**BI 357 - Marine Biology – Winter 2013**
Professor Michelle Wood – miche@uoregon.edu
Office – 475 Onyx Bridge - Office Hours 9-11AM Tues.*, and by appt.

GTF : Sierra Deutsch (sierrad@uoregon.edu) - Office hours 1500-1700 Th. COL 47A
GTF and OIMB Liaison: Amy Burgess (burgess5@uoregon.edu)
Ugrd. Lab Assistant 10AM & 2PM – Jessica Butt (jbutt@uoregon.edu)
Ugrd. Lab Assistant Noon & 2PM – Amanda Hooper (ahooper3@uoregon.edu)
*except 2/22 which will be moved to 2/24

LOCATION & Time – 1330-1450 TTh Knight Library 101 – LABS Monday 10,12,2 HUE 112

TEXTS: The required texts for this class are:
Castro and Huber (C&H), Marine Biology (assignments are from 9th Ed)
Packet 1, Chs. 1&2 of Kozloff, Seashore Life of the Northern Pacific Coast
Harbo, Whelks to Whales
Recommended: Kozloff, Seashore Life Pacific Coast; if you have this, you do not need Pkt. 1

**WEEK 1**
READING: C&H, Ch. 3, esp. pp. 55-62 & Packet 1, Ch. 1 (Kozloff, Ch.1), Skim Ch. 2 (read - arthropods and mollusks), C&H – Skim Ch. 7, find and read sections relevant to mussels and barnacles.
M 1/7 LAB: Intro to Tidal Seas and marine life
T 1/8 Oregon’s Rocky Coast – vertical zonation of the rocky coast, Intro to tides
Th 1/10 Intertidal ecology I (tide tables)

**WEEK 2**
READING: C&H, Ch. 11; Ch. 4, esp. 71-78. For lab, Harbon
M 1/14 LAB: Intertidal Molluscs and Arthropods, field trip prep.
T 1/15 Biodiversity I
Th 1/17 Intertidal Ecology II (food webs, competition)
Sa 1/19 FIELD TRIP TO CAPE ARAGO AND OREGON INST. MARINE BIOLOGY
Depart 7:30AM, behind Onyx Bridge, Return ~8:30PM

**WEEK 3**
READING: C&H, Ch. 9, 10, 18
M 1/21 No Lab (Martin Luther King Remembrance)
T 1/22 Marine Mammals I – Guest Lecture by Amanda Hooper
Th 1/24 Birds and Mammals II - Oil pollution and other threats

**WEEK 4**
READING: C&H, Chs. 9, 10, 18 – (Kozloff, Ch. 2 and Ch. 7 for lab)
M 1/28 LAB: Echinoderms & Cnidarians
T 1/29 Birds, Mammals, and Human Impact cont.
Th 1/30 First Mid-term & Plan for personal project due
Sa 2/2 FIELD TRIP TO OREGON COAST AQUARIUM and YAQUINA HEAD
Depart, 8AM behind Onyx Bridge, return ~6:00PM
WEEK 5  
**READING:** (Tu. C&H, Chs. 2, 3, 10, 15) (Th. C&H, Chs. 8 & 17) (Lab, Ch. 7)  
M  2/4  
LAB: A few more phyla, Lab Lecture, Amy Burgess  
T  2/5  
Coastal Ocean and Productivity  
Th 2/7  
Fish and Fisheries  

WEEK 6  
**READING:** C&H 2, 3, 5, 10, 15, Special Report C&H pp. 231-243  
M 2/11  
Plankton – Lab Lecture, M. Wood  
T  2/12  
Open Ocean  
Th 2/14  
Polar Ocean  

WEEK 7  
**READING:** C&H 14  
M 2/18  
Beachcombing –Identifying seashells and other flotsam and jetsam  
T 2/19  
Coral Reefs  
TH 2/21  
Coral Reefs and Ocean Acidification  

WEEK 8  
**READING:** C&H 6  
M 2/25  
Catch Up Lab & Seaweeds  
T 2/26  
Mangroves, Seagrass Beds, and Wetlands  
Th 2/28  
EXAM 2  

WEEK 9  
**READING:** Ch. 2, 16, 13  
M 3/4  
Lab Practical – Notebooks Due  
T 3/5  
Deep-Sea I  
T 3/7  
Deep-Sea II  

WEEK 10  
M 3/11  
No Lab – Exam Review and Mentoring  
T 3/12  
**Personal Projects Due in Class,** Discussion in Class, Attendance Counts!  
Th 3/14  
Interpreting Marine Science in the Media, bring article and comments  

**GRADING** – EXAMS 45%, LAB NOTEBOOK 20%, LAB PRACTICAL 5%, FIELD TRIP WRITE UP 5%, PERSONAL PROJECT 20%, 5% CLICLKER QUESTIONS AND IN-CLASS ACTIVITIES – based on participation, at least one activity or clicker question per week, 0.5 pts for each week. There are no make-up exams. If you miss an exam you must take the final. Otherwise, the final is optional. If you are happy with the average of the first two exams as your exam grade, you do not have to take the final. If you take the final, the average of the final and the best of exams 1 and 2 will be used to calculate the exam grade.  

**FIELD TRIP** – Participation in one field trip is required. Depending on space available, participation in both is possible. You must sign up for your preferred trip during Week 1.
**Academic Integrity:** Ideas and creative expression are the cornerstone of the intellectual life of the University. Plagiarism and other forms of dishonesty in the academic endeavor are thus contrary to the goals of the University and an enlightened life, just as personal integrity, collaboration and honest sharing of ideas (with credit given where it is due) is part of the path to new knowledge and a just society. Students are expected to adhere to University policy on academic misconduct and are responsible for consulting with the instructors if they have any questions about proper procedures for attribution, cooperative projects, or other acts that might be construed as plagiarism or other forms of misconduct. See guidelines at conduct.uoregon.edu and information on plagiarism at www.libweb.uoregon.edu/guides/plagiarism/students.