

Marine Biology (OCB2000)
FALL 2015

INSTRUCTOR: Mrs. Charlene Mauro, Adjunct Professor, Pensacola State College
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TEXT BOOK: Marine Biology, 9th ed., by Castro and Huber (*Required*)

COURSE DESCRIPTION:

A study of the biology of marine waters, with emphasis on the physical, chemical, geological, and ecological factors that influence biological populations in the sea. Emphasis on the observation and taxonomy of the biota of local marine and estuarine waters. Meets A.A. general education Category VI.

Credit Hours: 3

Contact Hours: 3

Prerequisites: There are no prerequisites for this course.

Four exams (100 points each) and a FINAL EXAM: Each exam is worth 100 points. Exam questions are multiple choice and essay. **NO MAKE-UP EXAMS WILL BE GIVEN (Except in cases of severe illness, death in the family, court appearances or official school business).**

Service Learning Component – (200 points) Students are required to communicate marine science concepts with informal audiences (school programs, Saturday programs, Open House) **Peer evaluation and documentation of hours required.**

COURSE POLICIES:

Communications Devices: The use of cellular phones, pagers or other portable communications devices in the classroom is not allowed. Phones are not allowed to be seen. These devices distract the class as well as the instructor. Please set any communications devices to the off or silent mode before entering the classroom. No bags are allowed on the lab tables at any times.

CHEATING: Any student caught cheating on an exam or quiz will receive an automatic zero on the examination and may be turned over to the administration for further disciplinary action.

ATTENDANCE: Regular class attendance is expected. Attendance may be used in determining final grades as described above.

TARDINESS: Students are expected to be on time for class each day. Quizzes and tests will be administered promptly at the beginning of the period. Roll will be taken at the beginning of each period on non-exam days. Students not present during roll-call will be counted absent.

DISCLAIMER: *This syllabus and schedule is what your instructor plans to accomplish this semester, but she reserves the right to change or modify any aspect of these should the need arise. Under such circumstances students will be given sufficient notice verbally of any changes.*

Important Service Learning Project Dates (see google calendar at www.navarresciencestation.org)

Saturday programs September –November

September 25-26 Country on the Sound - Educational booth (mandatory fundraiser)

October 3 – Oktoberfest – Educational Booth – Sea No limits fishing Clinic

October 30-31 – Spooktacular Science by the Sea (mandatory fundraiser)

December 5- Christmas in the Park – Educational Booth

**Marine Biology (OCB2000L)
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HANDOUTS WILL BE PROVIDED FOR LAB EXERCISES

1. Lab Exercises and Field Studies (200 points): Each lab period that we are not in the field, you will be given a lab exercise to complete. Sometimes these can be completed in the lab period, sometimes they will need to be turned in the following day at the beginning of the period. You will also receive points for each field trip in which you participate. At the end of the semester your lowest score will be dropped. There are 12 lab exercises and field studies labs each worth 20 points.
2. Two lab practicals worth 50 points each (100 points): No make-ups will be given.
3. Weekly QUIZZES (10 @ 10 points each)

**TENTATIVE FALL 2015
SCHEDULE FOR MARINE BIOLOGY LABORATORY (OCB2000L)**

LAB (WEEK)	ACTIVITY	TOPIC
1	FIELD STUDIES	EQUIPMENT IN THE FIELD
2	LABORATORY EXERCISE	MICROSCOPY/PLANKTON IDENTIFICATION
3	FIELD STUDIES	COMMUNITY
4	FIELD STUDIES	SANDY BEACH COMMUNITY/BARR ISL
5	FIELD STUDIES	MUDFLAT COMMUNITY
6	FIELD STUDIES	SALT MARSH COMMUNITY
7	FIELD STUDIES	ROCKY BEACH COMMUNITY
8	LABORATORY EXERCISE	MARINE INVERTEBRATES
9	LABORATORY EXERCISE	DISTRIBUTION ANALYSIS and POPULATION ESTIMATION I PRACTICAL : INVERTS
10	LABORATORY EXERCISE	FISH ID AND FISH PHYSIOLOGY
11	LABORATORY EXERCISE	POPULATION ESTIMATION II PRACTICAL : FISHES
12	LABORATORY EXERCISE LABORATORY EXERCISE	COMPARATIVE ANATOMY OF MAMMALS THERMOREGULATION IN MAMMALS
13	LABORATORY EXERCISE	MARINE PLANT PIGMENTS and PRIMARY PRODUCTIVITY