



**School of Arts & Science
BIOLOGY DEPARTMENT**

**BIOL 124-03
Evolution and Diversity
2006F**

COURSE OUTLINE

The Approved Course Description is available on the web @ _____

Ω Please note: this outline will be electronically stored for five (5) years only.
It is strongly recommended students keep this outline for your records.

1. Instructor Information

(a)	Instructor:	Rosemary Mason		
(b)	Office Hours:	TBA		
(c)	Location:	Ewing 236		
(d)	Phone:	370-3301	Alternative Phone:	
(e)	Email:	masonr@camosun.bc.ca		
(f)	Website:	http://masonr.disted.camosun.bc.ca/		

2. Intended Learning Outcomes

(No changes are to be made to this section, unless the Approved Course Description has been forwarded through EDCO for approval.)

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 major topics in evolutionary theory.
4. Discuss the nature of scientific knowledge in biology, its limits and strengths, and how it is documented.

3. Required Materials

(a)	Texts	1) Campbell, N. A. & J. B. Reece. 2005. Biology, 7 th ed., Pearson Education, Inc., San Francisco, CA. 2) Camosun College Biology Faculty. Fall 2006. Biology 124 Lab Manual, Camosun College, Victoria, B.C.
(b)	Other	

4. Course Content and Schedule

(Can include: class hours, lab hours, out of class requirements and/or dates for quizzes, exams, lectures, labs, seminars, practicums, etc.)

Course Content and Schedule

The schedule, which follows, is an attempt to outline the weekly activities of the class. It is subject to change or modification as the need arises.

Week	Date	Lecture Topic	Ch.	Labs
1	Sept 5-8	Introduction Phylogeny & Systematics	25	No Lab – first week
2	Sept 11-15	Darwinian Evolution Population Evolution	22 23	Lab 1 –Phylogeny and Classification
3	Sept 18-22	Origin of Species Origin of Life	24 26	Lab 2: Evolution
4	Sept 25-29	Prokaryotes	27	Lab 3: Natural Selection
5	Oct 2-6	Protists Midterm I	28	Lab 4: Prokaryotes
6	Oct 10-13	Protists Fungi	28 31	Lab 5: Protists
October 9 – Thanksgiving Holiday – college closed				
7	Oct 16-20	Fungi Seedless Plants	31 29	Lab Exam I
8	Oct 23-27	Seedless Plants Seed Plants	29 30	Lab 6: Fungi
9	Oct 30-Nov 3	Seed Plants	30	Lab 7: Plants part I
10	Nov 6-10	Animal Diversity Invertebrates Midterm II	32 33	Lab 8: Plants part II
11	Nov 14-17	Invertebrates	33	Lab 9: Animals I
November 13 – College closed in lieu of Remembrance Day				
12	Nov 20-24	Vertebrates	34	Lab 10: Animals II
13	Nov 27-Dec 1	Vertebrates	34	Lab 11: Animals III
14	Dec 4-8	Review		Lab Exam II

5. Basis of Student Assessment (Weighting)

(Should be linked directly to learning outcomes.)

(a)	Assignments	Assignments/quizzes	20%
(b)	Quizzes		
(c)	Exams	Lab Exam I	week of Oct. 16 12.5%
		Lab Exam II	week of Dec. 4 12.5%
		Midterm I	week of Oct. 2 15%
		Midterm II	week of Nov. 6 15%
		Final Lecture Exam	as scheduled 25%
(d)	Other (eg, Attendance, Project, Group Work)		

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

6. Grading System

(No changes are to be made to this section, unless the Approved Course Description has been forwarded through EDCO for approval.)

Standard Grading System (GPA)

Percentage	Grade	Description	Grade Point Equivalency
95-100	A+		9
90-94	A		8
85-89	A-		7
80-84	B+		6
75-79	B		5
70-74	B-		4
65-69	C+		3
60-64	C		2
50-59	D		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 at camosun.ca or 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 are designed to have an anticipated enrollment that extends beyond one term. No more than two IP grades will be assigned for the same course.
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.

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.

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.

Prerequisites: English 12 **or** assessment, **and** "C+" in Biology 12

ADDITIONAL INFORMATION

Be sure that you are familiar with the General Department Policies stated in the lab manual. These policies 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.

Note: There is the option of 1 free late assignment. There will be no penalty provided the assignment is received **prior** to it being marked and returned to the class. Any assignment received after its return to the rest of the class will be marked but will not receive credit.

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