



**School of Arts & Science
BIOLOGY DEPARTMENT**

**BIOL 102- 001A, 001B
Non-Majors Biology 2
2009F**

COURSE OUTLINE

1. Instructor Information

(a)	Instructor:	Don MacRae
(b)	Office Hours:	Monday and Tuesday (1:30–2:30); Wednesday and Friday (2:30–4:00) or as available (drop-in or appointment)
(c)	Location:	Fisher 346A
(d)	Phone:	250-370-3437 (answering machine)
(e)	Email:	dmacrae@camosun.bc.ca
(f)	Website:	D2L

2. Intended Learning Outcomes

Upon completion of this course the student will be able to:

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.

3. Required Materials

(a) Text:

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

(b) Desire to Learn access:

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

4. Course Content and Schedule

Week	Date	Lecture Topic	Labs
1	Sept. 09 Sept. 10	Introduction History of Life	Introduction
2	Sept. 16 Sept. 17	Prokaryotes	Lab 1 Microscopes and microscopic organisms
3	Sept. 23 Sept. 24	Protists	Lab 2 Mt Tolmie field trip 1
4	Sept. 30 Oct. 01	Plants	Lab 3 Soils and microbes
5	Oct. 07 Oct. 08	Plants	Lab 4 Soils and animals
6	Oct. 14 Oct. 15	Lecture test 1 Fungi	Lab 5 Protists
7	Oct. 21 Oct. 22	Invertebrates	Lab 6 Plants
8	Oct. 28 Oct. 29	Invertebrates	Lab 7 Fungi
9	Nov. 04 Nov. 05	Vertebrates	Lab 8 Invertebrates
10	Nov. 11	Remembrance Day (no class)	No Labs this week
	Nov. 12	Vertebrates	
11	Nov. 18 Nov. 19	Lecture Test 2 Vertebrates	Lab 9 Chordates
12	Nov. 25 Nov. 26	Ecology	Lab 10 Mt Tolmie fieldtrip 2
13	Dec. 02 Dec. 03	Ecology	Lab 11 Review of Diversity
14	Dec. 07 Dec. 08	Summary	Lab Exam

5. Basis of Student Assessment (Weighting)

(a) Assignments: 30%

Reading Assignments	10%
Lab Assignments	20%

(b) Exams: 70%

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

Exams not written:

- 1) A student who misses an exam because of illness or emergency must contact me (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.

6. Grading System

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 3^d 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.

ADDITIONAL COMMENTS AS APPROPRIATE OR AS REQUIRED