BIOLOGY 184   Evolution and Biodiversity

Department of Biology, University of Victoria
Fall 2020

Structure and scheduling of the course
The course has four elements:

Asynchronous Lectures – The lectures will be delivered in the form of narrated PowerPoint presentations that we will post on the course website on Brightspace. You will be able to watch them according to your own schedule. You will not need PowerPoint on your computer. We will convert the PowerPoints to mp4 files that you can watch just by clicking on the title of the lecture.

Our plan is to post three lectures every Friday, each approximately 30 minutes.

Q-and-A with the lecturers
There are three ways we will be able to answer your questions. Each lecturer will let you know which format they prefer.

- First, the Brightspace site has a forum allowing students to post questions that the lecturer can read and answer. Both the questions and the answers will be publicly available to the whole class at any time, a valuable feature, because several students might be wondering about the same issue.

- Second, we can have synchronous Zoom Q-and-A sessions. These sessions will take place on Zoom at times the university has scheduled for synchronous delivery:
  Section A01: Monday, Thursday*, 8:30 – 9:45 AM
  Section A02: Monday, Thursday*, 11:30 – 12:45 PM
  Section A03: Monday, Thursday*, 3:30 – 4:45 PM

  We have chosen to use only the Monday time slots for live Q-and-A sessions on Zoom. A given instructor might or might not make use of these sessions. Attendance at these sessions will not be mandatory; if you have any questions, you may drop in and out as you wish. These sessions will not be recorded, so the questions and answers will not be available to students who have not attended the session.
  *The Thursday lecture time slots will not be used in this course.

  Please note that Monday, October 12, is Thanksgiving, so there will be no Zoom sessions on that day. Also, Monday, November 9 is part of UVic's Reading Break, and we will not have Zoom sessions on that day either.

- Third, you can email us directly with your questions or schedule a personal Zoom appointment. This would be appropriate if you have something personal or confidential to discuss.

Synchronous Labs – Labs are an important part of Biology. We have worked hard to put together meaningful labs. See the information about labs, below.

Online Exams – see the information about the online exams, below.

Required text
Campbell Biology, third Canadian edition, by Urry *et al.* 2021. Available through the bookstore. You can purchase either a hardcopy or e-text version.

If you have access to the previous edition of the text (second Canadian edition), that will be alright for you to use, but bear in mind that some of the pagination, figure numbers and problem numbers might be different.

Biology 186, in January, will also use the third Canadian edition. You will be able to use the second Canadian edition in that course too.

New copies of the text come with access to the publisher's website, Mastering Biology, plus the etext. Some students find this access useful, but we do not require access in this course. If you are using the second Canadian edition of the text, which does not come with website access, you will not have to purchase website access to do well in this course.

If you buy a new book, or if you buy the etext + Mastering Biology, you will need a course ID and other information about accessing the Pearson website. Please see the sheet of instructions that we have posted for you on Brightspace under 'Getting Started'.

Labs
Labs begin the week of Monday, September 14. You must purchase a hard-copy lab manual and Foldscope for the labs. These are available through the UVic bookstore.

The laboratory portion of the course is worth 45% of your final grade. You must pass the lab in order to pass the course. Please see the introduction in your laboratory manual for full laboratory policies and details.

Attendance in the synchronous laboratory sessions is mandatory. If you miss more than two labs for any reason, even with a medical excuse, you will receive a failing grade (F) in the course.

Evaluation
The lecture portion of the course is worth 55% of your final grade. The lecture exams will not be cumulative. They will be open on Brightspace for several hours on the days stated, but you will be timed when you make your attempt, and you must finish the exam in a certain specified time. If you must stop in the middle of your exam attempt, due to internet problems or for some other reason, your clock will stop, and you can continue later without incurring a time penalty.

The exams will be open book. However, you may not consult anyone else, either in this course or outside it, to help you with your attempt. We ask on the honour system that you observe this rule.

- Thursday, October 1

Deferred lecture exams

If you are ill the day of a lecture exam, please get ahold of the course coordinator, Dr. Beaulieu (gregoryb@uvic.ca) to arrange a deferred writing.

Grading

At the University of Victoria, grades are submitted by instructors as percentages. These will be converted to letter grades by administration, accordin

Lecture topics, text readings

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Lectures posted October 16, 23, 30; November 6
Zoom sessions (if applicable) October 26; November 2, 16
Exam November 19

Fungal diversity	Reading: pp. 698-715 (2nd ed., pp. 692-710)
Invertebrate diversity	Reading: pp. 717-719, 723-728 (2nd ed., pp. 712-714, 719-724), pp. 731-761 (2nd ed., pp. 726-756)
Vertebrate diversity	Reading: pp. 765-791 (2nd ed., pp. 759-785)

Dr. Beaulieu
Lectures posted November 13, 20, 27
Zoom sessions (if applicable) November 23, 30
Exam Final exam period (December)

Genetics	Chapter 14, pp. 285-300; Chapter 15, pp. 312-314 (2nd ed. Chapter 14, pp. 281-296; Chapter 15, pp. 307-309)
Introduction to evolution	Chapter 22
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