

	<p><b>School of Arts &amp; Science</b>  <b>BIOLOGY DEPARTMENT</b></p> <p><b>BIOL 102-01</b>  <b>Non-Majors Biology 2</b>  <b>2006F</b></p>
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## 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:	David Raju		
(b)	Office Hours:	W/Th 12:20-1:20PM and M/Th 5:20-6:20PM		
(c)	Location:	EWING 304		
(d)	Phone:	370-3925	Alternative Phone:	
(e)	Email:	<a href="mailto:raju@camosun.bc.ca">raju@camosun.bc.ca</a>		
(f)	Website:			

### 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 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	1) Textbook: Audesirk, Audesirk, and Byers. Biology: Life on Earth. Prentice Hall. 2) BIOL 102 Laboratory Manual
(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.)

*All exams are on the scheduled dates unless announced otherwise.*

<b>Week</b>	<b>WEEK'S TOPIC (D) AND CASE STUDY (C)</b>	<b>LAB</b>
Sept 5 - 8	Microbial Pie (C) Bacteria (D)	NO LAB
Sept 11 - 15	The Fish Kill Mystery (C) Protists (D)	Lab 9: Field Trip (Mt. Douglas)
Sept 18 - 22	Threats to Biodiversity (C) Fungi (D)	Lab 1: Microscopes, Lab Safety
Sept 25 - 29	The Yew Tree (C) Plants (D)	Lab 2: Bacteria, Protists, Fungi
Oct 2 - 6	Rocky Mountain Locust (C) Invertebrates (D)	Lab 3: Plants
Oct 9 - 13	Antipodal Mystery (C) Vertebrates (D)	NO LAB
Oct 16 - 20	<b>Wednesday: MIDTERM</b> Galapagos (C) Evolution (D)	Lab 4: Animals
Oct 23 - 27	Galapagos continued (C) Evolution (D)	Lab 5: Diversity Review
Oct 30 – Nov 3	Seven Skeletons (C) Evolution (D)	<b>LAB EXAM I</b>
Nov 6 - 10	Kin Selection (C) Evolution (D)	Lab 6: Evolution
Nov 13 - 17	As the Worm Turns (C) Evolution (D)	NO LAB
Nov 20 - 24	Coyote Removal (C) Ecology (D)	Lab 7: Science, graphs, statistics
Nov 27 – Dec 1	The Moose, the wolf, the fir (C) Ecology (D)	<b>Lab 8: Ecological Simulations</b>
Dec 4 - 8	Invasive Species (C) Review (D)	<b>LAB EXAM II</b>

### 5. Basis of Student Assessment (Weighting)

(Should be linked directly to learning outcomes.)

(a)	Assignments	Labs/Cases/Assignments	35%
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(b)	Quizzes	
(c)	Exams	Midterm 15%
		Lab Exam I 12.5%
		Lab Exam II 12.5%
		Final Exam 25%
(d)	Other (eg, Attendance, Project, Group Work)	

The Midterm, as well as the lab exams, will be unit exams.

The final lecture exam will be cumulative.

Please bring a pen *and* pencil to all exams.

## 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](http://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](http://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](http://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. Math 10 recommended.

Please note: **Plagiarism** will not be tolerated in any form, and may result in "0".

No **programmable devices** are allowed in exams.

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).** Unless prevented by emergency, you need to contact the instructor *prior* to the exam being missed in order to be eligible for the make-up exam.

**Labs and Case Studies:** Please come prepared with a pencil and a few sheets of unlined paper, in case drawings are required. **You can not turn in a lab or case study for marks if you did not participate in the activity during its scheduled time period!**

**Assignments:** *Unless otherwise stated, all assignments are due at the beginning of the lab/class of the due date.*