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, postdoctoral-level researchers, and junior 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.

By Whom?
In addition to lectures from other scientists working in Antarctica, the following faculty will be teaching the course in January 2006:

- 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. Antonio Quesada, Universidad Autonoma de Madrid -- Photobiology and diversity
- Dr. Alison Murray, University of Nevada -- Microbial ecology and genomics
- Dr. George Somero, Stanford University -- Biochemical adaptation

Applications must be received by SEPTEMBER 1, 2005
For more information about this training program and for on-line applications, please see:

http://antarctica.usc.edu