Call for Applications

(Version March 8, 2017)

Summer Field Course "Introduction to Field Oceanography" in the North Atlantic (Halifax, Canada)

Supported by the Schulich Ocean Studies Initiative

Course dates: July 26-August 11, 2017

The Schulich Ocean Studies Initiative

The Schulich Ocean Studies Initiative of the Schulich Foundation brings together marine scientists and researchers from Israel and Dalhousie University to undertake joint marine research projects, student internships and field courses in both countries (http://www.iui-eilat.ac.il/SchulichInitiative/Default.aspx). The differing ocean environments of the Red Sea and the North Atlantic, together with similar phenomena (strong vertical mixing, spring blooms, animal migration and dispersal among rich benthic communities, etc.), as well as shared interests and expertise between Dalhousie and Israeli researchers in both basic marine science and aquaculture, indicate a high potential for innovative science.

Course description (see Syllabus, http://www.iui-eilat.ac.il/SchulichInitiative/Default.aspx**)**

This course is being offrered as part of the Initiative and is intended for upper level undergraduate students. The maximum number of students is 24, eight of whom will come from Israel. Prerequisites for the course include an introductory oceanography course or other introductory courses in natural sciences. Class will meet six days a week for 14 days. Class will last the entire day and is split into a morning and afternoon session, each lasting about three hours. Sessions are spent either on the water, in the lab, or at a lecture. Students will possess a basic knowledge on biological oceanographic processes and how these

processes interact with the Ocean's physical and chemical environment. Outstanding problems currently facing biological oceanographers will be discussed, as well as current attempts and methodologies to address them. The focus of the course is largely field based, on small vessels operating in Bedford Basin, Halifax Harbour. Students will learn to use modern sea-going equipment to approach hypothesis-driven oceanographic problems. Laboratories will focus on analysis of samples and data from this local marine environment. Students will demonstrate their accomplishment of these objectives by satisfactory performance in writing a group scientific manuscript based on the results from the field experiments, and by satisfactory participation in at-sea activities and class discussion. Students will present their work in a group-written scientific manuscript.

Scope

This call is made to solicit applications for the above-described course being offered as an accredited course, from any eligible Israeli undergraduate student registered in one of the seven participating universities and Ruppin Academic Center, through the Interuniversity Institute for Marine Sciences in Eilat (IUI). This fully-funded opportunity will cover the costs of travel, accommodation, food, and extra course costs. Students must have valid health insurance that covers international travel. The course will be hosted by Dalhousie University, Halifax, Canada.

Course dates:

July 26-August 11, 2017. Note: Israeli students must plan to be available for several days before and after the course for travel, orientation meetings, and a field trip.

Eligibility

The course is open only for registered, upper year undergraduate students from any Israeli university or Ruppin Academic Center with a background in ocean sciences, marine biology, or other physical sciences. High-level proficiency in English (speaking, reading, and writing) is mandatory. Preference will be given to students who plan to continue studying for a higher degree in any field of marine sciences.

Application Process

Interested eligible Israeli students are asked to complete the on-line application form (http://www.iui-eilat.ac.il/SchulichInitiative/Default.aspx) and upload a CV and a transcript of university courses and grades.

Selection Process

Eight Israeli undergraduate students will be selected for the 2017 course. Applications will be evaluated based largely on academic success and the applicant's suitability for the program. The selection panel will consist of professors and administrators participating in the Schulich Initiative.

Timeline

Deadline for applications: March 31, 2017 at 17:00.

Decision: Within 3 weeks.

Contact information for Israeli student applicants:

Simon Berkowicz, International Projects Coordinator, The Interuniversity Institute for Marine Sciences in Eilat, E-mail: simonb@mail.huji.ac.il