SE '01
Pons

Chaminade University
F SE '01

LECTURE AND LAB SYLLABUS
INTRO TO MARINE BIOLOGY, BI 11540 and 1151-40

Instructor — **Randy Honebrink (Phone 587-0111 (b); 947-4543 (h); email** hono 1999 @ aol.com)

Meeting Dates/Times — **Apr 3 - Jun 7; Lecture T,Th 1730-1935, Lab T,Th 1950-2155**
Chaminade University requires that at least two labs be held on the main campus. We will meet on campus five times, including once for a Thursday field trip. In addition, there will be at least two Saturday field trips; class will be released early some nights to compensate.

Course Description — **Introduction to Marine Biology is a 3-credit course which surveys the major areas of marine biology with emphasis on the structure and function of marine organisms, their interactions with their environment, and human impacts on the marine environment on a local and global scale. Topics include: physical properties of the marine environment, biodiversity, anatomy, physiology, behavior, and ecology. The 1-credit Biology 1151- lab must be taken concurrently with lecture.**

Course Objectives — **At the end of this course, the student will have:** 1) **an understanding of some basic concepts of marine chemistry and oceanography; 2) an enhanced appreciation of marine biodiversity and habitats; 3) an understanding of how marine organisms are adapted to various habitats; and 4) general knowledge of the field of marine biology.**

Required Text — *Marine* **Biology, (3rd ed.), by Castro and Huber, McGraw Hill, Boston.** 2000. **There is no laboratory manual; lab handouts will be provided.**

Grading — **Lectures and labs are graded separately. Lecture grades will be based on your performance on weekly quizzes, four biological summaries, a final exam, and class participation and attendance (P/A). Quizzes will be given each Monday and cover material presented the previous week.** *Lab* **grades will be based on lab write-ups and assignments placed in a lab notebook, a practical exam covering lab topics, and participation and attendance.**

Official grading criteria are stated in the Chaminade undergraduate catalog, but the following grading scale will be followed closely.

LECTURE		LAB	
Quizzes (4 @ 50)	**200 pts**	**Lab notebook**	**120 pts**
Summaries (4 @ 20)	**80 pts**	**Lab practical**	**50 pts**
Final exam	**100 pts**	**P/A**	**30 pts**
P/A	**20 pts**		
TOTAL	**400 pts**	*TOTAL*	**200 pts**

Grading scale: 90%=A; 80%=B; 70%=C; 60%=D

Attendance

Attendance is expected for each lecture and lab. Attendance for labs is especially important, as labs cannot be made up. Unexcused absences for lectures or labs will result in grade penalties to be determined by the instructor. Exams missed because of unexcused absences also cannot be made up. Excused absences should be documented, e.g. physician's note. Early exams will not be given.

Article Summaries

Four summaries of articles related to current topics of marine biology will be required at times indicated on the **Course schedule. Up to two of the summaries may be on a particular marine species. Each summary is worth 20 points, included in the lecture grade. Summaries must be from a newspaper, journal, magazine, or electronic source not more than two years old, and pertain to marine biology. Each summary should be one to two pages long, word processed or typed, and double spaced. The summary must include author, title of article, source, date of publication, and page numbers. For web site publications, include author (if known), title, last date updated, URL, and date accessed. You must include a xerox copy of the article with your summary, or a print-out of a web site source.**

Lab Notebook

You should have separate notebooks for lecture and lab. The lab notebook should be bound (spiral is acceptable), and will be used for observations, drawings, notes, data, and answers to questions on lab handouts. The notebook will be graded from time to time during the course.

Academic Honesty

Students are expected to comply with the rules governing academic honesty as published by Chaminade University. Students involved in cheating or plagiarism will be issued failing grades for the exam or assignment in question.

Intro to Marine Biology
Spring 2001

TENTATIVE COURSE SCHEDULE

Apr	3	T	Intro to course; sea floor	Chap. 1,2
	5	Th	Properties of sea water, business of life	3,4
	10	T	Exam l, Microscopes, plankton ID	**(Campus)
	12	Th	Prokaryotes, protists, plankton	5
	17	T	Classification of organisms, seaweeds	
	19	Th*	Intro to inverts, invert behavior	6
	24	T	Invertebrates, continued; dissections	**(Campus)
	26	Th*	Intertidal communities	10
	28	Sa	Field trip - Paiko lagoon (low tide just after noon)	**(Campus, time TBA)
May	1	T	Exam 2; Intro to fishes	7
	3	Th	Fishes, cont.; form and function, dissections	**(Campus)
		Sa	Field trip - Waikiki Aquarium	(WA, time TBA)
	8	T	Marine reptiles and mammals	8
	10	Th*	Intro to ecology	9
	15	T	Exam 3; corals	13
	17	Th	Field trip - Makapu'u tidepools	**(Campus)
	22	T	Life near the surface, ocean depths	14,15
	24	Th*	Resources from the sea, human impacts	16,17
	26	Sa	Field trip - Coconut Island (tent.)	(Shafter, time TBA)
	29	T	Exam 4; Oceans and human affairs	18
	31	Th	Lab practical, review for final exam	**(Campus)
Jun	5	T	Final exam	
	7	Th	Reserve day	

* Marine article summaries due
** Class meets at Chaminade campus, Henry Hall