate excuse. Notification DOES NOT entitle you to miss class or make up an exam or assignment, but it allows the instructor to consider your request.

**Activities:** You will be required to participate in 3 practical activities during the semester, these will account for 20% of your grade. Extra credit may potentially be given for participating in more than 3 activities. If you do not participate in any activities you will receive an F in the course.

**Assignments and Exams:** 1-3 short assignments will be assigned during the semester. The mid-term and final will be take-home exams and will be due in class the week after they are handed out. Students are expected to work on these individually. Questions will be based on the material presented in lectures and in assigned reading. Therefore, you will be expected to take notes during the presentations.

**Grades will be based on the following:**

<table>
<thead>
<tr>
<th>Final Grade</th>
<th>Cumulative %</th>
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<tbody>
<tr>
<td>A</td>
<td>100 – 85</td>
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<tr>
<td>B</td>
<td>84 -70</td>
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</table>
Field Trips and Practical Activities:

Practical activities are scheduled throughout the semester to give you hands-on experience with some practical techniques used by wildlife managers. These activities will mostly be conducted on Saturdays. You will be required to complete a minimum of 3 activities; more are highly suggested. Credit may be given for alternative activities such as volunteering on a graduate student or a ADFG project for instance. However, you must request credit before participating in the activity, and allowing credit for alternative activities is solely at the instructor’s discretion. It is your responsibility to provide a note to the instructor and TA demonstrating that you have completed an alternative activity.

Support Services:

The instructor will work with the Office of Disabilities Services to provide reasonable accommodation to students with disabilities. Please contact the instructor and the Office of Disabilities Services (203 WHIT, 474-7043) if you require additional assistance.
WLF 101: Survey of Wildlife Science

Course Schedule, Fall 2013

Updates to the schedule will be posted on blackboard.

<table>
<thead>
<tr>
<th>Date</th>
<th>Topic</th>
<th>Speaker</th>
<th>Reading</th>
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</thead>
<tbody>
<tr>
<td>12-Sep</td>
<td>Intro</td>
<td>Falk Huettmann</td>
<td>Krausman Chap 1</td>
</tr>
<tr>
<td>19-Sep</td>
<td>Being smart outdoors in winter</td>
<td>Francis Olive, Outdoor Adventures</td>
<td>Krausman Chap 2</td>
</tr>
<tr>
<td>26-Sep</td>
<td>The world of consulting</td>
<td>Steve Murphy, ABR Consulting</td>
<td>Gilbert &amp; Dobbs Chap 2</td>
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<tr>
<td>3-Oct</td>
<td>Decision making in ADF&amp;G</td>
<td>Tom Paragi, ADF&amp;G</td>
<td>Krausman Chap 3</td>
</tr>
<tr>
<td>10-Oct</td>
<td>Wildlife management in the NPS</td>
<td>Brad Shults, NPS</td>
<td>Krausman Pp 182-188</td>
</tr>
<tr>
<td>17-Oct</td>
<td>Wildlife diseases</td>
<td>Karsten Hueffer, UAF</td>
<td>Gilbert &amp; Dobbs Chap 4</td>
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<td>24-Oct</td>
<td>Case study on wolves – Part I</td>
<td>Perry Barboza</td>
<td>NRC 1997</td>
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<tr>
<td>31-Oct</td>
<td>Case study on wolves – Part II</td>
<td>Perry Barboza</td>
<td>NRC 1997, ADFG 2007</td>
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<td>Mid-term exam due (take-home)</td>
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<tr>
<td>7-Nov</td>
<td>How to get a wildlife job</td>
<td>Patricia Picha, Career Services</td>
<td>Gilbert &amp; Dobbs Pp 251-256, 242-245</td>
</tr>
<tr>
<td>14-Nov</td>
<td>The world of non-profits</td>
<td>Martin Robard, Wildlife Conservation Soc.</td>
<td>Krausman Chap 19</td>
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<tr>
<td>21-Nov</td>
<td>Animal damage control</td>
<td>Terry Smith, USDA</td>
<td>Krausman Chap 11</td>
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<tr>
<td>Date</td>
<td>Event</td>
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<td>28-Nov</td>
<td>Thanksgiving</td>
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<tr>
<td>5-Dec</td>
<td>Wildlife management</td>
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<td>Mark Bertram, FWS</td>
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<td>in the FWS</td>
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<tr>
<td>12-Dec</td>
<td>Final Exam (take home) – Due at 3pm</td>
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WLF 101: Survey of Wildlife Science

Activity Schedule, Fall 2011

Teaching Assistant: Garrett Savory

Office: 417 Irving I

E-mail: gasavory@alaska.edu

Office Hours: 2-3 pm Tue

Ph: 907 474 7183

Information on meeting times and locations will be posted on Blackboard.

<table>
<thead>
<tr>
<th>Date</th>
<th>Activity</th>
<th>Description</th>
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<tbody>
<tr>
<td>16-Sep</td>
<td>Passerine Monitoring</td>
<td>Visit the Alaska Songbird Institute at Creamer’s Field Migratory Waterfowl Refuge, Monday 6:45-9 AM (must be punctual). Learn about songbird identification, banding, and measurement as well as the benefits of citizen science, banding wild birds for research and monitoring.</td>
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<tr>
<td>21-Sep</td>
<td>LARS tour</td>
<td>We will walk the campus trails to the Large Animal Research Station (LARS) for a behind-the-scenes tour. See reindeer, caribou, and muskox and learn about these animals and the research taking place at LARS.</td>
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<tr>
<td>28-Sep</td>
<td>Field day</td>
<td>Explore a wildlife subject on your own, and take notes for your field book.</td>
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<tr>
<td>5-Oct</td>
<td>Scavenger Photo trapping</td>
<td>We will set up digital motion-sensitive cameras on bait stations. May catch ravens, foxes….or wolves. This is group work and involves 3 trap checks over 10 days.</td>
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<tr>
<td>12-Oct</td>
<td>Field GPS &amp; GIS</td>
<td>Learn how to track in the wilderness using a GPS, and all its settings. See how to map GPS data in a Geographic Information System (GIS) and...</td>
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how a GIS can be used for wildlife applications.

19-Oct Duck Banding
We will examine body condition and age structure of a population of mallards that over-winter on the Chena River. Learn how to handle, age, sex, measure, and band wild ducks. A mandatory training session will be required during the week prior to this activity (duck handling session at Animal Quarters).

26-Oct Telemetry
We will break into teams and play "treasure hunt" using VHF radio telemetry and GPS.... A valuable skill for anyone looking for a summer job as a wildlife tech and researcher.

1-Nov Trapping
Learn why and how trapping is a way of life for some Alaskans.
(snow dependent)
Members of the Alaska Trappers Association will discuss trapping philosophy and demonstrate setting a trap line.

5-and 12-Nov Study Skin
Learn to prepare museum quality (well, almost) study skins. We will skin a bird carcass, clean the skin, and learn how to properly mount specimens. 2 students can sign up per session (first come first serve).

16-Nov
Follow-up session

30-Nov Happy Thanksgiving

7-Dec Bat detection and box building
Learn about bats in Alaska, how to use a bat detector and construct bat boxes with Rachel