

MARINE BIOLOGY

Biology 310 Section 01- Sp 06

Thur. 2:00-4:50 PM; Pryor-England Sci. 165
 Laboratory: TBA; Pryor-England Sci. 169

INSTRUCTOR: Dr. Joseph W. Goy
 Office: Pryor-England Sci. 161A

TEXT: Marine Biology – 6th ed. P. Castro & M. E. Huber 2007

TENTATIVE LECTURE SCHEDULE

<u>Jan. 12:</u>	<u>Chapter</u>
The Science of Marine Biology	1
The Sea Floor	2
<u>Jan. 19:</u>	
Chemical & Physical Features of Seawater & the World Ocean	3
<u>Jan. 26:</u>	
Fundamentals of Biology	4
<u>Feb. 2:</u>	
The Microbial World	5

FEB. 7, EXAM #1

<u>Feb. 9:</u>	<u>Chapter</u>
Multicellular Primary Producers: Seaweeds & Plants	6
<u>Feb. 16:</u>	
Marine Animals Without a Backbone	7
<u>Feb. 23:</u>	
Marine Fishes	8
Marine Reptiles, Birds, & Mammals	9

Feb. 28, EXAM #2

<u>Mar. 2:</u>	<u>Chapter</u>
An Introduction to Ecology	10
<u>Mar. 9:</u>	
Between the Tides	11
<u>Mar.23</u>	
Estuaries: Where Rivers Meet the Sea	12
<u>Mar. 30</u>	
Life on the Continental Shelf	13

Apr. 4, EXAM #3 Apr. 6:

Coral Reefs	14
<u>Apr. 13:</u>	
Life Near the Surface	15
<u>Apr.20:</u>	
The Ocean Depths	16
<u>Apr. 27:</u>	
Resources From the Sea	17
<u>May 4:</u>	

The Impact of Humans on the Marine Environment	18
The Ocean and Human Affairs	19

WEDNESDAY, 10 MAY, FINAL EXAM 1:30-3:30 PM

Each exam is worth 100 points and will cover lecture material up until the exam date. The **Final Exam** will be worth 200 points and consist of two parts. The first part will be similar to the previous three exams and cover lecture material up until the final exam date (100 points). The second part of the final exam (100 points) will be comprehensive to see if you can integrate material and concepts learned throughout the semester. Scheduled exams will be given **ONLY** as scheduled. **No Make-Up Exams Will Be Given.** Should a student miss an exam for any reason, the point value from that exam will be added to the point value of the final exam.

The laboratory will not be structured, except that we will meet occasionally during which time we will examine marine organisms from various oceanic habitats that will be displayed in Sci. room 169. Additional student time (when it fits into the individual student's schedule) will involve use of a computer program entitled "Coral Kingdom". Each student will view a series of slide shows on one of four (4) themes in marine biology and ecology. Then each student will complete a simulated research SCUBA mission. At the end of two missions of the student's choice, the students will write a short report on the results of their investigations. Each report is worth 50 points; giving a total of 100 points for **Two (2)** completed research missions.

Method of Grade Assignments:

3 Lecture Exams: 100 points each	300
1 Final Exam (200 points)	200
2 "Coral Kingdom" reports : 50 points each	100
1 Research Paper: 100 points (see separate handout)	<u>100</u>
	700

(Your Total Accumulated Points)

700

X 100 = YOUR FINAL GRADE

GRADE SCALE

89.5 and above	= A
79.5 to 89.4	= B
69.5 to 79.4	= C
59.5 to 69.4	= D
59.4 and below	= F

There will be **NO** deviations in the grade scale (i.e. **NO CURVED GRADES**).

Students with Disabilities: It is the policy for Harding University to accommodate students with disabilities, pursuant to federal and state law. Therefore, any student with a **documented** disability condition (e.g. physical, learning, psychiatric, vision, hearing, etc.) who needs to arrange reasonable accommodations must contact the instructor and Student Support Services at the beginning of the semester. The Student Support Services Office is located in Room 109 of the Lee Academic Center, telephone 279-4028.

