BIOLOGY 184 – Evolution and Biodiversity

Summer 2016
Department of Biology, University of Victoria

Course Description
This course will survey all of biological diversity – prokaryotes, protists, plants, fungi and animals – and will use one of the fundamental facts of the living world, evolution, to tie together this diversity. It will also introduce genetics.

Lecture Meetings
TWF 8:30 – 10:20 AM, Engineering and Computer Science 124

Lecture Instructors
- Dr. Greg Beaulieu, Petch 006, phone 250-721-7140.
  Email gregoryb@uvic.ca. If you send me an email, please put “Biology 184” in the message line so I know it is not spam.
  Office hours: Tuesday and Friday 10:30 AM – 12:00 noon; or by appointment; or just drop by. I will keep these office hours only during the weeks that I am lecturing; those will be the weeks of May 9 – 13, May 16 – 20, June 13 – 17, and June 20 – 24. If you need to see me during the weeks I am not lecturing, please set up an appointment with me via email.

- Dr. Rossi Marx, Petch 105, phone 250-721-7089.
  Email zoology@uvic.ca. If you send me an email, please put “Biology 184” in the message line.

Lab Coordinator
- Alicia Rippington, Cunningham 010, phone 250-721-8713. Email: genbiol@uvic.ca.

Prerequisite
Any one of: Biology 11, Biology 12, Biology 150A, Biology 150B, Biology 186. A course in chemistry at either the high school or university level is strongly recommended.

Required Text
Campbell Biology, special UVic custom edition (a modification of the first Canadian edition), by Reece, Urry, Cain, Wasserman, Minorsky and Jackson. Available in the bookstore. This is the same book that will be used in Biology 186 during July – August.

A used copy of the text is acceptable.

We will not use the text website maintained by the publisher (Mastering Biology), so you don’t have to purchase access to it.

Labs
Labs begin on Wednesday, May 11. Please purchase a lab manual from the bookstore and bring it to the first lab. You must come to your first lab to hold your place in the course.
Students sometimes have challenges and queries pertaining to lab assignments and exams. If you have such an issue, your TA and the senior lab instructor will be happy to discuss it with you, but please raise the issue with them within one week after receiving the marked assignment or exam. We cannot consider appeals after that.

**Course Website**
Biology 184 has a CourseSpaces website. You will find there lecture and lab notices, test results, practice questions, exam information, links and lecture notes. Please check the site before each class and lab.

**Class Conduct**
We would like to remind students that talking in class, texting, surfing, and reading a newspaper are all irksome to students sitting nearby and to the instructor. We ask that you be mindful of this and treat the people around you with respect and courtesy.

**Evaluation**
- Midterm Lecture Exam (Friday, June 3) 30%
- Final Lecture Exam (Friday, June 24) 30%
- Lab (many components) 40%

The final exam will NOT be cumulative, unless you missed the midterm. The lecture midterm and final exam will be mixed format.

In Biology 184, you must pass the lab in order to pass the course. To determine if you have passed the lab, we will round your lab grade (out of 40) to the nearest whole number using our spreadsheet program, and if that rounded number is 20 or higher, you have passed the lab. So a mark of 19.6/40 would round up to 20/40 and would pass the lab, but 19.4/40 would round down to 19/40 and would not pass. If you do not pass the lab, a course grade of N will be submitted for you.

You do not have to pass either the lecture midterm or the lecture final exam to pass the course. It is necessary only that your total course mark is 50% or better (after rounding), and that you have passed the lab.

**Midterm Exam and Final Exam Policy**
No electronic devices will be permitted during an exam – that means no cell phone and no calculator. Turn off your cell phone and stow it.

You cannot have a pencil case on your desk during an exam. Before the exam begins, take out the writing materials you will need and stow your pencil case.

During the midterm exam and the final exam, the instructor cannot answer any clarification questions. However, if you believe a question is bad (garbled text, no correct answer, more than one equally correct answer), please bring your concerns to the attention of the instructor as soon as possible after the exam, preferably when you turn in your exam.

If you must miss the midterm exam for a valid reason (illness, accident, family affliction, or competition as a UVic athlete), you must notify Dr. Beaulieu in person or by email as soon as
possible and provide suitable documentation for your absence. You will write a make-up midterm at the time of the final exam.

The final exam can be deferred in cases of illness, accident, family affliction, or commitments as a UVic athlete. If you expect to miss the final exam for any of these reasons, please notify Dr. Beaulieu as soon as possible, in person or by email. You must also fill out a Request for Academic Concession (RAC) form, available from Undergraduate Admissions and Records in the University Center or online (http://www.uvic.ca/registrar/assets/docs/record-forms/rac.pdf).

Travel plans are not a valid reason for missing the midterm test or the final exam.

**Grading**

At the University of Victoria, grades are submitted by instructors only as percentages. These will be converted to letter grades by Records, according to the grading scale given in the university calendar. *Please do not ask us to raise your percent grade in order to qualify you for a higher letter grade. We turn down all such requests.*

No supplemental final exam (second-chance final exam) will be given in this course, although, as described above, you may defer the final exam for any of the reasons given.

You will receive a grade of N in the course under any of these circumstances:
- you do not pass the lab (a pass is 20/40 or better, rounded to the nearest whole number by our spreadsheet), or do not complete one of the essential lab requirements
- you miss three or more labs, even with medical or other documentation
- you miss the final exam without a valid reason

**Lecture Topics**

Lecture notes for each topic will be posted on the CourseSpaces site; please bring them to class. The notes will also include page readings from your text.

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