FISHERIES AND WILDLIFE MANAGEMENT

Room GY143
Days: T, TH
Time: 5:30 – 6:45 PM

INSTRUCTOR INFORMATION:
Mark Bennett   Home: (812) 849-9114
E-mail: maebenne@indiana.edu
SPEA Secretary - Jennifer Mitchner: SPEA Rm. 341 phone: 855-7980
Office hours: Before and/or after class each night in GY143
My secretary and mailbox are in SPEA 341.

Do not hesitate to call me at home any time you have a question or a concern! On class evenings, I will arrive 30 minutes before the beginning of class. I can meet with you then, and am willing to remain after to discuss any class related subject or problem. If you wish to make an appointment for either of those times, let me know and you will be moved to the front of the line. It will be my practice to arrive early for class regardless of whether or not there are scheduled appointments.

Overview
The business of fish and wildlife management has changed over the years and will continue to change. The public is becoming more involved in decisions that affect how the professionals conduct management.

This semester, we will discuss the history of wildlife management as well as the changes that have led to where we are today. We will use specific examples of habitat and species management in order to illustrate management techniques and philosophies. My goal is to acquaint you with enough information, so when you see decisions made by agencies in the future you will have an understanding as to what is going on behind the scenes.

GOALS & OBJECTIVES
I realize that most of you will not become professional fish or wildlife managers; however, I do expect many of you will work in conservation or an environmentally related field. As a result, I hope an understanding of the past and knowledge of present fish and wildlife management philosophies and techniques will benefit you. Even if you do not work in a natural resources or related field I hope the information you gain from taking this class will give you a greater appreciation of our fish and wildlife resources and how they are managed. My goal is to not only acquaint you with the history, theory and philosophy of management, but also many programs, tools and techniques used in fish and wildlife management today. We will specifically discuss many fish and wildlife species and use them to illustrate management schemes. We will also incorporate current events and situations confronting management agencies today. In doing this we will consider problems and conflicts of management in today’s resource-demanding
world, as well as “people management” and Law Enforcement as integral parts of fish and wildlife management in particular, and resource management in general. Finally, I hope to **enthuse** and **encourage you to get out and enjoy** our resources with a new appreciation and additional information regarding how important management is to ensuring a “bright” future for our fish and wildlife resources.

**OBJECTIVES**

Use this list of objectives to determine how well you understand fisheries and wildlife management. These goals should serve as a good preview as well as a review of what we discuss this semester.

- Understand why management is necessary!
- Understand the history of wildlife management on this continent, including past failures and successes through an intensive study of the “**North American Conservation Model**” (know this model!)
- Become familiar with life histories and taxonomy of many common and some rare and threatened species and be able to use them to illustrate certain management activities.
- Discuss **funding** of resource management: who pays for resource management?
- Understand how basic ecological concepts: population dynamics, energy flow, predator/prey relationships, succession, etc., affect the management of our fish and wildlife resources.
- Discuss **habitat types**, their **management** and the specific requirements of some species that cause them to depend on their preferred habitat types
- Discuss the **behavior** of some species and how managers use animal behavior to conduct surveys, perform reintroductions, deal with nuisance problems, and realize other management objectives.
- Discuss many of the conflicts and problems confronting managers and management today; problem species (exotics), nuisance wildlife, wildlife damage, etc.
- Discuss "people management” and how it affects wildlife management.
- Understand management tools: surveys, law enforcement, habitat management techniques, hunting & trapping, fishing, stocking, reintroductions, etc.
- Discuss how state and federal agencies along with private organizations are involved in resource management.
- Learn the major programs involved in managing habitats and fish and wildlife species.
- Discuss wildlife diseases, their importance and impacts to both humans and wildlife populations.

**TEXT AND OTHER RESOURCES**

There is no formal text for this course. There are two books I want you to read. I will also direct you to additional books, journals and Internet sites to increase your knowledge concerning certain subjects. Please read the materials indicated. They will enhance your learning and you will be tested on their content.
The Beast in the Garden authored by David Baron
This is the true account of cougar-human interactions on the Front Range of the Rocky
Mountains. This is one of the best books for you to understand the problems and difficulties in
managing habitats, people and wildlife together in today’s society. We will refer to this book
throughout the semester.

Sand County Almanac by Aldo Leopold
This is a timeless collection of essays written by the “father” of wildlife management on this
continent. You will enjoy the reading, learn from it, and we will have a short quiz on its content.

GRADING AND ASSIGNMENTS

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<tr>
<th>ASSIGNMENT</th>
<th>Points</th>
<th>Date Due</th>
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<tbody>
<tr>
<td>SCA Quiz</td>
<td>50 pts</td>
<td>28 September</td>
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<tr>
<td>Exam I</td>
<td>100 pts</td>
<td>12 October</td>
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<td>Exam II</td>
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<td>18 November</td>
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<tr>
<td>Beast in Garden Quiz</td>
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<tr>
<td>Management Paper</td>
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<td>2 December</td>
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<tr>
<td>Final Exam</td>
<td>100 pts</td>
<td>16 December: 7:15 pm</td>
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Total Points 400 (450 for Grads)

The paper is due on the date indicated. I will not accept it late because that is not fair to
the rest of the class. There will be no make-up exams! The grading scale will be the standard:
>90=A; 80-89=B; 70-79=C; 60-69=D.

There will not be an opportunity to receive extra credit. Attend class, dig in and keep up and you
should not have the need.

DO NOT CHEAT! Academic and personal misconduct by students in this class are defined and
dealt with according to the procedures in the Code of Student Ethics. If I catch you, you will
receive a 0 (zero) on that test or paper. No excuses, no appeal no retakes.

A Sand County Almanac Quiz 50 pts 28 September

I will provide you a selection of questions from which to choose. You will answer with a short
explanation detailing what Leopold was saying and its significance.

Exam I: 100 pts. 12 Oct. We will discuss the format in class, but essay, short
answer, multiple choices and fill in the blank type questions are all fair game. This exam will
cover all we have discussed to date in class and any materials that you should have read.

Exam II: 100 pts. 18 Nov. This exam will cover material we have read and discussed
since the last exam, again including guest speakers and readings. The format of the exam will be
similar to the first exam and will be discussed again before the exam.
Grad Management Paper  50 pts  2 December
Graduate students will write a management paper. This paper will be on a topic that I assign. We will have a meeting to discuss this project.

Beast in the Garden Quiz  50 pts  7 December
This will be a quiz over the book and our discussions of the book in class.

Final Exam  100 pts  16 Dec  Format to be discussed.
The final exam will cover what we have learned during the semester. Emphasis will be placed on material covered since the last exam, but a good understanding of what we have learned throughout the semester will be very helpful.

Graduate Students: Graduate students will be given more in depth and challenging questions on the exams. Their exams will be graded as a unit and separate from those of undergraduate students.

Class Participation
I encourage questions and discussions during lecture. Your participation and attendance grade will be taken into consideration as I grade your work (both papers and exams). If you do not attend, do not pay attention during class, or do not add to our discussions, you may not receive the benefit of the doubt during grading. Also, anything discussed in class may appear on an exam. If you do not attend regularly, I doubt you will do well on the exams. Please attend class and join in! I expect to learn from you also.

Class Schedule
I will stick to the attached schedule as much as possible. Certain issues will occur during the semester and we may take extra time to discuss them. If I detect a special interest by you during the semester, we may spend more time on that topic than planned or discuss an entirely new topic. As a result, I reserve the right to deviate from the schedule somewhat. Exam questions will cover the material presented in class including the graduate presentations, and all readings you are responsible for up to the date of the exam.

Please attend class, participate, let me know if you have any problems or questions, and let’s all have a good and enjoyable semester while we learn about fish and wildlife management!