

Biology 129L – Biology of Marine Mammals Laboratory

Summer Session II

July 28 – August 29, 2014

Instructor: Jen Maresh (jmaresh@ucsc.edu) COH 152A

TA: Caitie Kroeger (ckroeger@ucsc.edu) COH Trailer 9 Rm 105

Lab Time & Location: Tue/Thu 1:00 – 4:00 Center for Ocean Health / Long Marine Lab

Course Web Site: eCommons / BIOE129 Marine Mammals

Enrollment: Students cannot enroll in the lab without concurrent (or previous) enrollment in the lecture course.

Evaluation Criteria

Practical Exam	35%
Journal Article	5%
Worksheets	30%
Survey Cruise Formal Lab Report	30%

Welcome to Biology 129L, Biology of Marine Mammals Laboratory!

Course Description: Covers the basics of marine mammal taxonomy, anatomy, and field methods with an emphasis on local field identification and understanding of local species. Will include field trips to Long Marine Lab, Año Nuevo, and Monterey Bay. Students are billed a materials fee.

Participation: Participation in all laboratory activities is required. You must arrive to each laboratory session on time and be prepared for that session's laboratory activity. Preparation includes reading the lab exercise **before** coming to class. Tardiness and/or lack of preparation will negatively affect your grade.

Attendance: Attendance in the laboratory is required. **Lab exercises absolutely cannot be done at another time.** If you become ill or have an emergency, you are expected to email the instructor **before** the missed class, and promptly submit a doctor's note or you will not be excused. **If you miss a lab meeting for any reason, you must get in touch with the instructor within 24 hours** of the missed class. Vacations are not valid excuses.

Class Preparation: Handouts and lab instructions will be posted on the course website. **You are responsible for printing them and bringing them to class.** Extras will not be provided. I suggest familiarizing yourself with the protocol beforehand.

Assignments: All assignments will be collected at the beginning of the class period in which they are due. Assignments will be accepted up to one day late, but they will be assessed a penalty of 10% of the total points of the assignment. **Assignments turned in more than 15 minutes into the class period will be considered one day late.** The late penalty will be waived if you have a documented illness or emergency, but you must contact the course instructor by the assignment's due date to avoid the penalty. **Assignments will not be accepted more than one day late.** Any assignments that are not submitted within 24 hours of the beginning of the appropriate lab section will be given a score of zero.

To turn in a late paper, you must give it to the instructor in person unless another arrangement has been made in advance. **No assignments will ever be accepted via e-mail.** The instructor is not responsible for papers left in mailboxes or in the classroom, etc.

Please take good notes to use as a study guide for your practical exam at the end of the quarter! Assignments, are designed to help you understand concepts and to be used as a study guide for your practical, as well.

Practical Exam: The practical exam will be administered during normal laboratory time on Tuesday August 26th from 1:00 – 2:30 pm. The exam will be cumulative and cover topics presented in lab.

Classroom Accommodations: If you qualify for classroom accommodations because of a disability, please submit your Accommodation Authorization Letter from the Disability Resource Center (DRC) to me as soon as possible, preferably within the first week of the Summer Session. Contact DRC by phone at [831-459-2089](tel:831-459-2089) or by email at drc@ucsc.edu for more information.

Academic integrity: All the written work you submit for this course must be completely **your own**; papers are not to be collaborative projects. You should perform your own data analysis, create your own graphs and tables, and write papers by yourself. Peer editing is not allowed, and you may not use another student's work as a model. You may not directly copy or paraphrase passages from the lab worksheets or other books or references, including the internet, even if you cite the work. **Everything you write must be said in your own words**, and references must be cited. You may share raw data with your lab group, but may not analyze the data for another student. Students who submit papers containing plagiarized material or data they did not collect, or whose papers were clearly written as a joint project, will be given a grade of zero for the work and will be referred to the university for disciplinary action. Please be aware that anyone who tries to help a friend by letting that friend copy his/her work is also considered guilty of academic dishonesty according to university regulations. If you have any questions about what constitutes unfair collaboration or plagiarism, please contact the instructor.

****Note:** Syllabus is subject to change at any time.

Date	Topic	Notes/ Assignment due
Tue, Jul 29	Lab Introduction Skins & Skulls	
Thu, Jul 31	Field I.D.	<i>Due: Journal Article</i>
Tue, Aug 5	Field Trip: Survey Cruise	Wear warm layers that can get wet!
Thu, Aug 7	Field Trip: Marine Mammal Compound Open Lab: Survey Cruise data analysis	<i>Due: Skins & Skulls worksheet</i>
Tue, Aug 12	Bioacoustics	Bring headphones
Thu, Aug 14	Diving Behavior	<i>Due: Survey Cruise formal report</i>
Tue, Aug 19	Field Trip: Año Nuevo elephant seal colony	Wear warm layers and close-toed shoes
Thu, Aug 21	Review: Practical Exam	<i>Due: Bioacoustics worksheet</i>
Tue, Aug 26	**Practical Examination**	
Thu, Aug 28	**NO LAB TODAY**	<i>Due: Diving Behavior worksheet</i>