COURSE OUTLINE
Grading Systems

CAMOSUN COLLEGE
School of Arts & Science
Department

BIOL 102 Non-Majors Biology 2
Winter 2002 – Section 002

COURSE OUTLINE

The Approved Course Description is available on the web @

http://www.camosun.bc.ca/divisions/registrar/calendar/courses/bio.htm

PREREQUISITES

English 12 or assessment. Math 10 recommended. Students going on in Sciences will require further mathematics. Note: Students who have BIOL 080 without BIOL 060 or Biology 11 should take BIOL 102 to complete their 2 semesters of preparatory Biology for Majors courses.

Instructor Information

(a) Instructor: Rosemary Mason
(b) Office hours: T.B.A.
(c) Location: RH 303
(d) Phone: 370-3301
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(f) Website: www.camosun.bc.ca/~masonr

Intended Learning Outcomes

1) be able to identify and classify living organisms to their major taxonomic groupings, and to list their defining characteristics
2) be able to describe the major lines of evidence for evolution
3) be able to explain the mechanics of natural selection and speciation
4) be able to discuss the nature of scientific knowledge; its limits and strengths, and how it is produced
5) be able to explain basic concepts in population and community ecology
6) be able to recognize and explain the major threats to biodiversity and ecosystem processes, and ways in which these threats might be mitigated

Required Materials

(a) Textbook: Johnson, G.B. 2003. The Living World. 3rd edition. McGraw Hill. [or the 2nd edition]

(b) BIOL 102 Laboratory Manual

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Course Content and Schedule

Lectures: T, Th, F 11:30 – 123:20

Lab: W 9:30 – 12:20

Week	Date	Labs	*Lecture*
1	Jan. 6-10	Lab Safety; Lab 1: Microscopes	• Taxonomy, species concepts • Basic chemistry I • Basic chemistry II
2	Jan. 13-17	Lab 2: Set up Bottle Ecology Lab 3: Set up Lab 3	• DNA, genes, and genetics • Scientific knowledge I • Scientific knowledge II
3	Jan. 20-24	Lab 3 Soil diversity Lab 2: Examine Bottle Ecology	• Viruses and Bacteria • Origin of Life • Protists
4	Jan 27-31	Lab 4 Protist & Fungi diversity Lab 2: Examine Bottle Ecology	• Fungi • Plants • Plants
5	Feb. 3-7	Lab 5: Plant diversity Lab 2: Examine Bottle Ecology	**Midterm I** • Plant life cycle review • Invertebrates
6	Feb. 10-12 13-14	Lab 6: Animal diversity Lab 2: Examine Bottle Ecology **Reading Break**	• Invertebrates • Invertebrates
7	Feb. 17-21	**Lab Exam I** Lab 2: Examine Bottle Ecology	• Vertebrates • Vertebrates • Darwin's revolution
8	Feb. 24 - 28	Lab 7: Evolution Lab 2: Examine Bottle Ecology	• *Beyond Genesis* • Macroevolution • Microevolution
9	Mar. 3-7		**Midterm II** • Review for Midterm • Population Ecology I • Population Ecology II
10	Mar. 10-14	Lab 8: Graphs, means, distributions, and statistics Lab 2: Examine Bottle Ecology	• Interspecific interactions • Community Ecology I • Community Ecology II
11	Mar. 17-21	Lab 9: Mark recapture Lab 2: Examine Bottle Ecology - final	• Biodiversity Crisis • Human Demographics • Global Climate Change
12	Mar. 24-28	Lab 10: Field Trip (Mt. Douglas)	• Threats to Biodiversity I • Threats to Biodiversity II • Overexploitation I
13	Mar. 31 - Apr 4	Lab 11: Predation	• Overexploitation II • Exotic Species and Disease • Problems of Small Populations
14	Apr. 7-11	**Lab Exam II**	• Ecosystem services • Reserve Design • Review for Final
	Apr. 14-17, 22-25		**Final as scheduled**

Midterms I and II will be unit exams. The final lecture exam will be cumulative.

5. Basis of Student Assessment (Weighting)

Lab Exam I	12.5%
Midterm I	15%
Midterm II	15%
Lab Exam II	12.5%
Assignments/quizzes	20%
Final Exam	25%

ADDITIONAL INFORMATION

Be sure that you are familiar with the General Department Policies, which are stated in the lab manual. These policies cover absenteeism, late assignments (but see below), attendance, exam scheduling, plagiarism as well as other topics and will be discussed during the first lab meeting.

Each student is required to sign a Laboratory Safety Contract and give it to the instructor prior to commencing laboratory work in the course.

No programmable devices are allowed in exams.

Assignments are due at the **beginning** of the class period on the due date. Assignments not handed in at the beginning of class will be considered late, for which there is a 15% penalty/day.

You should plan on a minimum of 6 hours outside of scheduled class time for the completion of assignments and for general studying.

6. Grading System

The following percentage conversion to letter grade will be used:

A+ = 95 - 100%	B = 75 - 79%	D = 50 - 59%
A = 90 - 94%	B- = 70 - 74%	F = 0.0 - 49%
A- = 85 - 89%	C+ = 65 - 69%	
B+ = 80 - 84%	C = 60 - 64%	

LEARNING SUPPORT AND SERVICES FOR STUDENTS

There are a variety of services available for students to assist them throughout their learning. This information is available in the College Calendar, Registrar's Office or the College web site at http://www.camosun.bc.ca

ACADEMIC CONDUCT POLICY

There is an Academic Conduct Policy. It is the student's responsibility to become familiar with the content of this policy. The policy is available in each School Administration Office, Registration, and on the College web site in the Policy Section.

www.camosun.bc.ca/divisions/pres/policy/2-education/2-5.html