

UNIVERSITY OF GUELPH
Ontario Universities Program in Field Biology

Course Title:	Marine Biology & Oceanography
Instructor(s):	Dr. Jim Ballantyne, Department of Integrative Biology, 519-824-4120, ext. 52708; jballant@uoguelph.ca Dr. Sarah Schorno, Department of Integrative Biology, 519-824-4120, ext. 56557; cdemill@uoguelph.ca Dr. Peter Smith, Department of Integrative Biology, 519-824-4120, ext. 53676; pssmith@uoguelph.ca
Dates:	Saturday, August 3 st – Saturday, August 17 th , 2019
Location:	Huntsman Marine Science Centre , St. Andrew's, New Brunswick.
Cost:	\$2,000 approx. (includes all meals, accommodations and transportation at HMSC). Cost does not include transportation to or from St. Andrews, N.B.
Prerequisites:	University Invertebrate Zoology Course University Aquatic Biology Course University Statistics Course N.B. This course is intended for 3rd or 4th year students specializing in Biology.
Enrolment:	20 students (5 for OUPFB; 15 for University of Guelph)
Description:	A two-week course held at the Huntsman Marine Science Centre, St. Andrews, New Brunswick. Aspects of the ecology, behaviour, physiology, biochemistry and genetics of marine organisms will be studied as well as basic oceanographic techniques. The course will include group exercises to study various intertidal and subtidal environments as well as boat cruises to collect plankton, benthic invertebrates, marine fish and to observe marine mammals. The course provides excellent opportunities for students to familiarize themselves with state-of-the-art techniques involved in various branches of marine biology and oceanography and conduct an individual research project.
Evaluation:	Group Project 40 % Individual Project 50 % Participation 10 %