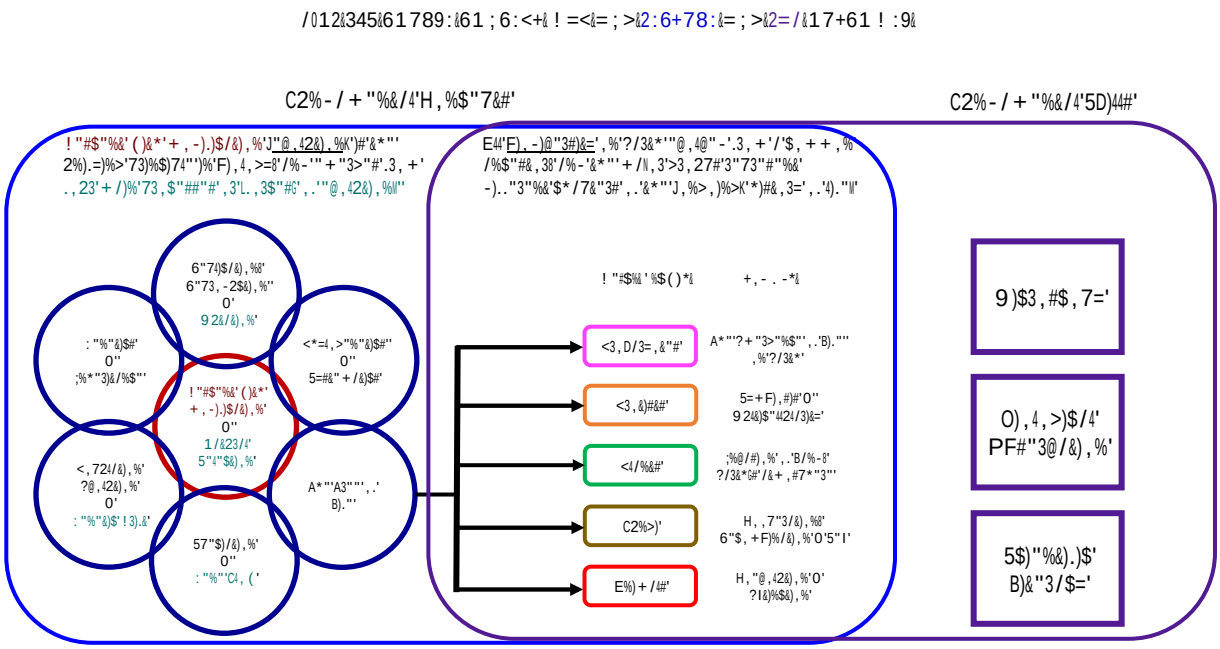
BIOL 184 – Evolution and Biodiversity
University of Victoria
Syllabus (Summer 2021)

General Course Information

Welcome! This course will survey all of biological diversity – prokaryotes, protists, plants, fungi and animals – and will use a fundamental fact of the living world, evolution, to tie together this diversity. It will also introduce genetics. The course will be offered in an online format, which means that students will interact with their Instructors and Teaching Assistants, and each other, using various software applications (see the section on Course Website and Materials).
This is a condensed course that is only seven weeks long and will move very quickly. You are permitted to take more than one summer course, however, the requirements will be demanding. It is not recommended that students take more than two condensed online courses at one time.



Contact Hours & Delivery of Course Materials

Lectures: Monday, Wednesday & Thursday, 8:30am - 10:20am
**These are official timetable hours, but most lectures will be delivered asynchronously*
Labs**: Monday and Wednesday, 11:30am (B01) or 2:30pm - (B02)
***Enrolment in the laboratory section is mandatory, and students are required to attend live-stream laboratory sessions synchronously*

Prerequisites

Any one of: Biology 11, Biology 12, Biology 150A, Biology 150B, Biology 186. You may also

About the Instructors

Important Dates
Monday May 10th, 8:30am -10:20am PDT – first lecture
Monday May 10th, first lab at scheduled B01 (11:30am) & B02 (2:30pm) lab times
Monday May 24th, Victoria Day Holiday – NO LABS
Monday May 31st, lab & lecture combined midterm during B01 & B02 lab times
Monday June 21st, lab final exam at scheduled B01 & B02 lab times
Thursday June 24th, 8:30am - 10:20am PDT – lecture final exam

Reading List for Lecture Content
**subject to change*
***page numbers are for Campbell 3rd edition, but I've added the page numbers for the 2nd edition in parentheses*

Week 1:
Ch 22. Descent with Modification: a Darwinian View of Life, pp. 498-514 (2nd ed., pp. 492-508)
Ch 12. The Cell Cycle, pp. 246-258 (2nd ed., pp. 243-253)
Ch 13. Meiosis and Sexual Life Cycles, pp. 270-282 (2nd ed., pp. 256-278)
Ch 26. Phylogeny and the Tree of Life, pp. 586-600 (2nd ed., pp. 582-593)

Week 2:
Ch 27. Bacteria and Archaea, pp. 607-617 (2nd ed., pp. 603-615, 618-622)
Ch 28. Protists, pp. 629-653 (2nd ed., pp. 625-649)

Week 3:

Tentative Topic Schedule

With the exception of May 10th, all lecture content will be delivered asynchronously, but every Thursday (and the last Wednesday)

Appendix: Policies

Academic Integrity

The University of Victoria and the Department of Biology take academic integrity (including plagiarism) as a serious matter. Please read this:
https://web.uvic.ca/calendar2020-01/undergrad/info/regulations/academic-integrity.html

Missed examinations and assignments

You are NOT required to provide a medical note. If the Midterm is missed (with valid reason), your instructor may opt to have you write a make-up test at a later date. If the Final Exam is missed, Write the exam before the end of the exam period, or 2) R For missed laboratory assignments, refer to the Laboratory Man instructor.

Accessibility and special needs

Students with special needs will be welcomed and accommodated, provided those needs are registered through the Centre for Accessible Learning (https://uvic.ca/services/cal; phone: 250-472-