



**School of Arts & Science
BIOLOGY DEPARTMENT**

**BIOL 102- 001A, 001B
Non-Majors Biology 2
2008F**

COURSE OUTLINE

The Approved Course Description is available on the web @ _____

1. Instructor Information

(a)	Instructor:	Tom Mace
(b)	Office Hours:	Monday – Friday 12:30 – 1:30 (except Wednesday and Thursday, when office hours will be 11:30 - 12:20); or at any other time when Tom is in his office.
(c)	Location:	Fisher 248B
(d)	Phone:	250-370-3436 (answering machine)
(e)	Email:	Mace@camosun.bc.ca
(f)	Website:	N/A

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) Texts :

Audesirk et. al., 2008. Biology: Life on Earth with Physiology, 8th ed. Pearson/Prentice Hall.

Biology 102. Laboratory Manual. Camosun College.

4. Course Content and Schedule

Tentative Schedule

	Week	Lecture Topic	Laboratory Exercise
1	Sept.2 - 5	Definitions of life (1.3) Systematics (1.4, Chapt.18)	Introduction
2	Sept.8 - 12	Population Ecology (Chapt.26)	Ecological Simulations
3	Sept.15 - 19	Community Ecology (Chapt.27) Ecosystem Ecology (Chapt.28)	Microscopes
4	Sept. 22 - 26	Viruses, Bacteria (Chapt.19) Protists (Chapt.20)	Bacteria, Protists
5	Sept.29 - Oct.3	Fungi (Chapt.22) Plants (Chapt.21)	Fungi Plants (I)
6	Oct.6 - 10	More Plants	Lab Exam I
7	Oct.13 - 17	Mid-Term Lecture Exam (Weds. Oct. 15) Invertebrates (Chapt.23)	Oct. 13 Thanksgiving Day – College Closed Plants (II)
8	Oct.20 -24	More Invertebrates Vertebrates I (Chapt.24)	Animals (I)
9	Oct.27 - 31	Vertebrates II Human Evolution (17.6)	Animals (II)
10	Nov.3 - 7	Principles of Evolution (Chapt.14)	Diversity Review
11	Nov.10 -14	Micro-evolution (Chapt.15)	Nov. 11 - Remembrance Day College Closed - No 102 Labs
12	Nov. 17 - 21	Speciation (Chapt.16)	Evolution
13	Nov.24 - 28	History of Life (Chapt.17) Extinction (16.4)	Lab Exam II
14	Dec.1 - 5	Animal Behavior (Chapt.25)	No Lab (lecture review)

5. Basis of Student Assessment (Weighting)

(a) Assignments: 10%

(b) Exams : 90%; distributed as follows:

Midterm Lecture Exam	20%	Lab Exam I	17.5 %
Final Lecture Exam	35 %	Lab Exam II	17.5 %

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. (For these courses a final grade will be assigned to either the 3 rd course attempt or at the point of course completion.)
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.

7. Recommended Materials or Services to Assist Students to Succeed Throughout the Course

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, at Student Services or the College web site at camosun.ca.

STUDENT CONDUCT POLICY

There is a Student Conduct Policy **which includes plagiarism**. It is the student's responsibility to become familiar with the content of this policy. The policy is available in each School Administration Office, at Student Services and on the College web site in the Policy Section.

ADDITIONAL COMMENTS AS APPROPRIATE OR AS REQUIRED