



School of Arts & Science
BIOLOGY DEPARTMENT

BIOL 102- 001
Non-Majors Biology 2
2010F

COURSE OUTLINE

Instructor Information

Instructor:	Don MacRae
Office Hours:	Wed (9:30-12:30), Thurs (10:30-12:30) and by appointment
Location:	Fisher 346A
Phone:	250-370-3437 (answering machine)
Email:	dmacrae@camosun.bc.ca
Website:	D2L

Intended Learning Outcomes

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

Required Materials

Wilson, E. O. The Diversity of Life. W.W. Norton & Company, New York, 1999.

Desire to Learn (D2L) access:

- Laboratory Instructions and assignments as well as lecture assignments will be available over the D2L website.

Course Content and Schedule

Lectures: Wed, Thursday 1:00-2:20 in F 202

Labs: 01A, Fri 1:30-4:20 in F 244; 01B, 9:30-12:20 in F244

Week	Date	Lecture Topic	Labs
1	Sept 08	Introduction/Properties of Life	
	Sept 09	History of Life	
	Sept 10		Introduction
2	Sept 15	History of Life	
	Sept 16	Ecology	
	Sept 17		Lab 01 Microscopes; Caminalcules
3	Sept 22	Ecology	
	Sept 23	Evolution	
	Sept 24		Lab 02 Mt Tolmie field trip
4	Sept 29	Evolution	
	Sept 30	Prokaryotes	
	Oct 01		Lab 03 Soils and microbes 1
5	Oct. 06	Protists	
	Oct. 07	Protists	
	Oct. 08		Lab 04 Soils and microbes 2
6	Oct 13	Lecture test 1	
	Oct 14	Plants	
	Oct 15		Lab 05 Goldstream field trip
7	Oct 20	Plants	
	Oct 21	Plants	
	Oct 22		Lab 06 Protists
8	Oct 27	Fungi	
	Oct 28	Fungi	
	Oct 29		Lab Exam 1
9	Nov 03	Invertebrates	
	Nov 04	Invertebrates	
	Nov 05		Lab 07 Plants
10	Nov 10	Remembrance Day (no class)	
	Nov 11		
	Nov 12		Lab 08 Fungi
11	Nov 17	Lecture Test 2	
	Nov 18	Invertebrates	
	Nov 19		Lab 09 Invertebrates
12	Nov 24	Chordates	
	Nov 25	Vertebrates	
	Nov 26		Lab 10 Chordates
13	Dec 01	Vertebrates	
	Dec 02	Vertebrates	
	Dec 03		Lab Exam 2
14	Dec 08	Summary	
	Dec 09		
	Dec 10		
	Dec 13-21	Final Exam to be scheduled in this period	

Basis of Student Assessment

Assignments: 30%

Reading Assignments	10%
Lab Assignments	20%

Exams: 70%

Lecture test 1	10%
Lecture test 2	15%
Lab Exam 1	7.5%
Lab Exam 2	7.5%
Final Exam	30%

Exams not written:

- 1) A student who misses an exam because of illness or emergency should contact the instructor (in person, e-mail or phone message) as soon as possible – preferably before the start of the exam.
- 2) Some verification of the reason for missing the exam is required.
- 3) Make-up exams will only be offered for the final exam. If an exam, other than a final exam, is missed because of illness or emergency, the missing mark will be obtained by averaging the marks obtained on the completed exams.

Standard Grading System (GPA)

Percentage	Grade	Description	Grade Point Equivalency
90-100	A+		9
85-89	A		8
80-84	A-		7
77-79	B+		6
73-76	B		5
70-72	B-		4
65-69	C+		3
60-64	C		2
50-59	D	Minimum level of achievement for which credit is granted; a course with a "D" grade cannot be used as a prerequisite.	1
0-49	F	Minimum level has not been achieved.	0

Temporary Grades

Temporary grades are assigned for specific circumstances and will convert to a final grade according to the grading scheme being used in the course. See Grading Policy E-1.5 at camosun.ca for information on conversion to final grades, and for additional information on student record and transcript notations.

Temporary Grade	Description
I	<i>Incomplete:</i> A temporary grade assigned when the requirements of a course have not yet been completed due to hardship or extenuating circumstances, such as illness or death in the family.
IP	<i>In progress:</i> A temporary grade assigned for courses that, due to design may require a further enrollment in the same course. No more than two IP grades will be assigned for the same course. <i>(For these courses a final grade will be assigned to either the 3rd course attempt or at the point of course completion.)</i>
CW	<i>Compulsory Withdrawal:</i> A temporary grade assigned by a Dean when an instructor, after documenting the prescriptive strategies applied and consulting with peers, deems that a student is unsafe to self or others and must be removed from the lab, practicum, worksite, or field placement.