

2010- TRENDS IN MARINE AQUACULTURE (FISH 7960/8960)

COURSE: FISH 7960/8960, Special Problems, *Trends in Marine Aquaculture*, 2 credit hours

MEETING TIME / LOCATION: Wednesday, 3:00-6:00 pm / Swingle Conference Room

OFFICE HOURS / LOCATION: open

PREREQUISITES: Permission of primary instructor (Bullard)

INSTRUCTORS: Dr. Ash Bullard (office phone: 334-844-9278; ash.bullard@auburn.edu)

Dr. Cova Arias (office phone: 334-844-9215; ariascr@auburn.edu)

COURSE OBJECTIVES AND APPROACH: Students will gain an appreciation and familiarity for modern trends in global marine aquaculture through directed readings of recent peer-reviewed literature complemented by open group discussions. Such discussions will address the challenges and opportunities of marine aquaculture, including the present state of technologies in the Americas, European Union, Australia, SE Asia, and other geographic localities. Class group discussions will include fishes and shellfishes cultured in the sea as well as in inland recirculating aquaculture systems using saltwater. Each student will scrutinize the week's literature assignment and orally present a synopsis of the work, including their own ideas and perspectives, to the class for open group discussion.

COURSE MATERIALS: Relevant peer-reviewed scientific literature concerning marine aquaculture (to be assigned or selected by class participants).

GRADING POLICY: Students will be evaluated based on the following criteria and grading scale.

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| 1. Contribution to open group discussion: | 50 possible points |
| 2. Competency in finding relevant literature: | 25 possible points |
| 3. Competency in presenting relevant literature: | 25 possible points |
- A = 100-90%; B = 89-80%; C = 79-70%; D = 69-60%; F < 60%

JUSTIFICATION FOR GRADUATE CREDIT. This course is intended for graduate students since a basic knowledge of general biology, aquatic sciences, marine biology, and molecular biology is expected. Students must read, synthesize, summarize, and discuss scientific papers. Students will be required to work independently towards presenting syntheses of assigned and supplemental readings.

HOW THIS COURSE WORKS & HOW YOU WILL BE EVALUATED:

We have class on Wednesdays.

Each week, a pair of students will select or be assigned a broad topic area.

The pair will obtain 3 peer-reviewed periodicals (or in some cases government agency reports) on a unified theme within the topic area.

No later than 8 am on Monday of each week, the student pair will e-mail all members of the class and Bullard and Arias the papers as PDFs.

The first 15-30 minutes of each class meeting period will be dedicated to the pair presenting a detailed critique and overview of the e-mailed papers.

The pair will construct 3 broad questions for the class to discuss as a group.

The pair will be expected to lead that discussion(s) (i.e., know the "answer" to the questions!)

ATTENDANCE POLICY: You are expected to attend class. Missing a meeting will likely affect your grade directly or indirectly.

WITHDRAWING FROM COURSE: Departmental and University policies are followed herein; see appropriate semester schedule for those policies as well as their respective deadlines.

ACCOMODATIONS FOR DISABILITIES: See your instructor during the first week of classes if you are registered with Disabled Students Services and need special consideration.

Other rules and policies can be found at www.auburn.edu/tigercub/