

**Human Impacts and Hawai'i's Coral Reef Health: A Marine and Environmental Science
Program for High School Teachers in Hawai'i
June 15 – July 10, 2009**

Presented By: Hawai'i Institute of Marine Biology (HIMB) & Windward Community College - Pacific Center for Environmental Studies (PaCES)

Funded By: NOAA B-WET Environmental Science Program

Have you wanted to include more hands-on scientific inquiry based curriculum into your classroom? Do you have a desire to educate your students about marine science, environmental science, and related topics while simultaneously addressing HCPS III Science Benchmarks? Would you be willing to go out into the field to learn hands-on techniques that help scientists monitor these environments to more effectively engage your students in the classroom? If so, this might be the program for you!

Details

By the end of the course, participants will gain:

- field experience and content knowledge on terrestrial and marine ecology and biology through investigative modules that focus on: stream water quality and bio-assessment, coral reef monitoring, and environmental microbiology.
- a solid grasp of how to incorporate the scientific method and scientific inquiry in the classroom.
- a tool box of materials, field trip ideas and laboratory activities that address Hawai'i State Science Content and Performance Standards.
- a scientific understanding of the integration between watersheds and coral reefs in Hawai'i within a cultural context.
- an enhanced awareness of human impacts to these environments, how we can lessen those impacts, and various service opportunities that exist in our communities.

During the 4-week 2009 summer course, teachers will be able to utilize the knowledge and experience they have gained to collaboratively create HCPS III relevant lesson plans that are inquiry and place based, culturally and community oriented, and relevant to *their* classrooms.

Target applicants

We are recruiting 8 O'ahu-based teachers and 2 neighbor island teachers.

Benefits

All participants receive a stipend:

- Teachers receive up to a \$1500 stipend upon completion of the course.
- Neighbor island teachers receive additional support to cover travel and accommodations at the Hawai'i Institute of Marine Biology, located on Moku O' Loe in Kāne'ohe, O'ahu.

***** **DEADLINE TO APPLY: 20 JAN 09** *****

Please return the completed application, including sealed letters of recommendation to:

Mackenzie Manning P.O. Box 1346 Kāne'ohe, HI. 96744

Please email if you have questions: mmanning@hawaii.edu

**Human Impacts and Hawai'i's Coral Reef Health: A Marine and Environmental Science
Program for High School Teachers in Hawai'i
TEACHER APPLICATION FORM DEADLINE: 20JAN09**

SKILLS

The program requires a substantial amount of field work in both terrestrial and marine environments. You could be subjected to long periods in the sun on land or in the water, bugs, mud and dirt. Please rate yourself in the following categories:

SWIMMER (CHECK ONE):

NON-SWIMMER___ BEGINNER___ INTERMEDIATE___
ADVANCED___ COMPETITIVE___

OUTDOOR EXPERIENCE (CHECK ALL THAT APPLY):

DAY HIKES___ BACKPACKING___ CAMPING___ JOGGING___
RUNNING___ WALKING FOR FITNESS___ BICYCLING___
OTHER (please list)_____

WATERSPORTS EXPERIENCE (CHECK ALL THAT APPLY):

WINDSURF___ BOARD SURF___ BODY SURF___ CANOE___ SAIL___
PWR BOAT___ FISHING___ KAYAK___ SNORKEL___ SCUBA___

COMPUTER SKILLS (CHECK ALL THAT APPLY):

WORD___ EXCEL___ POWERPOINT___ INTERNET SEARCH___
STATISTICS___ GRAPHICS___ EMAIL___
OTHER (please list)_____

EMERGENCY CONTACT

NAME: _____ **RELATIONSHIP:** _____
 LAST FIRST

TELEPHONE #: _____ **ALTERNATE PHONE #:** _____

LETTER OF APPLICATION: With this application, please include a letter (2 page maximum) discussing how you and your classroom would benefit from your participation in this program. Highlight how this program could better facilitate your ability to communicate science and stewardship to your classroom. Include past experiences that you have been involved in that show your enthusiasm and motivation for teaching environmental science and stewardship. Provide examples where you went above and beyond minimal requirements as a teacher to communicate environmental science and stewardship to your students.

LETTERS OF RECOMMENDATION: Please also include letters of recommendation from:

- The principal, department head or equivalent from your institution
- A co-worker or peer at your institution

APPLICANT'S SIGNATURE: _____ **DATE:** _____