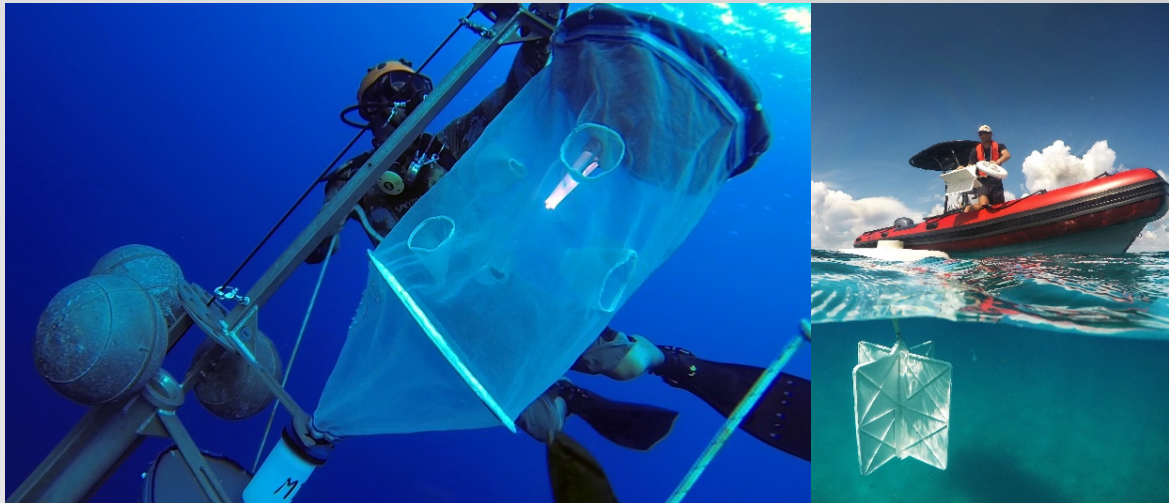


Instrument Design and Quick Prototyping for the Marine and Environmental Scientist

(1 credit)



Introduction to the principles and applications 3D printing, Laser cutting for non-engineers.

Course Description

This course for non-engineers will cover the basic principles and practice of: (1) computer aided design and drafting (CAD); (2) digital manufacturing techniques using 3D printing and laser cutting. This will be achieved via lectures and hands-on training in the RSMAS Makers Lab, whereby each student will be required to design, and 3D print an object pertinent to their research field.

Additional class fee for materials: \$50

Instructor: Cedric Guigand (cguigand@rsmas.miami.edu)