

COURSE SYLLABUS

COURSE: **AQU 112** **AQUACULTURE II**

HOURS: Lecture: 3 Lab: 0 Shop/Clinical: 0 Credits: 3

COURSE DESCRIPTION:

This course covers the specific culture techniques used in the production of a variety of aquatic species. Emphasis is placed on species of economic importance in North Carolina, especially channel catfish, hybrid striped bass, rainbow trout, crawfish, clams and oysters. Upon completion, students should be able to describe the various culture methods and prepare a production plan for each of the species covered.

PREREQUISITE(S): ENG 085

COREQUISITE(S): None

TEXTBOOK(S) & OTHER SPECIAL REQUIREMENTS:

Avault, Jr., James W. *Fundamentals of Aquaculture*. Baton Rouge, LA: AVA Publishing, 1996. Print. ISBN# 0964954907
Readability Level: 12

STUDENT LEARNING OUTCOMES:

Upon successful completion of this course, the student will be able to:

1. Discuss culture techniques used in North Carolina and elsewhere for the production of channel catfish, largemouth bass, and other warm water finfish species.
2. Describe culture techniques for the production of rainbow trout in coldwater raceways and ponds of the North Carolina mountains, and culture of cool water species such as yellow perch
3. Discuss bottom and off-bottom culture of Atlantic and Pacific species of oysters, and the outlook for the future of oyster culture in the coastal waters of North Carolina.
4. Describe hard clam culture techniques, including the production of early stages in upweller and raceway systems as well as bottom culture to market size. Constraints to clam culture and economic viability of clam culture in coastal North Carolina is a central theme.
5. Discuss culture methods for crawfish in current use in the southeastern U.S., including pond production of hardshell crawfish, intensive soft-shell crawfish production, crawfish tailmeat processing, and economics of crawfish production.
6. Describe culture techniques for the penaeid (marine) shrimps as well as freshwater shrimp in various parts of the world.
7. Discuss the construction and management of water gardens.

SYLLABUS INFORMATION:

The Student Learning Outcomes listed in this syllabus are those required actions that a student who successfully completes the course must be able to perform. The educational experience, however, is a two-way, interactive process involving both the student and the instructor. The student must play an active role in the learning process in order to be successful. Instructors will provide an Instructor's Syllabus at the first class meeting explaining how they measure each of the Student Learning Outcomes. A student who is unable to accomplish the outcomes will not receive a passing grade in the course.

The information in this BCC Syllabus may not be accurate beyond the current semester. Textbooks and other course materials are subject to change. Students should verify the textbooks at the first class meeting with their instructor prior to purchasing.

GRADING SYSTEM:

Brunswick Community College employs a system of letter grades and corresponding quality points per grade to evaluate a student's performance in meeting the stated goals and objectives for each course. The grading system is published in the BCC Catalog and Student Handbook.

ATTENDANCE POLICY:

Each student has individual responsibility for attending class regularly and for meeting course objectives. A student is expected to attend all class meetings in a course. Rules on tardiness and leaving class early are addressed in each instructor's syllabus. Instructors are required to record absences and report excessive absenteeism to the Registrar.

If a student is absent for any reason in excess of 20 percent of the class hours, he or she is in violation of the Brunswick Community College attendance policy. Unless the student officially withdraws from the course prior to the 65 percent point of the 16 week semester (or equivalent days for courses of other duration), he or she may receive a grade of "F."

Students who receive an "EXCESSIVE ABSENTEEISM NOTICE" are advised to contact their instructors immediately to review the conditions for withdrawing from the course or for continuing the course.

STUDENTS WITH DISABILITIES:

Brunswick Community College complies with the Americans with Disabilities Act and Section 504 of the Rehabilitation Act, which require that no qualified student with a disability be excluded from participation in or be denied the benefits of any services, programs or activities on the basis of his or her disability. If a student has a disability that is covered by the Americans with Disabilities Act and requires accommodations in the classroom and/or in extracurricular activities, the student must request the accommodations in

writing and submit the request to the Disability Services Coordinator. Instructors will not provide accommodations without notification from the Disability Services Coordinator. Brunswick Community College will make every effort to provide reasonable accommodations.