



## COURSE OUTLINE

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

- Ω Please note: the College electronically stores this outline for five (5) years only.  
It is **strongly recommended** you keep a copy of this outline with your academic records.  
You will need this outline for any future application/s for transfer credit/s to other colleges/universities.

### 1. Instructor Information

(a)	Instructor:	DAVID RAJU		
(b)	Office Hours:	TBA		
(c)	Location:	Fisher 342A		
(d)	Phone:		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 these Intended Learning Outcomes as approved by the Education Council of Camosun College.)

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) Required materials will be provided

#### 4. Course Content and Schedule

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

Biology 102-001A/B Lectures Wednesday 3:30-4:50PM in Young 201 and Friday 2:30-3:50PM in Young 201

Biology 102-001A Lab Monday 9:30AM-12:20PM in Fisher 226

Biology 102-001B Lab Monday 1:30PM-4:20PM in Fisher 226

DATE	DAY	MAIN TOPIC
<b>Sept 5</b>	<b>NO LAB</b>	<b>NO LAB</b>
Sept 7	W	Ornithology
Sept 9	F	Prokaryotes
Sept 12	M lab	Taxonomy
Sept 14	W	Process of Science
Sept 16	F	Applied Taxonomy
Sept 19	M lab	Platyhelminthes
Sept 21	W	Entomology
Sept 23	F	Chordates
Sept 26	M lab	Chordates
Sept 28	W	Kin Selection
Sept 30	F	Echinoderms
Oct 3	M lab	Crustaceans
Oct 5	W	Sexual Selection
Oct 7	F	Fungi
<b>Oct 10</b>	<b>NO LAB</b>	<b>NO LAB</b>
Oct 12	W	Principles of Evolution
Oct 14	F	Invertebrates
Oct 17	M lab	Invertebrates
Oct 19	W	Ichthyology
Oct 21	F	Speciation
Oct 24	M lab	Selection
Oct 26	W	Natural Selection
Oct 28	F	Plant/Fungi
Oct 31	M lab	Plant/Fungi
Nov 2	W	Mammalogy
Nov 4	F	Chordates
Nov 7	M lab	Plant Selection
Nov 9	W	Threats to Biodiversity
<b>Nov 11</b>	<b>F NO CLASS</b>	<b>NO CLASS</b>
<b>Nov 14</b>	<b>M lab EXAM 1</b>	<b>EXAM 1</b>
Nov 16	W	Ecological Principles
Nov 18	F	Protists
Nov 21	M lab	Protists
Nov 23	W	Physiological Ecology
Nov 25	F	Population Ecology
Nov 28	M lab	Ecology
Nov 30	W	Dichotomous Keys
Dec 2	F	Community Ecology
<b>Dec 5</b>	<b>M lab EXAM 2</b>	<b>EXAM 2</b>
Dec 7	W	Food Chains/Webs
Dec 9	F	Humans and Environment

## 5. Basis of Student Assessment (Weighting)

(This section should be directly linked to the Intended Learning Outcomes.)

- (a) Lecture Assignments = 35%
- (b) Laboratory Assignments = 35%
- (c) Exam 1 = 15%
- (d) Exam 2 = 15%

## 6. Grading System

(No changes are to be made to this section unless the Approved Course Description has been forwarded through the Education Council of Camosun College for approval.)

### 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](http://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 <sup>rd</sup> 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](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 the College web site in the Policy Section.

ADDITIONAL COMMENTS AS APPROPRIATE OR AS REQUIRED

8. ADDITIONAL COMMENTS AS APPROPRIATE OR AS REQUIRED

(a) Please note that to do well in this course your attendance must be excellent.

(b) You must be present for lab and lectures in order to hand in the accompanying assignment.