

COURSE OUTLINE
Grading Systems



School of Arts & Science

BIOL 102 Non-Majors Biology (Diversity)
FALL 2013

COURSE OUTLINE

1. Course Information

Course Description

An introduction to biological diversity, evolution, ecology, scientific knowledge, and the biodiversity crises. Includes a survey of the major taxonomic groups of living organisms, the evidence for evolution, natural selection, the nature of scientific knowledge, and the impact of humans on the ecology of populations, communities and ecosystems.

Prerequisites: English 12 or assessment. *Math 10 recommended.*

Time and Location

Section	001
Lecture A/B	M, Th 1:00-2:20PM (F200)
Lab A	F 9:30-12:20PM (F224)
Lab B	F 1:30-4:20PM (F224)

2. Instructor Information

Instructor: David Raju.

Office hours: TBA

Office location: F 342A

Phone: TBA

E-mail: raju@camosun.bc.ca

3. Required Materials

NONE

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4. Course Content and Schedule

The following tentative schedule is subject to change if deemed necessary by the instructor.

Note: mid-terms are scheduled for the first lecture of the week, unless specified otherwise.

week #	Week of	MONDAY LECTURE TOPIC	THURSDAY LECTURE TOPIC	FRIDAY LAB TOPIC
1	Sept 2	NO CLASS	Course Outline	Introduction to Biology, Lab Safety, Greetings, etc
2	Sept 9	Prokaryote Diversity	Diversity Case 1	LAB 1 Woodlice Scientific Method
3	Sept 16	Protist Diversity	Scientific Method Case 1	LAB 2 Pond Investigation
4	Sept 23	Fungi Diversity	Scientific Method Case 2	LAB 3 Protists
5	Sept 30	Plant Diversity	Diversity Case 2	LAB 4 Fungi/Plants
6	Oct 7	Invertebrate Diversity	Diversity Case 3	LAB 6 Invertebrates
7	Oct 14	NO CLASS	Chordate Diversity	LAB 7 Chordates
8	Oct 21	Diversity Case 4	Evolution Case 1	LAB 8 Diversity Review
9	Oct 28	Diversity Case 5	Evolution Case 2	EXAM 1 DIVERSITY
10	Nov 4	Evolution	Evolution Case 3	LAB 10 Diversity Index
11	Nov 11	NO CLASS	Evolution Case 4	LAB 9 Evolution
12	Nov 18	Evolution	Evolution Case 5	LAB 5 Wild Oat Seed Study
13	Nov 25	Evolution Review	Ecology Case 1	EXAM 2 EVOLUTION
14	Dec 2	Ecology Case 2	Ecology Case 3	LAB 9 Ecology

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5. Intended Learning Outcomes

- 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 the mechanics of natural selection and speciation
- 4) be able to discuss the nature of scientific knowledge; its limits and strengths, and how it is produced
- 5) be able to explain basic concepts in population and community ecology
- 6) be able to recognize and explain the major threats to biodiversity and ecosystem processes, and ways in which these threats might be mitigated

6. Basis of Student Assessment

Lecture Assignments	40%
Lab Assignments	40%
Exam1	10%
Exam 2	10%

7. Grading System

The following percentage conversion to letter grade will be used:

A+ = 90 - 100%	B = 73 - 76%	D = 50 - 59%
A = 85 - 89%	B- = 70 - 72%	F = 0 - 49%
A- = 80 - 84%	C+ = 65 - 69%	
B+ = 77 - 79%	C = 60 - 64%	

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ADDITIONAL INFORMATION

General:

ACADEMIC CONDUCT POLICY

There is an Academic Conduct Policy. It is the student's responsibility to become familiar with the content of this policy. The policy is available in each School Administration Office, Registration, and on the College web site in the Policy Section.

www.camosun.bc.ca/divisions/pres/policy/2-education/2-5.html

Each student is required to sign a Laboratory Safety Contract and give it to the instructor prior to commencing laboratory work in the course.

Attendance:

You are expected to attend all classes and labs, and be on time. It is your responsibility to acquire *all* information given during a class missed, incl. notes, hand-outs, assignments, changed exam dates etc.

Exams:

Missed exams cannot be made up except in case of documented emergency or illness (doctor's note required). If possible, you need to contact the instructor *prior* to the exam being missed in order to be eligible for the make-up exam.

Labs\Cases:

You need to attend labs during your assigned section (A or B). Switching between sections on a permanent or temporary basis requires instructor's permission. Labs/Cases can only be handed in for labs\lectures actually attended.