TEACHING FELLOWSHIP AVAILABLE – Fall 2026
BIOL 335/3.0 – Limnology and Aquatic Ecology
Queen's University, Kingston, ON Canada K7L 3J9

The Department of Biology at Queen's University invites applications from suitably qualified candidate(s) interested in teaching, or co-teaching (i.e., two individuals sharing the course) a course in ***Limnology and Aquatic Ecology*** (BIOL335). This is a fall-term appointment for the period September 1 to the end of December 2026. The maximum enrolment of BIOL335 is 60 students and is timetabled with three 50-minute seminars a week, bi-weekly labs and field excursion consisting of four modules/day at the Queen's University Biological Station (QUBS) early in the term on a weekend. A faculty mentor, who has previously taught this course will be available to provide advice. Individual(s) with strong collaborative skills are encouraged to apply. We invite applications from all qualified graduate students and are committed to employment equity and diversity in the workplace and welcomes applications from women, visible minorities, indigenous peoples, persons with disabilities, and persons of any sexual orientation or gender identity.

Teaching Fellows at Queen's University are governed by the *Collective Agreement* between the Queen's PSAC 901 which is posted at https://psac901.org/unit-1-collective-agreement/.

Qualifications: To be considered for the position, applicants must be PhD candidates (having passed the comprehensive exam) who have completed relevant undergraduate or graduate coursework. Preference will be given to applicants who have relevant teaching or teaching assistantship experience, and related research expertise.

Applications should include: i) a cover letter outlining your expertise in limnology and aquatic ecology, your familiarity of the material of this course, and experiences related to teaching (maximum 2 pages); ii) an up-to-date CV; iii) a copy of your undergraduate and graduate transcripts (unofficial is fine); and a letter of support from your supervisor. If you are planning on co-teaching with another graduate student, please submit a joint cover letter.

Please send your application to: Kiki Snook, Graduate Studies Advisor (biolgradassistant@queensu.ca)

Please submit your applications by July 3rd, 2026. The review of the applications will start shortly after this date. The final appointment is subject to budgetary approval.

Calendar Description:

BIOL 335 - Limnology and Aquatic Ecology - Units: 3.0
Physics, chemistry and biology of freshwater lakes. Emphasis on morphometry; light and temperature; water chemistry in relation to nutrients; physiological requirements; composition and interaction of algal and invertebrate populations; eutrophication; pollution; environmental change.
NOTE QUBS Field trip: estimated cost $70.
Learning Hours: 113 (36 Lecture, 18 Laboratory, 8 Off-Campus Activity, 51 Private Study)
Requirements: Prerequisite CHEM 112/6.0. Recommended BIOL 200/3.0 or BIOL 201/3.0* or BIOL 202/3.0*.
Offering Faculty: Faculty of Arts and Science
Course Learning Outcomes:

1. Analyze and interpret chemical and biological data collected using limnological techniques to improve skills drawing valid conclusions from complex data sets.
2. Apply limnological concepts and critical thinking to demonstrate an integrated understanding of the roles of physical, chemical and biological characteristics and processes in structuring aquatic communities (at all trophic levels from microbes to fish), in Arctic, temperate and tropical systems.

3. Appraise, logically predict, and clearly communicate the impact of a variety of human activities (e.g. watershed disturbances, mining, industrial activities) on ecosystems and environmental health, and formulate appropriate remediation techniques.
4. Conduct, analyze, and interpret the laboratory exercises to gain understanding of limnological concepts, and gain experience in the writing of clear, concise and integrated reports.
5. Explain and effectively communicate how basic principles and concepts associated with the physical, chemical, and biological aspects of limnology can be applied to understand lake ecosystems.
6. Understand, recognize, and describe contributions from the disciplines of physics, chemistry, biology, geography, environmental studies and engineering to develop an overarching understanding of limnological systems.

Posted: June 10, 2026