

Aquaculture — Zoology 477
Fall

COURSE DESCRIPTION: Zoology 477-Aquaculture. Synthesis of information relating to the successful rearing of aquatic organisms under controlled or semi-controlled conditions. Topics include: indoor and outdoor rearing techniques of regional aquacultured organisms, water quality, nutrition, harvest and transport, disease prevention, diagnosis, and treatment. Two lectures per week. Bi-monthly laboratories.

PREREQUISITES AND COREQUISITES: Knowledge of basic information from a number of subject areas which are synthesized in the prerequisite, such as fish biology and at least ten hours of biology or by instructor consent.

REFERENCED TEXTS:

Fish Hatchery Management 2^{ed}. G.A. Wedemeyer, American Fisheries Society, 2001
Principles of Aquaculture. R.R. Stickney, John Wiley & Sons, 1994.
Freshwater Aquaculture. W.O. McLarney, Hartley & Marks Publishers Inc., 1998.
Fundamentals of Aquaculture. J.W. Avault, Jr., AVA Publishing Company Inc., 1996.

EDUCATIONAL OBJECTIVES:

- 1) To provide a basic understanding of the principles of aquaculture.
- 2) To develop an awareness of the design features of various culture systems.
- 3) To consider the means for culture of major groups of species.

INSTRUCTOR: Dr. Christopher C. Kohler, Professor
Office: Life Science II, Room 175
Phone: (618) 453-2890
E-mail: ckohler@siu.edu
Office Hours: by appointment

BASIS OF GRADE:	2-one hour exams	= 200
	Final Comprehensive Exam	= 200
	<u>Laboratory write-ups</u>	<u>= 100</u>
	Total Points	= 500

Tentatively, final grades will be assigned using the distribution:

A = 450 points and above	B = 400-449 points	C = 350-399 points
D = 300-349 points	F = below 300	

The instructor reserves the right to *lower* this grade distribution range, but the grade distribution will *not* be raised. Unavoidable conflicts with the exam schedule will result in a different, essay-style exam.

MEETING TIMES AND PLACES:

Lectures: 9:00 - 10:00 AM, Tuesday and Thursday, LSII, Room 367
Laboratory: 1:00 - 4:00 PM, Alternate Fridays, LSII, Outside Room 170