

**Fisheries Management
FW 479
Spring, 2004**

Instructor: Dr. Mary Bremigan
Room 13C Natural Resources
432-3831
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Text: Kohler, C.C. and W.A. Hubert. 1999. Inland Fisheries Management in North America. American Fisheries Society, Bethesda, Maryland, USA.
I will place a copy of this book on reserve at the library.

Add'l Readings: *Supplemental readings will be placed on reserve at the library.*

Class Times: Lecture: M W 11:30-12:20 PM Rm. 223 Natural Resources
Recitation: M 3:00-4:50 PM Rm. 105 Bessey Hall

Office Hours: W 12:30 – 1:30 PM and by appointment

Course Objectives:

This course introduces the fundamental principles of fisheries ecology and management. By emphasizing the approach and thought-processes that underlie sound management, it prepares you to tackle future management decisions responsibly. In so doing, we will combine “theory” with real-world “case studies” to evaluate (1) the quantitative nature of fish population assessment, (2) the complexity of ecological interactions linking fish to other components of aquatic communities and ecosystems, and (3) the challenge of balancing multiple human values in managing fisheries resources. By encouraging you to integrate lectures, readings, recitation discussions, and written assignments, I strive to provide you a strong foundation in your understanding and practice of fisheries management.

Recitation: In recitation, our activities will include statistical problem sets, discussions with fisheries management professionals, and student presentations.

Statistical problem sets. In the problem sets, you will be given data sets and computer exercises to develop your abilities to analyze and interpret fishery data and evaluate management programs. In general, data analysis will be initiated in recitation, and follow up questions will be due one to two weeks later. In some cases, you may be encouraged to work in small groups (1-3 people) on the statistical problem sets.

Note: On three occasions we will meet in a computer microlab for recitation. These dates and locations are:

January 26 – Rm. 218 Natural Resources

February 16 – Rm. 152A Plant and Soil Science

February 23 – Rm. 218 Natural Resources

Discussions with fisheries management professionals. Many of our discussions will benefit from participation of fisheries management professionals representing Fisheries Division of MDNR, FW faculty, and the Great Lakes Fishery Commission. These individuals are graciously giving of their time to improve your learning experience and provide valuable insights regarding careers in fisheries management. Your preparation for and participation in these discussions are expected. You will share responsibilities for introducing these individuals to the class. Follow-up written assignments will encourage you to reflect on what you learned. Further details will be provided in recitation.

Student presentations. You will work in groups of 1-2 students to prepare and deliver a Powerpoint presentation (~20 minutes, followed by questions and discussion). A handout detailing additional information about the presentations will be provided separately.

Class Participation: Class participation will be evaluated on the basis of participation in recitation discussions and brief in-class assignments that will be collected periodically on an unannounced schedule.

Grading: Grades will be based as follows:

90 - 100%	= 4.0	70 - 74.9%	= 2.0
85 - 89.9%	= 3.5	65 - 69.9%	= 1.5
80 - 84.9%	= 3.0	60 - 64.9%	= 1.0
75 - 79.9%	= 2.5	< 60%	= 0.0

Evaluations and percent of final grade:

Two Midterm Exams	30%
Comprehensive Final Exam	25%
Recitation problem sets & Discussion/lecture follow-ups	20%
Recitations presentation	15%
Class participation	10%

Exam Dates:

Exam 1	Feb. 9, recitation
Exam 2	March 22, recitation
Final Exam	May 4, 10am - noon

Additional Information:

- Please keep your cell phone off during class.
- If you have a disability or special need that requires accommodations, please inform me immediately, so that we can develop an appropriate plan. If you have not yet contacted the Resource Center for People with Disabilities, please call 353-9642(voice) or 355-1293 (TTY) to make an appointment with a counselor.
- Commercialization of lecture notes and university-provided materials is NOT permitted in this course.
- I have a zero-tolerance policy for cheating. Article 2.3.3 of the Academic Freedom Report states that 'the student shares with the faculty the responsibility for maintaining the integrity of scholarship, grades, and professional standards'.
- If you must miss an exam for health reasons, memorial services, observance of a religious holiday, or required activity for another course, please notify me ahead of time, and provide appropriate documentation.