

E555 - FISHERIES MANAGEMENT Monday and Wednesday 5:45pm to 7:00 pm

Sandy Clark-Kolaks

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Office hours: 5:30 on class evenings, and after class (additional by appointment) in the classroom. On class days, I will arrive 30 minutes before the beginning of class and am willing to stay after class. If you wish to make an appointment outside of those times please email or text me.

Course objective:

This course will provide students with an introduction and overview of the processes for managing fisheries in a variety of environments. The course will cover the basics of fish biology, ecology and management, with an emphasis on public involvement. Students will gain an understanding of quantitative fisheries methods, including population dynamics and management strategy evaluation, and presentation of scientific information in both written and spoken form. Students will be expected to think critically, apply scientific method, and recognize the limitations of techniques and explore solutions.

Required materials: There is no assigned textbook for this class but supplemental reading materials will be posted on Oncourse and/or emailed. Please read these materials as they will be used in class as discussion topics and their content will be included in tests.

Grade breakdown:

Class participation 25 points

Exam 1 50 points

Exam 2 50 points

Quizzes 55 points

Presentation 25 points

Final exam 75 points

There will be no make-up exams, it is too difficult to schedule and is generally not fair to the rest of the class! Do not miss the exams! The grading scale will be the standard in Canvas.

Academic Integrity

No form of academic dishonesty will be tolerated. This course requires individual integrity and professionalism from all students. If academic dishonesty is proven, you will receive a grade of zero for the work; repeat offense is grounds for failure in the course. A website defining plagiarism, with examples of acceptable and unacceptable ways to give credit for the ideas and words of others, and a separate self-test is available online. You are responsible for understanding the concept of plagiarism and for avoiding it at all times. Plagiarism is not acceptable in group or individual work.

Main plagiarism web site: <http://www.indiana.edu/~istd/>

Self-test: <http://www.indiana.edu/~tedfrick/plagiarism/item1.html>

Week	Date	Lecture Topic
1		Course Overview
		Class Canceled-DNR Pond Workshop
2		Tragedy of the Commons
		Process of fisheries management
3		Holiday – Labor Day
		Fish sampling
4		Fish sampling
		Ichthyology
5		Length, weight, and structural indices
		Lake scenario
6		Exam #1
		No class-Go fishing
7		Age and growth/Glenn Flint
		Age and growth/Fillet workshop
8		Angler surveys
		Mortality
9		Abundance estimations
		Population growth
10		Scenario
		Exam #2
11		Yield-per-recruit model
		Yield-per-recruit model
12		Rivers and streams
		Reservoirs/habitat creation
13		Lake Michigan
		Scenario
14		Holiday - Thanksgiving
15		Hatcheries and stocking
		Invasive and nuisance species
16		Fish kills and fish diseases
		Group presentations
17	Final Exam	Exam 3

Major disruptions in your life

It's easier to help if we know something is going on. Please try to be in touch as soon as you can - it makes it easier for all of us in the long run, even if it is difficult in the short run to bring yourself to talk about it. You don't owe us the details – just a message that life has become difficult or complex and some idea of what kind of timeframe you think might be involved will help us to help you best.

Incompletes. The grade of Incomplete used on the final grade reports indicates that the work is satisfactory as of the end of the semester but has not been completed. The grade of Incomplete may be given only when the completed portion of a student's work in the course is of passing quality. Instructors may award the grade of Incomplete upon a showing of such hardship to a student as would render it unjust to hold the student to the time limits previously fixed for the completion of his/her work. (<http://policies.iu.edu/policies/categories/academic-faculty-students/academic-student-affairs/incompletes.shtml>)

Late Withdrawal. Withdrawal after the automatic withdrawal period requires approval by the instructor and relevant Program Director, and must be based on dire circumstances relating to extended illness or equivalent distress (IU Enrollment and Student Academic Information Bulletin). Requests to drop due to a failing grade will not be approved. You must be passing the course at the time of withdrawal. Contact your advisor or the appropriate Program Director if you want to petition for late withdrawal.

General sources of student support

Disability Services for Students. Securing accommodations for a student with disabilities is a responsibility shared by the student, the instructor and the DSS Office. For information about support services or accommodations available to students with disabilities, and for the procedures to be followed by students and instructors:

<http://studentaffairs.iub.edu/dss/>.

SPEA Honor Code. SPEA takes matter of honesty and integrity seriously because SPEA is the training ground for future leaders in government, civic organizations, health organizations, and other institutions charged with providing resources for the public, and for members of society who are vulnerable and who are lacking in power and status. Precisely because SPEA graduates tend to rise to positions of power and responsibility, it is critical that the lessons of honesty and integrity are learned early. https://spea.indiana.edu/doc/undergraduate/ugrd_student_honorcode.pdf

Counseling and Psychological Services (CAPS). Dr. Chris Meno (cmeno@indiana.edu) is available to work with SPEA students; other CAPS staff are also available at the Student Health Center. Dr. Meno works specifically with SPEA and has office hours in the building. An after-hours crisis line is at 812-855-5711, option 1.

Students in Financial Crisis. The Student Advocates Office can help students work through personal and academic problems as well as financial difficulties and concerns in order to help students progress towards earning a degree. In addition to advising student on appeal and financial issues such as financial aid or tuition, they also have emergency funds for IU students experiencing emergency financial crisis. <https://studentaffairs.indiana.edu/student-advocates/>

IU resources related to sexual violence – language offered by the Provost

As your instructor, one of my responsibilities is to help create a safe learning environment on our campus. Title IX and our own Sexual Misconduct policy prohibit sexual misconduct. If you have experienced sexual misconduct, or know someone who has, the University can help.

If you are seeking help and would like to speak to someone confidentially, you can make an appointment with:

The Sexual Assault Crisis Service (SACS) at 812-855-8900

Counseling and Psychological Services (CAPS) at 812-855-5711

Confidential Victim Advocates (CVA) at 812-856-2469

IU Health Center at 812-855-4011

For more information about available resources: <http://stopsexualviolence.iu.edu/help/index.html>

It is also important that you know that federal regulations and University policy require me to promptly convey any information about potential sexual misconduct known to me to our campus' Deputy Title IX Coordinator or IU's Title IX Coordinator. In that event, they will work with a small number of others on campus to ensure that appropriate measures are taken and resources are made available to the student who may have been harmed. Protecting a student's privacy is of utmost concern, and all involved will only share information with those that need to know to ensure the University can respond and assist.

I encourage you to visit stopsexualviolence.iu.edu to learn more.