

Fish and Wildlife Ecology

NRES/IB 348

Syllabus for Fall 2020

Instructor: Michael Ward

Offices: N415 Turner Hall

e-mail: mpward@illinois.edu; **Phone:** 244-4089

Office Hours: open, just e-mail me

Teaching Assistant: Wendy Dorman

Office: S217 Turner Hall

e-mail: wdorman2@illinois.edu

Office Hours: open, just e-mail

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. 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 149 National Soybean Research Center

COVID Safety Precautions: In order to mitigate the spread of COVID students will be required to wear masks and follow the vaccination/testing requirement laid out by campus.

Online students: The course is designed and being taught in the context of an in-person course. We have allowed a few students to register for the online section of the course. We will setup a separate compass site for the virtual students allowing them to view lectures, take quizzes, participate in discussions, and take tests on compass (so disregard some of the next topics). Zoom will be used for the online students, with the links in compass.

READINGS FOR LECTURES WILL BE REQUIRED AND POSTED ON COMPASS (NO PHYSICAL TEXT IS REQUIRED).

At this point we are using compass and just exploring canvas.

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

- 1) Quizzes: 25 points each, four will be given at the times outlined in the syllabus. The lowest grade will be dropped, the quizzes will be administered in person during the last 25 minutes of the class (a total of 75 possible points).
- 2) Mid-term exam (exam in person in the classroom): 100 points
- 3) Final Exam (exam in person in the classroom): 100 points
- 4) Attendance / participation (attending guest lectures) in the 4 Discussions (conducted in class): 32 points
- 5) In-class Field Trip (we will walk from class to the U of I arboretum): 10 points
- 6) A 5-7 page paper on a topic discussed in class or on the ecology and/or conservation of a species. (PLEASE have your topic approved prior to writing the paper). 40 points. More details to come.

Extra-Credit: ID wildlife and plants: 10 points

Total Possible Points: 357 + 10 extra credit

NO make-ups for exams or quizzes without prior approval

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 22nd -- Midterm Exam

December 13th -- Final

Expectations: Attendance is expected at every class. Most of the PowerPoint lectures will be posted on compass. We expect the online students to attend the course at the scheduled times. We will be recording the lectures via Zoom, but these will only be made available to students who have a good excuse for missing lecture.

Lecture Schedule (Tentative):

Syllabus is subject to change as we work to provide guest lectures. We will update the syllabus and let students know when there are changes.

<u>Date</u>	<u>Subject</u>
August 23	Introduction /Handout of Syllabus
25	General Concepts (Ecosystem Management)
27	Basic Community and Population Ecology
30	History of wildlife management
Sept. 1	History of wildlife management
3	Applied Population Ecology
6	Labor Day (No Class)
8	Conservation Biology
10	Conservation Biology
13	Grassland Management
15	Forest Management (Quiz)
17	Forest Management
20	“Learn to Hunt” Program (Dan Stephens)
22	Aquatic Systems and their Management
24	Fish Ecology / Fish Harvest Theory (Dr. Joe Parkos)
27	Wetland Management
29	Conservation Biology/Hunting Discussion
Oct. 1	Urban Ecology
4	Urban Ecology
6	In-class (Field Trip) I (Last names A – I)
8	In-class (Field Trip) II (Last names M – Z)
11	Agriculture and Wildlife Ecology
13	Landscape Ecology (Wendy Dorman) (Quiz)
15	Agriculture and Wildlife Ecology
18	Careers in Fish and Wildlife (Wade Louis, IDNR, Alison Stodola, INHS, Evan Shorr, Arborist)
20	Discussion / Review for mid-term
22	Mid-term
25	Grad School / go over Mid-term

	27	Invasive Species
	29	Invasive Species Wildlife Diseases/ Effect of Pandemic on Wildlife
Nov.	1	Full-life Cycle Conservation
	3	Fish Conservation (HIPPO) (Dr. Joe Parkos)
	5	Latin American Conservation
	8	Conservation Behavior
	10	Conservation Behavior / Role of Zoos in Fish and Wildlife (Quiz)
	12	Climate Change and Wildlife Management
	15	Restoration/Management Discussion
	17	Human Dimensions of Wildlife (Eric Walberg)
	19	Environmental Economics
	22, 24, 26	Thanksgiving Break; have a good one!
	29	Endangered Species Act
Dec	1	Conservation Genetics (Quiz)
	3	Illinois River Conservation
	6	Case study bird conservation
	8	Current Issues and Take Home (review for Final) Discussion
	13	FINAL (1:30-4:30)
	16	Paper and Extra Credit is due at midnight

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. <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.

Sexual Misconduct Policy and Reporting

The University of Illinois is committed to combating sexual misconduct. Faculty and staff members are required to report any instances of sexual misconduct to the University's Title IX and Disability Office. In turn, an individual with the Title IX and Disability Office will provide information about rights and options, including accommodations, support services, the campus disciplinary process, and law enforcement options.

A list of the designated University employees who, as counselors, confidential advisors, and medical professionals, do not have this reporting responsibility and can maintain confidentiality, can be found here: <https://wecare.illinois.edu/resources/students/#confidential>