

Queen's University
Ontario Universities Program in Field Biology

Course Title:	Effect of Human development on aquatic environments and biodiversity in China
Instructor(s):	Prof. Yuxiang Wang (Biology, Queen's) 613-533-6134 yuxiang.wang@queensu.ca Prof. Steve Lougheed (Biology, Queen's) 613-533-6128 steve.lougheed@queensu.ca
Dates:	Monday, Aug 13 – Sunday, Aug 25, 2018 (14 days); 3 credits
Location:	Lower and middle reaches of the Yangtze River in Eastern China
Cost:	Estimated Cost: \$2,200 (\$350 deposit to home university at the time of application) covering all costs of room and board at various field sites, and all local travel. International airfare is not included.
Prerequisites:	Completion of 2 nd year biology or equivalent in environmental science program
Enrolment:	14 (4 reserved for Queen's university) plus 16 students from 4 partner Chinese universities (Tongji, Fudan, China Southwest and Beijing Normal universities).
Description:	<p>This course provides Canadian & Chinese students with first-hand experience with tools for environmental and biodiversity assessment, and insights into the interaction between human development and the environment, with focus on selected aquatic ecosystems in both China and Canada. This 2-week field course takes place exclusively in China where we will visit the Shanghai/Jiangsu/Zhejiang area (Chongming Isl., the Grand Cannel system, various wetlands, Tai Lake and the Thousand Islands area), with potential visits to other conservation areas and wetlands along the Yangtze River. Students will learn about differing attitudes and perceptions of development and biodiversity in the two cultures. We will visit a series of aquatic sites along the Yangtze River, and undertake some comparative research on habitat degradation, quantifying biodiversity, and assessing water quality. Guest researchers will illuminate major issues in aquatic habitat degradation, bioremediation, and biodiversity conservation. Students will write a major paper on their research upon return to their home institutions. The course is organized around five themes: 1) Biodiversity assessment, 2) Habitat assessment including reconstructed wetlands, 3). Aquatic environmental degradation, 4). Water control & usage, 5) Relationship between social economic development and aquatic environment.</p> <p>See: http://post.queensu.ca/~yuxiangw/teaching/fieldcourse.html for more information.</p>
Evaluation:	Course participation (20%), Field Journal (15%), Blog contributions (10%), Seminar presentations (20%), Final report (35%)

***\$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.