The University’s marine station at Charleston is an ideal location for the study of marine systems. Many habitats are within easy reach of the laboratory. To the north are 50 miles of sandy beaches, and to the south are extensive rocky shores. OIMB is adjacent to Coos Bay and the South Slough National Estuarine Research Reserve; estuarine and open ocean habitats are only minutes away. Classes meet all day with a maximum of 24 students, allowing considerable interaction between students and faculty, and fostering an intensity of learning. The program is designed for juniors and seniors majoring in marine biology, biology, general science, and environmental science. Field trips and lab activities are emphasized. All students must have completed either BI 211 - 213 or BI 281H-283H or an equivalent core sequence in biology. UO students register using DuckWeb, non-UO students use a guest registration found on the OIMB web page. OIMB scholarship information is on the OIMB website.

BI 457/557 Marine Biology: Marine Conservation Biology (5 quarter hour credits) Marine Conservation Biology is the applied science behind the maintenance of biodiversity and the management of marine resources. We will examine prevailing dogma from diverse user groups through close examination of applied conservation case studies. Using readings, seminars, and field trips we will think critically and communicate effectively about the consequences of diversity loss at the levels of ‘stocks’, species, ecosystems, and genetics. We will assess threats to biodiversity (e.g. invasions, diseases, fishing, mineral extraction), and mechanisms for dealing with these risks, with an emphasis on marine reserves. Meets Mondays 8:30 – 5:00 Instructor: Aaron Galloway

BI 451/551 Invertebrate Zoology (8 quarter hour credits) An introduction to the diversity of marine invertebrates e.g. all multicellular marine animals, except the vertebrates. What they look like (body plans & structure), how they work (functional morphology), where they live, their natural history and behavior (general ecology). Lectures will introduce organisms, explain their form & function, and include current views of evolutionary origins and phylogenetic relationships. Field trips will explore animals in their habitats and labs will allow careful study of living invertebrates, emphasizing form and function. Fulfills Area 2 major requirement. Meets Tuesdays and Thursdays 8:30 – 5:00. Instructors: Richard Emlet & Maya Watts

BI 457/557 Marine Biology: Comparative Embryology and Larval Biology (5 quarter hour credits) A comparative survey of embryonic development and larval forms across marine invertebrate phyla, including but not limited to: Cnidaria, Ctenophora, Platyhelminthes, Annelida, Mollusca, Nemertea, Phoronida, Echinodermata, Bryozoa and Chordata (Tunicates). Students explore the rich and colorful diversity of marine embryos and larvae by culturing dozens of representative species in the laboratory. Field trips will be dedicated to collecting live material for use in class. Course limited to 14 students. Meets Wednesdays 8:30 – 5:00. Instructor: Svetlana Maslakova

BI 322 Cell Biology (4 quarter hour credits) This course explores the fundamentals of cell biology – cell structure and function, cell division, cell motility and behavior, and how cells live together – using marine animals, plants, and protists as study material. Fun fact: throughout the history of cell biology, most of the Big Discoveries (think: fertilization, centrioles, molecular motors, green fluorescent protein, etc.) started with wild organisms from the marine world, not with the tiny repertoire of modern laboratory models. BI 214 is a prerequisite. Fulfills Area 1 major requirement. Meets Thursdays 8:30 – 5:00. Instructor: George von Dassow

BI 390 Animal Behavior (4 quarter hour credits) How and why animals behave, and how animal behavior is studied. Mechanisms of behavior, behavioral ecology, and sociobiology. Students conduct an independent research project. Fulfills Area 3 major requirement. Meets Fridays 8:30 – 3:00. Instructor: Alan Shanks

BI 407/507 Seminar: Marine Biology (2 quarter hour credits) Speakers present research. 4pm Fridays.

OIMB INFORMATION Tuition and fees are the same as those on main campus. Room and board is $224/week subject to fee increases. To apply return the application form on the reverse of this announcement. If you have questions about spring term courses contact OIMB. Email: oimb@uoregon.edu Phone: 541-888-2581. Or visit the Biology Advising office in Klamath Hall.
OREGON INSTITUTE OF MARINE BIOLOGY SPRING TERM 2016
SCHEDULE OF CLASSES

MONDAY
8:30am – 5:00pm
Marine Conservation Biology

TUESDAY
8:30am – 5:00pm
Invertebrate Zoology

WEDNESDAY
8:30am – 5:00pm
Embryology

THURSDAY
8:30am – 5:00pm
Invertebrate Zoology
OR
Cell Biology

FRIDAY
8:30am – 3:00pm
Animal Behavior
4:00 – 5:00 pm
Seminar

APPLICATION
Return completed application to Tammy Trost, Oregon Institute of Marine Biology, PO Box 5389, Charleston, OR 97420 or email to ttrost@uoregon.edu with “2016 Spring Application” in the subject. Applications are reviewed on a rolling basis until courses are full. UO students can register using DuckWeb.

NAME________________________________________________________

MAJOR_________________ Graduate/Undergraduate (circle appropriate) Year in school: SOPH JUN SEN

AGE_______ UO ID Number____________________________ Telephone__________________________

Home
Address_________________________________________________________________________________

School
Address_________________________________________________________________________________

E-mail Address______________________________________________________________

Do you want to apply for dormitory housing? Yes / No If Yes: Female / Male / UO Graduate Student

Housing includes a meal plan through our dining hall. Do you have any dietary restrictions and/or food allergies our cooks should be aware of? ________________________________________________________________

Do you want information on OIMB Scholarships? Yes / No The deadline for applications is March 1, 2016.

IF YOU ARE NOT A UNIVERSITY OF OREGON STUDENT: Please complete the guest student application page from our web page, and send copies of your transcript with this application. We will notify you of your acceptance within two weeks of receiving your application. Tuition rates for spring term are listed at: https://registrar.uoregon.edu/costs/tuition-fees

Please check below the courses you wish to take at OIMB. The recommended course load is 14-16 credits

BI 457/557 Marine Biology: Marine Conservation Biology (5 credits) ________

BI 451/551 Invertebrate Zoology (8 credits)________

BI 457/557 Marine Biology: Comparative Embryology and Larval Biology (5 credits) ________

BI 322 Cell Biology (4 credits) ________

BI 390 Animal Behavior (4 credits) ________

BI 407/507 Seminar: Marine Biology (2 credits)_______