

INTRODUCTION TO AQUACULTURE
AQUA 262 / Mare 262
Spring 2004

Class Times: Tuesday and Thursday - 8:00 to 9:15 AM

Meeting Place: UCB 112

Instructor: Kevin Hopkins
Office: Hale Aloha 208
E-mail: hopkins@hawaii.edu
Telephone: 933-3186
Office Hours: 8:00 to 12:00 on Monday and Wednesday

Textbook: Landau, Matthew. 1992. Introduction to Aquaculture

Course Objectives: Students completing this course will have a thorough understanding of the worldwide extent and importance of aquaculture in the production of food, chemicals, recreation and environmental mitigation. The students will become familiar with the major types and components of aquaculture systems, species, and factors affecting system sustainability.

Required Readings: Students will be required to read the whole textbook plus a few other papers. The readings should be completed before the corresponding class period.

Daily Quizzes: A very brief quiz on the readings for the day will be given during the first 5 minutes of each class period. These quizzes are graded as follows: present but wrong answer 2 points; partially correct 6 points; completely correct 10 points

Examinations: There will be three examinations, the last given during final examination week. They may be cumulative. For the first examination, review questions will be provided. For the second examination, an in class review will be held. For the third examination, no reviews will be provided.

Synopsis: Each student will be required to research an aquaculture species and write a 8 to 10 page species synopsis. Detailed instructions will be provided during the first or second week of class.

Grading: The grades will be determined as follows:

Daily Quizzes	10%
Synopsis (Draft)	5%
Synopsis (Final)	25%
Examinations	60%

Requirements for each grade level are:	A	90 - 100%
	B	80 - 89%
	C	70 - 79%

Special Accomodations: Any student with a documented disability who would like to request accommodations should contact the University Disability Services Office.

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Class Schedule – Spring 2004

Date	Topic	Readings
Jan 13 & 15	Introduction & history of aquaculture	Landau, p. 1-21, Costa-Pierce + Bay papers
Jan 20 & 22	Water quality	Landau, p. 21-38 & 306-312
Jan 27 & 29	Aquaculture Systems	Landau, p. 39-70
Feb 3 & 5	Aquaculture Equipment	Landau, p. 71-112
Feb 10 & 12	General biology in aquaculture	Landau, p. 113-142
Feb 17 & 19	Feed & feed organisms Examination # 1 & First draft of synopsis due	Landau, p. 325-344
Feb 24 & 26	Seaweeds First draft of synopsis returned	Landau, p. 143-163
March 2 & 4	No class - Work on revising synopsis	
Mar 9 & 11	Mollusk culture	Landau, p. 165-186 & 345-357
Mar 16 & 18	Crustaceans	Landau, p. 187-209 & 358-365
Mar 23 & 25	Spring break	
Mar 30 & April 1	Biology of fish & catfish, carp & trout	Landau, p. 210-233
April 6 & 8	Tilapia & other freshwater food fish Examination #2	Landau, p. 234-254
Apr 13 & 15	Marine finfish Salmon	Landau, p. 255-263 & 271-274 Landau, p. 264-270
Apr 20 & 22	Miscellaneous culture species	Landau, p. 366-394
Apr 27 & 29	Business aspects of aquaculture	Landau, p. 277-305
May 4	Final synopsis due and course evaluation	
May 11	Examination 3	7:30 – 9:30 AM

