

# Fish and Wildlife Ecology

## NRES/IB 348

### Syllabus for Fall 2017

**Instructor: Michael Ward**

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**Office Hours:** open, just e-mail me

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**Course Overview:** Welcome to NRES 348! This course is intended to provide an introduction to the ecology, management, and conservation of wildlife and fisheries populations/communities. Emphasis will be placed on basic principles of population ecology, habitat management, and conservation of biodiversity. Material will cover both exploited and non-exploited species. The format of the course is three lectures / week. Several guest lecturers/experts will come in to talk about specific topics (see below). We will also have sessions during which we discuss course -related issues in a more participatory and active learning environment.

**Time and Place:** MWF at 10-10:50; Room 160 English Building

**READINGS FOR LECTURES (FROM VARIOUS SOURCES) WILL BE REQUIRED AND POSTED ON COMPASS (NO TEXT IS REQUIRED).**

**Exam and Grading:** Your grade will be based on the following:

- 1) Quizzes (in class [announced]): 25 points each, four will be given and the lowest grade will be dropped for a total of 75 possible points.
- 2) Mid-term exam: 100 points
- 3) Final Exam: 150 points
- 4) Attendance / participation in "Discussions" and some guest lectures: total of 25 points
- 5) There may be extra-credit points for a 5-page paper on a topic discussed in class or on an ecology and/or conservation of a species. (PLEASE have your topic approved prior to writing the paper)

## Total Possible Points: 350

**NO make-ups for exams or quizzes without prior approval or extreme circumstances**

### **GRADING SYSTEM:**

A+	97 to 100%
A	93 to 96.9
A-	90 to 92.9
B+	87 to 89.9
B	83 to 86.9
B-	80 to 82.9
C+	77 to 79.9
C	73 to 76.9
C-	70 to 72.9
D+	67 to 69.9
D	63 to 66.9
D-	60 to 62.9
F	< 59.9

### **Important Dates:**

October 23<sup>rd</sup> Midterm Exam

December 18<sup>th</sup> at 7:00 AM Final

**Expectations:** Attendance is expected at every class, but if you need to miss a lecture or two, just be sure to keep up to date on the lecture and reading material. **Most** of the lectures will be posted on the class webpage. We will be taking attendance on occasion (mostly during guest lectures). E-mail me at anytime if you have questions or comments.

### **Tentative Lecture Schedule:**

<u>Date</u>	<u>Subject</u>
August 28	Introduction /Handout of Syllabus
30	General Concepts (Ecosystem Management)
Sept. 1	History of wildlife management
4	Labor Day (No Class)
6	History of wildlife management
8	History of wildlife management
11	Basic Community and Population Ecology
13	Applied Population Ecology
15	Conservation Biology
18	Forest Management
20	Technical problems

	22	Grassland Management
	25	Wetland Management ( <b>Quiz</b> )
	27	Careers in Fish and Wildlife ( <b>Wade Louis, INHS Scientists</b> )
	29	<b>Cons Bio / Hunting Discussion</b>
Oct.	2	Primer of Fisheries (Dr. Epifanio)
	4	Aquatic Habitat (Dr. Epifanio)
	6	Aquatic Habitat (Dr. Epifanio)
	9	Ag and Wildlife Ecology
	11	Ag and Wildlife Ecology
	13	Urban Ecology
	16	Urban Ecology / Terrestrial Invasive Species
	18	Terrestrial Invasive Species ( <b>Quiz</b> )
	20	Review for mid-term & <b>Discussion</b>
	23	<b>Mid-term</b>
	25	Wildlife Diseases
	27	West Nile virus /
	30	Conservation Behavior
Nov.	1	Full-life Cycle Conservation
	3	Tropical Conservation
	6	Conservation Genetics ( <b>Dr. Epifanio</b> )
	8	Conservation Genetics ( <b>Dr. Epifanio</b> )
	10	Conservation Genetics ( <b>Dr. Epifanio</b> )
	13	Climate Change and Wildlife Management ( <b>Quiz</b> )
	15	<b>Environmental Policy (J. Flemma)</b>
	17	Landscape Ecology / Endangered Species Act
	20, 22, 24	Thanksgiving Break; have a good one
	27	Environmental Policy / Role of Zoos in Conservation
	29	Environmental Economics
Dec.	1	<b>Restoration Discussion</b>
	4	Human Dimensions of Wildlife ( <b>Dr. C. Miller</b> )
	6	Illinois River Conservation ( <b>Quiz</b> )
	8	Case study bird conservation
	11	<b>Discussion, ICES</b>
	13	Current Issues and Take Home (review for Final)
	18	<b>FINAL (7:00 PM)</b>
	19	<b>Extra-credit paper is due</b>

### **Academic Integrity**

The University of Illinois at Urbana-Champaign *Student Code* should also be considered as a part of this syllabus. Students should pay particular attention to Article 1, Part 4: Academic Integrity. Read the Code at the following URL: <http://studentcode.illinois.edu/> .

Academic dishonesty may result in a failing grade. Every student is expected to review and abide by the Academic Integrity Policy: <http://studentcode.illinois.edu/>. Ignorance is not an excuse for any academic dishonesty. It is your responsibility to read this policy to avoid any misunderstanding. Do not hesitate to ask the instructor(s) if you are ever in doubt about what constitutes plagiarism, cheating, or any other breach of academic integrity.

### **Students with Disabilities**

To obtain disability-related academic adjustments and/or auxiliary aids, students with disabilities must contact the course instructor as soon as possible. To insure that disability-related concerns are properly addressed from the beginning, students with disabilities who require assistance to participate in this class should contact Disability Resources and Educational Services (DRES) and see the instructor as soon as possible. If you need accommodations for any sort of disability, please speak to me after class, or make an appointment to see me, or see me during my office hours. DRES provides students with academic accommodations, access, and support services. To contact DRES you may visit 1207 S. Oak St., Champaign, call 333-4603 (V/TDD), or e-mail a message to [disability@uiuc.edu](mailto:disability@uiuc.edu). <http://www.disability.illinois.edu/>.

### **Emergency Response Recommendations**

Emergency response recommendations can be found at the following website:

<http://police.illinois.edu/emergency/>. I encourage you to review this website and the campus building floor plans website within the first 10 days of class. <http://police.illinois.edu/emergency/floorplans/> .

### **Family Educational Rights and Privacy Act (FERPA)**

Any student who has suppressed their directory information pursuant to *Family Educational Rights and Privacy Act* (FERPA) should self-identify to the instructor to ensure protection of the privacy of their attendance in this course. See <http://registrar.illinois.edu/ferpa> for more information on FERPA.