

APPLICATION FOR SUMMER 2009 HOUSING

Please reserve a space for me in the OIMB dormitory. For assignment: Female Male UO graduate student

A dormitory deposit of \$100 is required to confirm your space. Please make checks payable to OIMB.

Residency Information

Will you have a B.S. or B.A. degree when you attend OIMB? Yes No

Have you previously attended the University of Oregon? Yes No

Which college or university do you currently attend? _____

In which state do you reside? _____

How long have you lived in that state? _____

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Additional Opportunities

OIMB offers a marine biology major for undergraduates and additional teaching programs during fall and spring terms. Graduate studies are conducted year-round at OIMB. Contact us or check the web page for further information.

Mail and Transportation

During the summer session, mail sent to students should be addressed to Oregon Institute of Marine Biology, PO Box 5389, Charleston OR 97420-0605. There is commercial airplane service to North Bend and bus service from Eugene to Coos Bay.

For More Information

Oregon Institute of Marine Biology
PO Box 5389, Charleston OR 97420-0605
Telephone: (541) 888-2581
oimb@uoregon.edu

uoregon.edu/~oimb



STUDY MARINE BIOLOGY AT THE OREGON COAST Summer 2010



O UNIVERSITY OF OREGON
Oregon Institute of Marine Biology
DEPARTMENT OF BIOLOGY
1210 University of Oregon
Eugene OR 97403-1210

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The 2010 summer program of the University of Oregon's Institute of Marine Biology is described in this brochure. We would appreciate help in making this opportunity known to your students by **posting the announcement on your bulletin board or passing it along to a student adviser**. Scholarships are available for qualified students.

We appreciate your cooperation and hope that we may see some of your students on the Oregon coast next summer. If you are interested in further details on our programs, please contact me.

Sincerely,

Janet Hodder
Summer Session Coordinator
jhodder@uoregon.edu

Oregon Institute of Marine Biology
uoregon.edu/~oimb

O UNIVERSITY OF OREGON

The Oregon Institute of Marine Biology (OIMB) has offered a variety of exciting courses in marine biology to undergraduate and graduate students for more than eighty years. Our modern, well-equipped marine laboratory is ideally located for studying marine plants and animals; the dramatic Oregon coast is within walking distance of the laboratory.

The Oregon coast has an exceptionally rich, rocky intertidal shore teeming with colorful marine invertebrates, extensive near-shore kelp beds, and a fantastic variety of marine plants. The Coos Bay estuary, with its remarkable mud, sand, eelgrass, marsh, and piling animals and plants, is also at our front door. The South Slough National Estuarine Research Reserve is located in Charleston. We are close to the harbor entrance so that ocean organisms can be collected within minutes of leaving the docks. Within eight miles of the marine biology laboratory, sea lions, elephant seals, and harbor seals can be closely observed in their native habitat. Many species of marine birds nest close to the marine laboratory, and sea birds such as albatross can be observed offshore. To the north of the marine biology laboratory extend forty uninterrupted miles of high-energy sandy beaches and dunes.

The summer program has been designed to take advantage of these unique opportunities, giving you a superb hands-on experience in marine biology. We invite you to take part in our summer program. Our courses are designed to stimulate curiosity, excitement, and exploration. You will live with students from a wide range of cultural backgrounds from all over the United States. Our friendly dining and dormitory accommodations engender an enthusiastic learning and living community.

The OIMB campus includes an attractive dining hall and dormitories, several well-equipped teaching and research laboratories, extensive holding tanks and field-trip staging facilities, faculty housing, a boat-house, a dock, and a lecture auditorium with an impressive view of the bay. The marine biology laboratory has 110 forested acres along the mouth of Coos Bay. Our buildings are located on the bay side of this property, close to the post office and stores of the fishing village of Charleston. We are eight miles from the cities of Coos Bay and North Bend with their airport, libraries, movie theaters, stores, and large ocean ship docks. The luxurious coniferous forests of the coastal range, with their lakes, rivers, and streams, offer beautiful hiking trails.

Visit our website, uoregon.edu/~oimb

Courses and Who Should Take Them

The eight-week OIMB summer program is designed for upper-division undergraduates majoring in biology, marine biology, general science, environmental science, or environmental studies, and beginning graduate students. Teachers wishing to gain content knowledge are also encouraged to apply.

This summer we offer courses in invertebrate zoology, adaptations of marine animals, marine ecology, and marine birds and mammals. You also can take a workshop in biological illustration, microbes of coastal environments, and bioluminescence in the marine environment, and participate in our seminar program.

A two-week introduction to marine biology course is offered for students with little background in marine biology who would like to explore the field. It is designed to give an introduction to marine biology.

Many field trips are made during summer session, including low-tide visits, occasionally in early morning to the beaches, mud flats, and rocky intertidal shores, and boat trips in the estuary and open ocean.

Courses

Courses have a maximum of twenty students and meet for at least seven hours a day in a mixture of lectures, labs, and field trips. The recommended course load for the eight-week session is 12 to 16 quarter credits.

EIGHT-WEEK COURSES June 21–August 13, 2010

BI 451/551 Invertebrate Zoology (8 credits) Introduction to marine invertebrates: morphology, physiology, ecology and natural history, and behavior. Lectures, laboratories, and field trips to sandy, rocky, and muddy intertidal shores. Prerequisites: basic biology and good boots. Meets 8:00 a.m.–5:00 p.m. Monday, Wednesday (until 3:30 p.m.), and Friday, plus early morning field trips. *Amy Johnson, Olaf Ellers*

BI 457/557 Adaptations of Marine Animals (8 credits) Animals exhibit a wide range of physiological, structural, ecological, and behavioral adaptations for living in diverse marine habitats. This class explores the adaptations of marine animals living in rocky shores, sandy beaches, and estuarine habitats. Projects conducted by small groups of students working together are emphasized. Activities take place in both the field and the laboratory. Meets 8:00 a.m.–5:00 p.m. Monday, Wednesday (until 3:30 p.m.), and Friday, plus early morning field trips. *Charlie Hunter*

BI 455/555 Marine Birds and Mammals (6 credits) The Oregon coast has diverse marine bird and mammal fauna, and this course takes advantage of many opportunities to study the biology of the sea birds, seals, sea lions, and cetaceans of the region. Topics covered include systematics, ecology, social systems, morphology, evolution, and physiology. Extensive field trips, including boat cruises, offer opportunities to study the animals in their natural

environment. Laboratory sessions use museum preparations and dissections of fresh specimens to study anatomical and physiological features. Students undertake group projects on nesting sea birds, and give presentations on conservation issues. Meets 8:00 a.m.–5:00 p.m. Tuesday and Thursday. *Jan Hodder, Doug Warrick*

BI 474/574 Marine Ecology (6 credits)

Marine ecology looks at factors that influence the distribution, abundance, and diversity of marine organisms. The course will be an ecological survey of major marine habitats, structurally or functionally important taxa, and ecological patterns and processes. Examples are drawn from the diverse fauna and flora of the rocky shores, sandy beaches, and estuarine environments in the Coos Bay area and field sampling and experimentation will be a major portion of the course. Meets 8:00 a.m.–5:00 p.m. Tuesday and Thursday plus early morning field trips. *Cynthia Trowbridge*

BI 407/507 Marine Biology Seminar (2 credits)

Guest speakers report on their research. Seminars cover a wide variety of marine topics and provide students with an opportunity to meet marine scientists. Meets 4:00–5:30 p.m. Wednesdays.

WEEKEND WORKSHOPS

June 19–20 and June 26–27

BI 408/508 Biological Illustration (2 credits) Shows how to produce accurate drawings of animals and plants suitable for reference, publication, or display. No prior experience is necessary. Techniques include pen and ink, pencil, scratch, and coquille board. Meets 8:00 a.m.–5:00 p.m. Saturday and Sunday. *Lee Braithwaite*

June 10–11 and July 17–18

BI 408/508 Bioluminescence in the Marine Environment (2 credits) Many organisms that live in the ocean produce light. This workshop explores the ecological, evolutionary, physiological, and biochemical aspects of bioluminescent organisms in the marine environment. Meets 8:00 a.m.–5:00 p.m. Saturday and Sunday. *Chuck Wimpee*

July 24–25 and July 31–August 1

BI 408/508 Microbes of Coastal Environments (2 quarter credits) An overview of bacterial diversity and the function of bacteria and other microorganisms in the major coastal habitats in

Oregon, including their role in geochemical cycles and the cycling of nutrients, as food producers, symbionts, and parasites. Habitats to be visited and studied include: estuaries (mud flats, seagrass beds, marshes), coastal bogs and swamps and surrounding forests, rocky shores, and sandy beaches. Meets 8:00 a.m.–5:00 p.m. Saturday and Sunday. *Claudia Kruschel*

SHORT COURSE

June 6–9 and 12–16

BI 412/512 Introduction to Marine Biology (4 quarter credits) An introduction to marine biology with an emphasis on the diversity of marine communities throughout the world. Lectures and field and laboratory work will cover physical and biological features of benthic, open ocean and coastal communities. Meets 8:00 a.m.–3:30 p.m. Tuesday–Friday (week one) and Monday–Thursday (week two).

July 19–22 and July 26–29

BI 412/512 Coastal Biology (4 credits) This intensive, field-oriented course provides an overview of the physical and biological features of the major coastal habitats in Oregon, including rocky shores, sandy beaches, dunes, estuaries, headlands, and forests. Students study the important species in each habitat, exploring the ecological significance of those species, and the adaptations to the environment in which they live. Involves early morning field trips and a few moderately strenuous hikes. Meets 8:00 a.m.–3:30 p.m. Monday through Thursday and for early morning field trips. *Stewart Schulz, Jeff Goddard*

How to Apply

To ensure you have a place reserved in our courses, all students should submit the attached application. On approval, UO students will register for courses on DuckWeb; non-UO students will be registered at OIMB. Students who wish to reserve a dormitory space should complete the housing request on the application form. Please e-mail or call us if you have questions about our summer program.

OIMB Scholarships

Several scholarships are available for summer students. If interested, indicate so on the application form or download information from the web. The scholarship application deadline is May 1, 2009.

Facilities

The OIMB facilities include five teaching laboratories, well-equipped research laboratories, extensive holding tank facilities, a new library, and housing. If you have special needs, please contact us, and we will assist in meeting those needs.

Dormitories. The OIMB dormitories are individual or shared spaces with a bed, desk, chest of drawers, wardrobe, and book shelves. Each space has Internet access.

Meals. Good food is a tradition at OIMB. Regular meals are served daily in the dining hall. Participants not living on-site may purchase meals on a prorated basis.

Classrooms and the library. Five laboratory classrooms are supplied with running seawater. The library is staffed Monday through Thursday.

TUITION RATES*

Tuition is based on whether you register for undergraduate (400-level course numbers) or graduate (500-level course numbers) credit. Check the appropriate box on the application form.

Credits	Undergraduate Credit		Credits	Graduate Credit	
	Resident	Nonresident		Resident	Nonresident
2	\$524	\$614	2	\$703	\$793
4	792	972	4	1,185	1,365
6	1,060	1,330	6	1,667	1,937
8	1,328	1,688	8	2,149	2,509
10	1,596	2,046	10	2,631	3,081
12	1,864	2,404	12	3,113	3,653
14	2,132	2,762	14	3,595	4,225
16	2,400	3,120	16	4,077	4,797
Each additional credit	134	179	Each additional credit	241	286

*Tuition rates are subject to change.

Room and board is \$175 per week (\$1,400 for eight weeks).



APPLICATION for Summer 2010 Courses and Housing

Please complete and return this application to OIMB, PO Box 5389, Charleston OR 97420-0605. Please type or print. After May 29, 2010, call OIMB to see if there is space available in the course in which you want to enroll.

Name _____ UO ID# or SSN _____
Last First Middle

Date of birth _____

Current address _____
Street number

City _____ State _____ ZIP code _____ Address valid through (date) _____

Permanent address _____
Street number

City _____ State _____ ZIP code _____

Current phone _____ Permanent phone _____

E-mail address _____

APPLICATION FOR SUMMER 2010 COURSES

CHECK BOX FOR UNDERGRADUATE (400-level courses) or GRADUATE (500-level courses) REGISTRATION

Course title	Undergraduate (400-level)	Graduate (500-level)
_____	<input type="checkbox"/>	<input type="checkbox"/>
_____	<input type="checkbox"/>	<input type="checkbox"/>
_____	<input type="checkbox"/>	<input type="checkbox"/>
_____	<input type="checkbox"/>	<input type="checkbox"/>
_____	<input type="checkbox"/>	<input type="checkbox"/>
_____	<input type="checkbox"/>	<input type="checkbox"/>
_____	<input type="checkbox"/>	<input type="checkbox"/>
_____	<input type="checkbox"/>	<input type="checkbox"/>
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If you are not a University of Oregon student, please send a copy of your transcript.

Please send information on the OIMB scholarships. Application deadline for scholarships is May 1, 2010.

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