

2012 SPRING TERM AT THE OREGON INSTITUTE OF MARINE BIOLOGY

April 2 - June 15, 2012

<http://www.uoregon.edu/~oimb>

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 50 miles of sandy beaches, and to the south are extensive rocky shores. OIMB is at the entrance to Coos Bay and adjacent to 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, and first year graduate students majoring in marine biology, biology, general science, environmental science, and environmental studies. 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. Information on OIMB Scholarships is posted on the OIMB web page; scholarship deadline is March 1, 2012.

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. Alan Shanks.

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 laboratory sessions will allow careful study of living invertebrates, emphasizing form and function. Richard Emlet.

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. Svetlana Maslakova. Course limited to 14 students.

BI 457/557 Marine Biology: Subtidal and Deep-Sea Ecology (4 quarter hour credits) This course focuses on the ecology of organisms living below the intertidal zone, including offshore reefs, kelp beds, continental slopes, submarine canyons, abyssal plains, seamounts, and deep-sea methane seeps and hydrothermal vents. Emphasizing factors controlling animal distribution and abundance, field work will feature OIMB's 600-m Phantom ROV (Remotely Operated Vehicle). Craig Young.

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

OIMB INFORMATION

Tuition and fees are the same as those on main campus. Room and board is \$175/week *subject to fee increases*. To apply for courses and room and board 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. Further details of these courses can be found at <http://www.uoregon.edu/~oimb>

**OREGON INSTITUTE OF MARINE BIOLOGY SPRING TERM 2012
SCHEDULE OF CLASSES**

MONDAY
08:00 – 17:00

Invertebrate Zoology

TUESDAY
08:00 – 17:00

*Comparative
Embryology*

WEDNESDAY
08:00 – 17:00

Invertebrate Zoology

THURSDAY
08:00 – 17:00

Animal Behavior

FRIDAY
08:00 – 15:00

*Subtidal and Deep-Sea Ecology
15:30 Marine Biology Seminar*

APPLICATION

Return completed application to the Director, Oregon Institute of Marine Biology, PO Box 5389, Charleston, OR 97420

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

Do you want information on OIMB Scholarships? Yes No **The deadline for applications is March 1, 2012.**

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: <http://registrar.uoregon.edu/common/tuition/tuitionrates.htm>

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

BI 390 Animal Behavior (4 credits) _____

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

BI 451/551 Invertebrate Zoology (8 credits) _____

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

BI 457/557 Marine Biology: Subtidal and Deep-Sea Ecology (4 credits) _____