BIOB52H3F 2021
Laboratory in Ecology and Evolutionary Biology

OBJECTIVES:

- Explore selected concepts in ecology and evolutionary biology
- Develop a variety of lab skills and techniques
- Experience field techniques and an appreciation for fieldwork
- Use computers for ecological and evolutionary analysis
- Improve your literature search and reading skills
- Improve your scientific writing skills
- Improve your ability to think critically, about both data and experiments

CALENDAR DETAILS:

- Prerequisite: BIOA01H3 & BIOA02H3
- Corequisite: BIOB50H3 or BIOB51H3

SCHEDULE:

- One hour lecture per week (Zoom), Tuesday 11-12
- One three hour laboratory every week. First lab Sept 15th/16th

QUERCUS:

- You are responsible for checking the Quercus page for this course frequently. Labs will be downloadable from Quercus, usually a week ahead of time. Also, please check Quercus the evening before labs and lectures for any last minute information and updates.

BROUGHT TO YOU BY:

Your B52 team,

- Professor: Nathan Lovejoy
- TA: Taegan Perez
- TA: Vanessa Luzuriaga-Aveiga
- Lab Techs: Daniel Yi, Patrick Ng

EMAIL POLICY:

- Before emailing, please check the Quercus page for the course. We may have already answered your question there.
- For lab related questions, please start by emailing your TA.
- For other matters, please email the instructor.
- When you email, include a subject line that includes "BIOB52" and that summarizes your question.
- We will do our best to reply to your emails within two to three days.

CONTACT INFORMATION AND OFFICE HOURS:

- We can be reached via email. Please send questions by email, or email to set up a videoconference meeting.

- Taegan Perez
  Email: taegan.perez@mail.utoronto.ca

- Vanessa Luzuriaga-Aveiga
  Email: vanessa.luzuriagaaveiga@mail.utoronto.ca

- Nathan Lovejoy
  Email: nathan.lovejoy@utoronto.ca

READINGS & LAB PREPARATION

- There is no text specifically for this course. Lab materials will be posted on Quercus for download. Lab materials will be available approximately one week before the relevant lab. Some lab materials will also include pdfs of primary literature, or references to primary literature.
- Please bring your lab coat and eye protection to all labs. For outdoor labs, prepare appropriately (umbrella, raincoat, boots if raining; hat, sunglasses, sunscreen if sunny)
- You are responsible for attending lecture and for reading provided material before lab. Some labs will start with a pre-lab quiz. These will count towards your final grade (see EVALUATION below)

EVALUATION

This is a laboratory course, so there are no mid-terms and no final exam. Instead, evaluation will be via:

Lab quizzes:
These are given to assess whether you are fully prepared for the lab, and have understood the material. The material may consist of: (1) lecture material (usually provided in the lecture the day before the lab), (2) the instructions/description of the lab, (3) other associated readings for the lab, such as primary scientific literature, and (4) your experience carrying out the lab. Quizzes will sometimes be given at the start of the lab in question, and sometimes at the end of the lab in question (you will not know when quizzes are scheduled).

Short assignments:
These are short written assignments (4 to 5 pages in length) that will be based on lab material. Each of the assignments will differ, but they will typically involve questions regarding lab material. They are typically due one week after the lab in question.

Lab write-ups:
These are written assignments that involve the presentation and analysis of data from the lab, in greater depth than the short assignments. These assignments typically take the form of a typical lab report, with introduction, methods, results, and discussion. These will be approximately 10+ pages in length. They are typically due two weeks after the lab in question.

Marks will be assigned as follows:

	Number	Value for each	Percent of total
Quizzes	4	2.5%	10%
Short assignments	3	10%	30%
Lab write-ups	3	20%	60%

Late Reports:
Handing in written material after a deadline will result in a deduction of 10% of the value of the assignment per day.

OTHER INFORMATION

Plagiarism:
NOTE: You may collaborate in evaluating the results of the labs. However, the writing of all turned in material must be your own. Thus, you may not copy from anyone's report (or from any other source) for this year or for any other year. Plagiarism will be dealt with under the Code of Behaviour on Academic Matters (consult the Calendar).

Normally, students will be required to submit their course essays to the University's plagiarism detection tool for a review of textual similarity and detection of possible plagiarism. In doing so, students will allow their essays to be included as source documents in the tool's reference database, where they will be used solely for the purpose of detecting plagiarism. The terms that apply to the University's use of this tool are described on the Centre for Teaching Support & Innovation web site https://uoft.me/pdt-faq.

Medical absences:
If you miss term work or a lab due to illness you should self-declare within 48 hours via Acorn. Fill in the notes field within the self-declaration tool on Acorn to specify what you are missing and applicable due dates to be considered. For additional instructions on how to declare illness please review the following resource https://help.acorn.utoronto.ca/blog/ufaqs/how-do-i-declare-an-absence/. If you are missing term work or are absent for another reason (including: short-term illness under the care of a Physician or someone affiliated with Health and Wellness, disability reasons, a family death, vehicle accident, essential travel that is not vacation related, or varsity activities) you must e-mail the course instructor and Jennifer Campbell (jac.campbell@utoronto.ca) in advance or within 48 hours of the term work due date or absence. Please note all documentation will be verified for authenticity by Jennifer Campbell and any accommodations (if applicable) will be determined by the course instructor.

Please note that we understand that life happens and you may miss term work for valid reasons and we will help you navigate through those situations. Please remain in communication with our departmental admin office as well as the course teaching team.

Intellectual Property (IP):
Recording or photographing or video capture of any aspect of this course (including lectures, labs, field trips, etc.) without prior approval of all involved and without written approval from the instructor is not permitted. Students should be aware that their courses contain the IP of their instructor, TA, and/or the University of Toronto.

IP includes items such as:
– Lecture content, spoken and written (and any audio/video recording thereof)
– Lecture handouts, presentations, and other materials prepared for the course (e.g., PowerPoint slides)
– Questions or solution sets from various types of assessments (e.g., assignments, quizzes, tests, final exams)
– Work protected by copyright (e.g., any work authored by the instructor or TA or used by the instructor or TA with permission of the copyright owner
Sharing this IP without the IP owner's permission is a violation of IP rights. For this reason, it is necessary to ask the instructor, TA and/or the University of Toronto for permission before uploading and sharing the IP of others (e.g., to an online repository, students, etc.).

Tentative Class Schedule:
The tentative syllabus and class schedule for this course is provided on Quercus. Some adjustments may be made as the course progresses. The instructor reserves the right to modify this syllabus and the lecture/lab schedules as necessary throughout the term to meet course learning objectives and for health and safety reasons. Any changes will be announced on Quercus and followed by the posting of updated material. You are responsible for being aware of the contents of this syllabus.