Course advertisement:

The HIMB Schmidt Summer Program in Marine Science

Applying Innovative Technologies In Marine Science

Placeholder dates*:* May 16th to June 11th 2021
Format*:* 4-week intensive, on-site summer program
Participants*:* 8 initially; up to 12 if university COVID restrictions ease and more can be accommodated
Eligibility*:* Graduate students enrolled at an institution in Hawai'i
Instructors*:* Lars Bejder (www.mmrphawaii.org), Elizabeth Madin (www.oceansphere.org), Joshua Madin (jmadinlab.github.io) plus invited guest instructors.
Covered costs: course fees, accommodation and subsistence food.

Summary:
The goal of this course is to expose participants to innovative technologies and their uses in the field of marine science. The course will be open to graduate students only. The course will leverage the exceptional research capacities, facilities, and location of HIMB and Moku o Lo'e (Coconut Island) to advance scientific and career goals of participants. The course will include lectures, hands-on field work, a lab component, and data analysis for projects developed during the program. The course will provide an introduction to the fundamentals of conducting robust science, including open and reproducible science, science communication beyond academia to diverse stakeholder groups, and more. Included in the course will be basic R programming and project management and guest lectures by scientists, conservation practitioners, and managers using cutting-edge technology. Participants will gain hands-on exposure to a range of technologies and tools relevant to the instructors' and guest instructors' research portfolios (e.g., unoccupied aerial systems, above-water and underwater photogrammetry, remote sensing imagery, 3D laser scanning and printing, and more). Broadening participants' exposure to new and emerging technologies will provide them a foundation upon which to incorporate these technologies into their scientific and career goals.

To apply: Candidates should submit the following materials via email to himb@hawaii.edu in a single PDF document, with the file name "YourLastName_HIMBSummerCourse.pdf" and the subject heading "HIMBSummerCourse application" by 5 pm on Friday April 2nd, 2021 (Hawaii–Aleutian Standard Time):

1) Brief introductory cover letter (maximum of 1 page)
2) Two statements covering (maximum of 300 words each):
    a) Your areas of research interest
    b) What you hope to gain from the course
3) Your CV