



Center for Dark Energy Biosphere Investigations

Resolving the extent, function, dynamics and implications of the seafloor biosphere

Funded by the National Science Foundation

Global Environmental Microbiology (GEM) Summer Course for Undergraduates 2012



**NO EXPERIENCE
REQUIRED**

Microbes are the beginning and end for almost every process on earth!

In partnership with the National Science Foundation, the Center for Dark Energy Biosphere Investigations (C-DEBI) offers a course in microbiology and microbial ecology. Come explore with us and learn about these impressive organisms who reside everywhere from hydrothermal vents deep in the ocean to tropical rainforests at the equator! Taught by Professors Eric Webb and John Heidelberg, this field-based, hands-on course will be:



- Four weeks in length (July 9–August 3, 2012)
- Weeks 1 & 2 Lecture and Labs at the University of Southern California
- Weeks 3 & 4 at the USC Wrigley Marine Science Center on Catalina Island
- Fieldwork throughout Southern California and the Eastern Sierra

After attending the GEM course, one student summed up his learning: “Microbial communities play a large role in our environment as well as within us.” Join us in this unique opportunity to learn that size really DOES matter—the smallest organisms really can make a world of difference.

Course expenses, room and board are paid for by C-DEBI.

Underrepresented students are encouraged to apply.

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