UNIVERSITY OF WINDSOR
Ontario Universities Program in Field Biology

Course Title:	**Great Lakes Field Biology: Innovative technologies in fisheries and aquatic ecology**
Instructor(s):	Dr. Aaron Fisk (afisk@uwindsor.ca)
Dates:	May 6 – 18, 2018
Location:	Great Lakes Institute for Environmental Research (GLIER), University of Windsor (see www.uwindsor.ca/glier). 2990 Riverside Dr., Windsor, ON, Canada.
Cost:	$750 ($350, **non-refundable deposit** to the home university at time of registration is applied to the course fee), $400 balance paid to the University of Windsor at start of course. If required during Windsor stay, housing/accommodation is approximately $500 for 2 weeks on top of the $750 course fee. Housing will be arranged at Canterbury College residences near GLIER . The fee does not include food. Housing has kitchen access and fully furnished rooms. The above price is an estimate based on the previous year and may change at the time of the course is offered. Please contact the professor to arrange housing 1 month prior to the start of the course.
Prerequisites:	Students should have second or third-year courses in ecology, environmental science, and/or geography, and an introductory statistics course. Having completed a limnology or aquatic ecology course would be an asset. Students will need to be comfortable around water, boats, and handling fish.
Enrolment*:	10 (4 spots reserved for University of Windsor)
Description:	Visible from space, the Laurentian Great Lakes (GLs) hold one-fifth of all fresh surface water on Earth. Its five lakes are among the world's largest by volume and contain widely varying habitats and a high number of species, many threatened or endangered, providing a model system for studying ecology, conservation, and management of fish and aquatic ecosystems. This course will be taught by Canada Research Chair Aaron Fisk, a leading authority on food webs and fish movements, and will expose students to state-of-the-art technologies used in aquatic ecology, many developed in the Fisk Lab. The objective of this course is to provide students with hands-on experience and practical skills needed for research and data analysis in fisheries and aquatic science in large aquatic ecosystems, and learn about the ecology, ecosystems and threats to the GLs. A typical day will consist of fieldwork on Lake St. Clair and the Detroit River in the morning, followed by short lectures and laboratory analyses in the afternoon at GLIER. Students will gain experience in: aquatic sampling (vegetation, invertebrates and fish); fish identification, handling and surgery; laboratory analysis for stable isotopes; and aquatic biotelemetry technology. Students will develop research projects and collect data that will be used for a 20-minute conference style seminar at the end of week 2 and a final laboratory report due June 18.
Evaluation:	Participation (field work, laboratory analysis) (15%) Seminar (30%) Field Note Book/Data Generation/Documentation (10%) Quiz (15%) Final lab report (30%)

*****$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.