

Marine Biology Laboratory
Biology 18, Fall 2009
Sec.1144, room Nats#129
J. Bellemin

TENTATIVE MARINE BIOLOGY LABORATORY SCHEDULE Laboratory
**Manual: Laboratory and Field Investigation in Marine Life 9th Ed. by James
Sumich**

DATE	EXERCISE OR ACTIVITY
Sep 1	Introduction, microscopes, sand lab
Sep 8	Exercise 1 and 2, Properties of Water
Sep 15	Exercise 3, Taxonomy and Classification
Sep 22	Edison SEA Laboratory , Exercise 5 and 12, phytoplankton, zooplankton
Sep 29	Exercise 6 and 7, Marine Plants and Pigments
Oct 6	Laboratory Practical 1
Oct 13	Exercise 8, Porifera and Cnidaria
Oct 20	Exercise 9, Mollusca and their shells
Oct 27	Exercise 10, Marine Arthropods, Crustacea
Nov 3	Exercise 11, Echinoderms, Cabrillo Aquarium
Nov 10	Laboratory Practical 2
Nov 17	Exercise 13 and 14, Cartilaginous Fish and Bony Fish, Fish ID
Nov 24	Edison SEA Laboratory , Cartilaginous and Bony Fish
Dec 1	Exercise 15, Marine Mammals
Dec 8	Marine Mammal Care Center, Bird Rehab.
Dec 15	Laboratory Practical 3

SUMMARY OF POINTS POSSIBLE

Laboratory Practical 1	50 questions	50 points	Laboratory
Practical 2	50 questions	50 points	
Laboratory Practical 3	50 questions	50 points	
13 Laboratory Reports	10 points each	130 points	
		280 points	
Additional extra credit points may be earned			

GRADING SCALE

90% - 100%	A
80% - 89%	B
65% - 79%	C
55% - 64%	D
0% - 54%	F

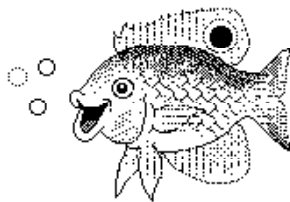
IMPORTANT DATES TO REMEMBER

September 25, 2009 - Last day to withdraw without notation on permanent record.

November 20, 2009 - Last day to withdraw and receive a W. If you do drop yourself on or before this date I will not be able to give you a W.

CONTACT INFORMATION

Jbellemi@elcamino.edu 310 6603593 ex 3354
Office located in Natural Science Building, Nats 110, office hour T-TH 11 AM



Important Information About Marine Biology Laboratory

Alternate Site Meetings:

For all field trip laboratory meetings you must meet at the destination listed. Transportation there and back is your responsibility. Maps and directions will be distributed later. There may be nominal fees at these sites. Sites include:

Edison's SEA Lab, Cabrillo Aquarium, Marine Mammal Care Center and Bird Rehabilitation Center.

Laboratory Practicals:

Laboratory Practicals are Exams that require you to move from desk to desk to identify and answer questions about the displayed specimens or procedures. These exams are timed and regulated, therefore you must not be late or you will deprive yourself of the time other students have.

Missed Practicals may never be made up!!!!!!!!!!!!!!!

Marine Biology Laboratory Reports:

Laboratory Reports will be completed by participating in activities and filling in the appropriate areas in the lab manual. All laboratory reports will be turned in at the end of each laboratory period. These will be graded and assigned a score out of 10 points. Late laboratory reports will be worth only 5 points maximum. Reports later than a week will not be accepted!

Explanation of Extra Credit Opportunities:

Marine Biology Laboratory Reports - Extra Credit:

Two additional laboratory reports may be completed for extra credit of 10 points each but they both involve several hours of work outside of class and travel.

EC Report One would involve joining the oceanography class on board the R/V Sea World which will be sampling life with an otter trawl and plankton nets. Dates and times will be provided when available.

EC Report Two would require your participation in documenting the organisms in the lower intertidal zones and answering questions on a prepared sheet during a low tide. The low tide date will be announced.

Marine Biology Volunteer Work - Extra Credit

One of the best ways to learn about the biology of marine life is to actually work with the organisms in a marine laboratory facility. Two local marine aquaria could use some dedicated volunteer students this semester. Volunteer duties might include feeding fish or other marine invertebrate animals, cleaning aquaria, or perhaps teaching young children about local marine life.

Southern California Edison SEA Laboratory is located in Redondo Beach next to the Edison power plant. It is closed to the general public without an appointment but there is a large tide pool touch tank and several large aquaria for educational purposes. If you were selected to work there your duties might include helping with fish rearing or sampling, identifying, and cataloging specimens taken in the baskets at the power plant or working on the native California plants being planted on the Redondo Beach bluffs, or working on the plastic pollution problem researching for Algalita.

The Roundhouse Aquarium is located at the end of Manhattan Beach Pier and is open to the general public from 3PM to sunset weekdays and from 10AM to sunset Saturday and Sunday. They offer a variety of programs for kids and could use

some dedicated volunteers to help teach the kids and maintain aquaria. Volunteer work hours there could be arranged either during open hours or during hours the lab is closed to the general public because classes and aquarium maintenance are on going.

A bit further a field two other public aquaria could use some volunteer work as well although you should consider carefully the time necessary to commute. The UCLA Ocean Discovery Center located at the base of the Santa Monica Pier and the Cabrillo Marine Aquarium located in San Pedro also have volunteer programs which you might apply to.

Because of the time involved to train you at any site, a commitment of at least 25 hours is expected for the semester.

If you are interested in volunteer work at any site and you have blocks of time to donate, you would need to fill out an application available in my office, Nats 110. I will hand all completed applications over to the managers at each site and they will select a few students that they feel are most qualified to work on site. If you are selected to work and complete the number of agreed upon hours I will award you 25 points in this class at the end of this semester.

Your real reward will be the valuable experience you gain working at a marine laboratory and the important contacts you will make.