VISIONS'23

Ocean Expedition

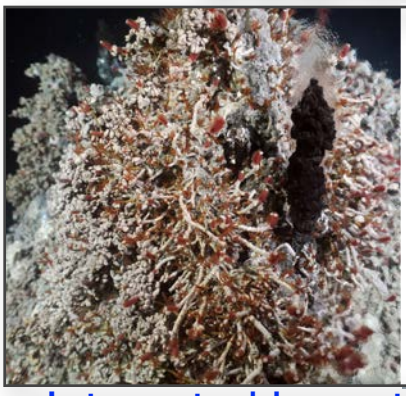
Student Participation

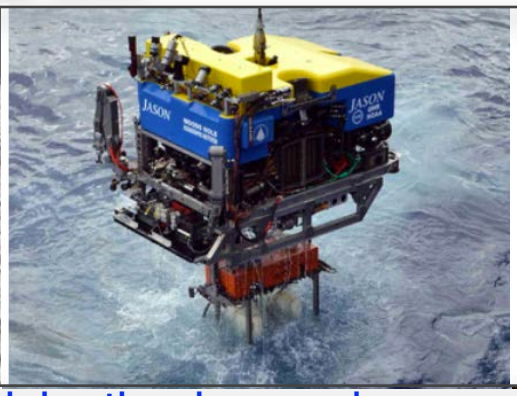
Aug. 6, - Sept. 22 2023

Four ~10 day Legs

OCEAN 411

Submit application by March 27, 223





Interested in participating in a major oceanographic expedition?

We are looking for students interested in participating in the UW Sea-Going Research and Discovery course (OCEAN 411). This at-sea experiential learning course will provide you direct participation on a global-class research ship using a state-of the-art underwater robotic vehicle (ROV). The expedition will take place ~August 6 to September 22, 2023 aboard the 274-foot R/V *Thomas G Thompson* and will utilize the ROV *Jason*. We will be working at depths up to 9500 ft beneath the oceans' surface and at sites that include methane seeps off the Oregon margin; Axial Seamount (the largest and most active submarine volcano off our coast); active hydrothermal vents hosting novel animal and microbial communities, and in some of the most biologically productive environments known in the oceans off Newport, Oregon. There are no prerequisites for this class - it is open to *all* students, transportation to the ship is provided, and *all* costs are covered except 3 credits tuition for Ocean 411 Fall 2023.

Participation is open for one to all four legs of the cruise. Each leg is ~ 10 days in length. You will work alongside world class scientists, engineers, and the ship's and ROV crew to gain at-sea research and sea-going experience using advanced oceanographic research instruments and vehicles. You will conduct your own research and/or outreach projects using data collected with some of these tools. The course will emphasize the importance of science communication during your time at sea and throughout Fall quarter. During Fall quarter, you will have the opportunity to finish your individual and/or team projects - these can turn into longer duration projects as well.

As a member of this oceanographic expedition and class, you will be taking part in maintenance of the US's first high-power and -bandwidth ocean observatory directly connected to the Internet - the Regional Cabled Observatory. You will be participating in a truly groundbreaking effort that continues to transform science and exploration in the worlds' oceans.

APPLICATION FOR VISIONS'23 is at http://www.interactiveoceans.washington.edu/

Submit application via email by March 27, 2023 to Dr. Deb Kelley (dskelley@uw.edu)