2015 FALL TERM AT THE
OREGON INSTITUTE OF MARINE BIOLOGY
September 28 - December 11, 2015
www.oimb.uoregon.edu

The university's marine biology 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 over 40 miles of sandy beaches, and to the south are extensive rocky shores. The laboratory is at the entrance to Coos Bay, and estuarine and open ocean habitats are only minutes away. OIMB is adjacent to the South Slough National Estuarine Research Reserve. Fall term courses take advantage of these opportunities. Classes are small, meet all day, and have a maximum of 24 students. They are designed for juniors and seniors and first year graduate students majoring in marine biology, biology, general science, and environmental science. Field trips and lab activities are emphasized.

The courses fulfill requirements for UO undergraduates. All students must have completed either BI 211 - 213 or BI 251 – 253 or an equivalent core sequence in biology. UO students register using DuckWeb, non-UO students can use a guest registration found on the web page. Further details of the courses and information on OIMB Undergraduate Scholarships are on OIMB's web page: www.oimb.uoregon.edu

BI 458/558 Biological Oceanography (5 quarter hour credits) Examines the patterns of biological productivity and controlling physical and chemical mechanisms in the various environments of the world’s oceans. Alan Shanks.

BI 457/557 Marine Biology: Marine Environmental Issues (5 quarter hour credits) Issues that influence biological diversity of marine environments are approached from a global scale, and from real world examples from the local environment. An integrated approach is used to explore global climate change, fisheries, habitat alteration, introduced species and pollution in the marine environment. Jan Hodder.

BI 457/557 Marine Biology: Molecular Biology for Marine Sciences (5 quarter hour credits) An introduction to applying molecular biology to research using marine organisms. Lectures and readings examine the use of molecular data in taxonomy and systematics, population structure and conservation biology, and morphological and developmental evolution. Lab exercises include analysis and interpretation of existing data sets and the generation of new data using basic methods. Students acquire practical laboratory skills including collection and preservation of material for molecular work, DNA extraction, PCR amplification of suitable target genes, sequence analysis, and building and interpreting phylogenetic trees. BI 214 prerequisite. Svetlana Maslakova

BI 454/554 Estuarine Biology (5 quarter hour credits) The biological and physical factors regulating production, abundance, distribution and diversity in estuaries. Includes field trips to marshes, tide flats, eelgrass beds and open waters. Richard Emlet.

BI 407/507 Seminar: Marine Biology (2 quarter hour credits) Speakers from a number of different Universities present their research interests.

OIMB INFORMATION
Tuition and fees are the same as those on main campus. Housing at OIMB is available. To apply return the application form on the reverse of this announcement. If you have questions please contact OIMB at oimb@uoregon.edu or call 541-888-2581.
OREGON INSTITUTE OF MARINE BIOLOGY FALL TERM 2015
SCHEDULE OF CLASSES

MONDAY
BI 458/558
Biological
Oceanography

TUESDAY
BI 457/557
Molecular Biology for Marine sciences

WEDNESDAY
BI 454/554
Estuarine Biology

THURSDAY
BI 457/557
Marine Environmental Issues

FRIDAY
BI 457/557 (8:30-9:30AM)
BI 457/557 (10-11AM)
BI 454/554 (11:30-12:30PM)
BI 458/558 (1:30-2:30PM)
BI 407/507 Seminar (3:30PM)

Class hours are 8:30 AM - 5 PM, Monday-Thursday with an additional hour on Friday and arranged field trips.

APPLICATION

Return completed application to Oregon Institute of Marine Biology, PO Box 5389, Charleston, OR 97420
Applications for fall term are reviewed on a rolling basis until courses are full.
UO students register using DuckWeb but if you require housing you should contact OIMB to reserve a place.

NAME_________________________________________

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

AGE_________ UO Student Number________________________________ Telephone________________________________

Home Address__________________________________________________________

School Address__________________________________________________________

E-mail Address__________________________________________________________

Do you want to apply for OIMB housing? Yes No If Yes: Female Male UO Grad Student

Would you like information on OIMB scholarships? Yes No Scholarship application deadline September 1, 2015

IF YOU ARE NOT A UNIVERSITY OF OREGON STUDENT: Please complete the guest student application page, available on the web, and send copies of your transcript with this application. We will notify you of your acceptance within two weeks of receiving your application.

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

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

BI 458/558 Biological Oceanography (5 credits)__________

BI 457/557: Marine Biology: Molecular Biology for Marine Sciences (5 credits)__________

BI 454/554 Estuarine Biology (5 credits)__________

BI 457/557 Marine Biology: Marine Environmental Issues (5 credits)__________