

TEACHING FELLOWSHIP AVAILABLE – Fall 2025
BIOL 860/3.0 – Introduction to Management & Statistical Analysis of Biological Data
Queen's University, Kingston, ON CAN K7L 3J9

The Department of Biology at Queen's University invites applications from suitably qualified candidates interested in teaching a course on the foundations of statistical approaches using R as an individual teaching fellowship or a co-teaching fellowship (i.e., two individuals sharing the course). The expected enrolment is 15 students. This is a fall term appointment for the period September 1 to the end of December 2025.

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/>. This course will emphasize the development of skills in using R for analyzing, graphing and managing biological data. Emphasis will be placed on fundamental understanding of statistics and the initial approaches to take when confronted with complex biological data. The incumbent will be able to provide support on basic techniques for describing data and the foundations of hypothesis testing under a framework of normal error distributions.

Applications should include: a cover letter outlining your academic accomplishments and relevant experience for this course (maximum 1 page), a course proposal on this topic of up to three pages; an up-to-date CV, a copy of your transcript (unofficial is fine), and a letter of support from your supervisor. Please note all applicants must have completed their comprehensive exam as a prerequisite to their application.

Please arrange to have applications and supporting letters sent directly to:

Lindsey Morey, Administrative Assistant to the Head of Biology
biolheadadmin@queensu.ca

Applications will be reviewed following the closing of the application period: **June 28th, 2025**. The final appointment is subject to budgetary approval.

Course Description:

BIOL 860/3.0 – Introduction to Management & Statistical Analysis of Biological Data

This course is for students at the early stages of planning research and collecting data. Topics include experimental design, matching hypotheses with statistical analyses, parameter estimation and graphing. Analyses will be based on a normal error distribution implemented in the R statistical language. Lectures. (3 hrs) & tutorials (3 hrs); First 6 weeks of fall term. Enrolment may be limited. Course weight: 3.0 credit units. EXCLUSION: BIOL-843 Offering Faculty: Faculty of Arts and Science

Posted: (May 28, 2025)