



School of Arts & Science
BIOLOGY DEPARTMENT
BIOLOGY 124
Evolution & Biological Diversity
Fall 2013 (Sept-Dec)

COURSE OUTLINE

The course description is online @ <http://camosun.ca/learn/calendar/current/web/biol.html>

1. Instructor Information

Instructor:	Geoff Haywood, Ph.D.		
Office Hours:	Mon. 2.30 – 3.20 pm Wed. 10.30-11.20 AM Thur. 1.30 – 2.20 PM		
Location:	F246 (Fisher building)		
Phone:	250-370-3196	Alternative Phone:	n/a
Email:	haywoodg@camosun.bc.ca		
Website:	D2L		

2. Intended Learning Outcomes

Upon completion of this course the student will:

- 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 major topics in evolutionary theory

3. Required Materials

- 1) Textbook: Campbell, N. A. & J. B. Reece. 2011. Biology, 9th ed., (or earlier editions) Pearson Education, Inc., San Francisco, CA.
- 2) Camosun College Biology Faculty. Fall 2013. Biology 124 Lab Manual, Camosun College, Victoria, B.C.

4. Course Content and Schedule

Lecture

Wed, Thur, Fri 11:30 – 12:20 Y310

Lab

Section 002A Mon. 9:30 – 12:20 F244

Section 002B Thur. 2:30 – 5:20 F224

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.

Date	Lecture Topic	Ch.	Laboratory Exercise
Sept. 3 -6	Biological Diversity concept Darwinian Evolution	22	No scheduled lab
Sept. 9 – 13	Phylogeny Population Evolution	26 23	Lab 1 Phylogeny Appendix 2 Microscopes
Sept. 16 – 20	Species Evolution	24	Microscope quiz Lab 2 Natural Selection
Sept. 23 – 27	Prokaryotes	27	Lab 3 Prokaryote lab
Sept 30. – Oct 4	Protists Lecture Midterm 1 Exam	28	Lab 3 - completed Lab 4 Protist lab
Oct. 7 - 11	Protists	28	Lab Exam 1.
October 14 – Thanksgiving Day – College Closed			
Oct. 15 - 18	Seedless Plants	29	No Scheduled Lab (Thanksgiving)
Oct. 21 – 25	Seed Plants	30	Lab 5 Seedless plant lab
Oct 28-Nov. 1	Fungi Animal Evolution	31 32	Lab 6 Seed plant lab
Nov. 4 – 8	Invertebrates Lecture Midterm 2 Exam	33	Lab 7 Fungi Lab
November 11 – Remembrance Day – college closed			
Nov. 12 – 15	Invertebrates	33	No scheduled Lab (Remembrance Day)
Nov. 18 – 22	Vertebrates	34	Lab 8 Invertebrate Invertebrate 10
Nov. 25 – 29	Vertebrates	34	Lab 9 Arthropods & Echinoderms Vertebrate Lab 10
Dec. 2 – 6	Review & Catch up		Lab Final Exam

Last day to withdraw Nov.9th

Final exam Dec 10-14, 17,& 18 **Do not book flights** before final exam schedule is posted in October.

5. Basis of Student Assessment (Weighting)

Lab Exam I	10%
Lab Exam 2	15%
Lecture Midterm I	15%
Midterm II	15%
Final Lecture Exam	30%
Assignments/quizzes	15%

*** Lab exams will be unit exams. Lecture exams will be cumulative.

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 you throughout your 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 the College web site in the Policy Section.

8. Recommended learning techniques.

PLEASE READ THIS SECTION CAREFULLY SO YOU FULLY UNDERSTAND IT

This course involves an abundance of factual material and consequently may prove difficult for some students.

Due time should be allocated to assignments with a minimum of 3-5 hours spent each week on reviewing material.

In order to facilitate labs, it is important that students study the upcoming lab BEFOREHAND- in order to be fully familiar with the material to be presented. Students will be given short quizzes each week at the beginning of a new lab, BASED ON THE UPCOMING LAB – in order to reinforce this concept of doing a “prelab” study.