

McMASTER UNIVERSITY - DEPARTMENT OF BIOLOGY

OUPFB COURSES IN FIELD BIOLOGY FOR 2015

McMaster is part of the Ontario Universities Programme in Field Biology (OUPFB). The Biology Department will be offering undergraduate students field biology courses for credit. There is a selection of intensive modules on different areas of field biology, taught by faculty from McMaster and other Ontario universities.

Check out <http://www.oupfb.ca/index.html> for additional information and a link to the detailed descriptions of the 2015 Field Season Modules. Contact Person: Rebecca Woodworth, Biology, LSB-215A, biology@mcmaster.ca

MODULES:

Modules consist of intensive courses, either one or two weeks in length. A schedule summarizing essential information on titles, dates, locations, and costs of each module appears on the reverse.

The modules given by institutions in any given year will often change. Additional costs for transportation, meals, and lodging are listed on the module outlines and must be sent to the module's host University at a date determined by the host University.

Please read the outline carefully so that you understand what prerequisites are required and what costs will be covered by your payment.

McMaster tuition fees for Biology 3R03 or 4J03 are in addition to the module costs listed.

A combination of 'first-come, first-served', seniority, and an effort to give each student at least one 'first-choice' is used to determine a student's acceptance into a module.

APPLICATION PROCESS - Deadline January 30, 2015

Note: Applications can be taken after this date and any time until the start of a module, but will be dependent upon space being available.

1. Complete the application form at <http://www.oupfb.ca/>
2. Submit the application and a \$350.00 deposit (payable to "McMaster University") to Rebecca Woodworth, LSB-215A.
You will be notified after Reading Week whether or not a spot in the requested module is available and reserved for you.
3. Once you receive confirmation that a spot is reserved for you, you will be advised in which session to register for the free course, BIO 3RF0 (or 4JF0). Confirmation of McMaster course registration must be provided to Rebecca Woodworth before your placement in the module is guaranteed. Even if full module funds have been paid, you will be ineligible to attend the course if you have not registered at McMaster University in the field biology course.
4. You will register into BIOLOGY 3R03 or 4J03 (and pay the associated McMaster tuition fees for this course) in the semester immediately following your field experience.

ENROLMENT LIMITS/PREREQUISITES:

Enrollment is limited in each module. McMaster is only given a small number of guaranteed spots in certain courses. However, after the first round of applications, vacancies usually exist and can be filled by students from any university. It is therefore important to apply for a Module even if McMaster shows no guaranteed spots – you will be placed on the waiting list and stand a good chance of getting into many modules. Modules may be cancelled if there are too few applications so it is important to show interest early. It is the student's responsibility to ensure that they meet module prerequisites.

CREDIT:

YOU MUST REGISTER FOR BIOLOGY 3R03/4J03/4JJ3 like any other McMaster credited course.

To obtain 3 units of credit for these courses, a student must complete a total of two weeks of field work plus assignments. This may be accomplished by taking one two-week module or two one-week modules in any given year. It is also possible to take one one-week module in one year and the second one-week module the next year, but credit is not possible until both weeks are completed.

Students at McMaster can take a minimum of 3 units or a maximum of 6 units worth of field courses towards their degree programs.

ASSIGNMENTS:

Assignments vary with the module, but may include preparatory readings, seminars to be given during the module, and usually include an essay or report. Such a report is due four weeks after the end of the module. Read the course description carefully and ask questions of the instructor to be sure of your responsibilities.

Module	Title	Cost *	Host	Location	2013 Dates
1	<u>Fish and Fisheries: Science, Conservation and Management</u>	\$995	Carleton	Queen's University Biological Station (QUBS), ON	April 26 - May 10
2	<u>Tropical Marine Environments</u>	Est. \$2450	Western	Belize Marine Studies Field Camp at Lighthouse Reef Atoll, Belize	April 30 - May 12
3	<u>Introduction to Tropical Ecosystems</u>	Est. \$3500	Ottawa	Costa Rica	May 1 - May 14
4	<u>Costa Rica: Rainforest and Reef</u>	Est. \$3700	Waterloo	Costa Rica	May 1 - May 15
5	<u>Dolphin and Whale Biology and Conservation in Tropical Asia</u>	\$1950	Trent	Hong Kong and Taiwan	May 2 - May 15
6	<u>Aquatic Insect Behavioural Ecology</u>	\$1150	Brock	Wildlife Research Station, Algonquin Provincial Park	May 3 - May 16
7	<u>Subtropical Ecology: Biodiversity and its Sustainable Utilization</u>	\$1750	McMaster	Hunan Province, China	May 3 - May 17
8	<u>Ecology of Amphibians & Reptiles</u>	\$1000	Queen's and Ottawa	Queen's University Biological Station (QUBS), ON	May 3 - May 16
9	<u>Temperate Field Biology</u>	\$700	Toronto	Joker's Hill, King City, ON	May 3 - May 16
10	<u>Ornithology of Coastal Virginia</u>	\$1300	Trent	Chincoteague Island, Virginia	May 3 - May 16
11	<u>Field Ornithology</u>	\$350	Ottawa	Ottawa area	May 4 - May 17
12	<u>Adirondack Forest Ecology</u>	\$850	Western	Adirondack Ecological Center, Newcomb, NY, USA	May 5 - May 20
13	<u>Field Botany – Medicinal Plants in Flora of Ontario</u>	\$400	Wilfrid Laurier	Wilfrid Laurier, S. Ontario, Bruce Peninsula	May 11 - May 22
14	<u>Tropical Biodiversity</u>	Est. \$3000	Western	Ecuador, South America	May 19 – June 4
15	<u>Great Lakes Field Biology</u>	\$350	Windsor	Great Lakes Institute for Environmental Research (GLIER), Windsor	June 7 - June 20
16	<u>Effects of Human Development on Aquatic Environments and Biodiversity in Canada and China: Canadian Part</u>	Est. \$1000	Queens	Queen's University Biological Station (QUBS), ON	July 26 – Aug 8
17	<u>Marine Mammals and Seabirds</u>	\$1950	Waterloo	Huntsman Marine Science Centre, St. Andrews, New Brunswick	Jul 26 - Aug 8

18	<u>Marine Biology & Oceanography</u>	\$1900	Guelph	Huntsman Marine Science Centre, St. Andrew's, New Brunswick.	Aug 1 - Aug 15
19	<u>Field Entomology and Ecology</u>	\$1100	McMaster	Queen's University Biological Station (QUBS), ON	Aug 9 - Aug 22
20	<u>Tropical Ecology</u>	\$2400	McMaster	Selous Game Park, Tanzania	Aug 11 - Aug 22
21	<u>Tropical Entomology</u>	\$1750	Ottawa	French Guiana, South America	Aug 15 - Aug 30
22	<u>Field Ecology & Natural History</u>	\$1050	Carleton	Queen's University Biological Station, Elgin, ON	Aug 16 - Aug 29
23	<u>Field Ecology</u>	\$975	Guelph	Wildlife Research Station, Algonquin Provincial Park	Aug 16 - Aug 29
24	<u>Experimental Studies in Marine Biology</u>	\$1900	Western	Huntsman Marine Sciences Centre, St. Andrew's, New Brunswick	Aug 22 - Sep 5
25	<u>Aquatic Ecology and Experimental Limnology</u>	\$1200	Lakehead	The Experimental Lakes Area, Northwestern Ontario ¹⁴	Aug 23 – Sep 4
26	<u>Restoration Ecology of Damaged Watersheds: From Microbes to Fish</u>	\$950	Laurentian	Sudbury and Killarney Park, ON	Aug 23 – Sep 5
27	<u>Environmental Change in Lake Ecosystems</u>	\$1150	Queens	Queen's University Biological Station (QUBS), ON	Aug 23 – Sep 5
28	<u>Lake Ecosystem Dynamics</u>	\$850	Toronto	Harkness Fisheries Research Labs, Algonquin Park	Aug 24 – Sep 4
29	<u>Coral Reef Ecology - Scuba Diving</u>	\$2200	Carleton	Cape Eluthera Marine Biology Station, Bahamas	Dec 27 - Jan 10, 2016
30	<u>Winter Ecology of Birds</u>	\$1170	Queens	Queen's University Biological Station (QUBS), ON	Feb 9 – Feb 21, 2016

*Cost – be sure to check detailed trip description to determine what is included in the cost – airfare is often extra, as are some other costs.