

UNIVERSITY OF GUELPH
Ontario Universities Program in Field Biology

Course Title:	Marine Biology & Oceanography	
Instructor(s):	Dr. Beren Robinson (berenrob@uoguelph.ca; 519-824-4120 x58968)	
Dates:	July 29 – August 12, 2017	
Location:	Huntsman Marine Science Centre , St. Andrew's, New Brunswick	
Cost:	Approximately \$1,950 (\$350 deposit to home university, \$1600 balance due as indicated by the instructor); Includes: all meals, accommodations and transportation at HMSC. Excluded: transportation to or from St. Andrews, N.B.	
Prerequisites:	University Aquatic Biology (or Ecology) and Statistics courses University Invertebrate Zoology course (recommended) NOTE: This course is intended for 3rd or 4th year students specializing in Aquatic/Marine Biology. NOTE: We will be operating in all weather on boats, on steep and slippery rocky coastlines and on soft muddy and sandy shorelines. Field work will occur depending on tides and so can start before 6AM and end after 9PM. Lab research and discussions can go well into the night. Please indicate any limitations and/or disabilities that may affect your participation in such field or lab work so that we can evaluate opportunities for accommodation.	
Enrolment:	20 students (15 reserved for 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 community structure in various intertidal 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 the major coastal communities and techniques used to study coastal marine biology and oceanography. Students conduct a group project on zonation in their first week and conduct self-motivated individual research projects in the second week.	
Evaluation:	Group Project Individual Project Participation	40% 55% 5%

***\$350 Deposit is due at time of registration.

Tuition at your home institution is *in addition* to any field module costs.

Students who drop a field course should not expect a refund of any field course costs.

Students are encouraged to purchase cancellation insurance if airline tickets are required.

Students are responsible for all fees incurred by the home or host university due to any bounced cheque.