2008 INTERNATIONAL GRADUATE TRAINING COURSE IN ANTARCTIC BIOLOGY

"Integrative Biology and Adaptation of Antarctic Marine Organisms"

Sponsored by the National Science Foundation **Offered in Antarctica**

January 5th to February 5th, 2008

Open to students and researchers at the graduate, post graduate, and professorial level

What Focus?

The emphasis of this month-long biology course in Antarctica will be on integrative biology, with laboratory and field-based projects that will be focused on studying adaptations in extreme environments. Modern laboratory facilities for experimental work, sophisticated operational support for field collection, and offering the course in Antarctica make this course unique. A diverse teaching faculty will offer students the possibility of working with a wide range of Antarctic organisms (bacteria, algae, invertebrates and fish), as well as working at different levels of biological analysis (molecular biology to whole organisms).

For Whom?

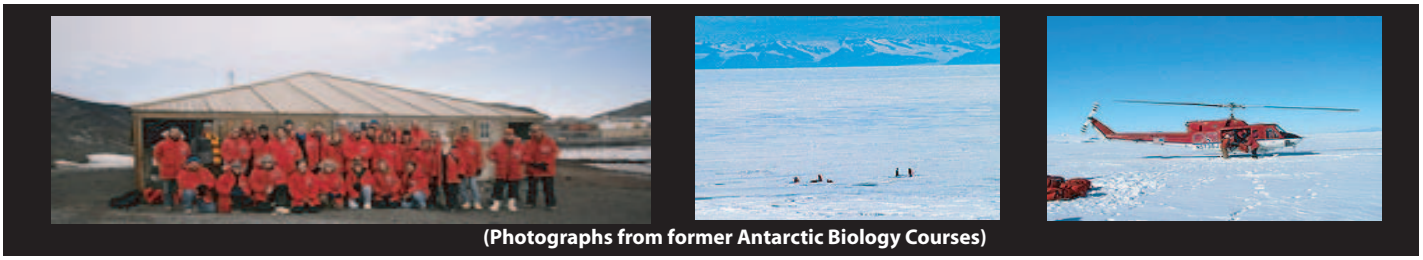
This NSF-sponsored course will accommodate 20 students and is open to all nationalities and to applicants from any country. Applications are invited from graduate students currently enrolled in a Ph.D program, postdoctoral-level researchers, and faculty members who are interested in the biology of Antarctic organisms.

How Much?

Full scholarships are available to each student accepted into the course. Scholarships will cover the cost of travel to and from your home institution to Antarctica, as well as room and board during the course.

Where?

The course will take place in Antarctica, at the Science Center located at the United States Antarctic Program's base at McMurdo Station. The on-site laboratories are equipped with excellent capital equipment for studying organisms at different levels of biological organization, ranging from molecular biology, to biochemistry, to physiology, and for studies of species diversity.



(Photographs from former Antarctic Biology Courses)

By Whom?

In addition to lectures from other scientists working in Antarctica, the following faculty will be teaching the course in January 2008:

Dr. Donal Manahan, Course Director, University of Southern California -- Invertebrate development and molecular physiology
Dr. Mark Denny, Stanford University -- Biomechanics
Dr. Deneb Karentz, University of San Francisco -- Photobiology and phytoplankton ecology
Dr. Alison Murray, University of Nevada -- Microbial ecology and genomics
Dr. George Somero, Stanford University -- Biochemical adaptation

Applications must be received by AUGUST 15, 2007

For more information about this training program and for on-line applications, please see:

http://antarctica.usc.edu