



**CAMOSUN COLLEGE**  
**School of Arts & Science**  
**Department of Biology**

**BIOL-124-D02A/B**  
**Evolution and Diversity**  
**FALL 2020**

**COURSE OUTLINE**

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

Ω Please note: This outline will not be kept indefinitely. It is recommended students keep this outline for their records, especially to assist in transfer credit to post-secondary institutions.

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**1. Instructor Information**

(a) Instructor	David Raju	
(b) Office hours	ONLINE	
(c) Location	ONLINE	
(d) Phone	(250) 384-4479 (HOME)	Alternative: _____
(e) E-mail	raju@camosun.bc.ca	
(f) Website		

**2. Intended Learning Outcomes**

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: materials provided online and in modules

(b) Other: materials provided online and in modules

#### 4. Course Content and Schedule

THIS IS AN ASYNCHRONOUS COURSE WHICH MEANS YOU WORK ON EACH MODULE AT YOUR OWN PACE AND SUBMIT EACH MODULE BY THE DUE DATE LISTED IN THIS COURSE OUTLINE. TO ASSIST/ FACILITATE/ TEACH/ HELP THE INSTRUCTOR IS AVAILABLE DURING THE FOLLOWING TEACHING HOURS/ OFFICE HOURS. COMPLETE THE MODULES WELL BEFORE THE DUE DATE SO THAT YOU HAVE PLENTY OF TIME TO ASK QUESTIONS AND LEARN THE CONCEPTS FOUND WITHIN THE MODULES YOU WILL SUBMIT BEFORE THEIR DUE DATE. THERE IS NO REASON NOT TO DO WELL IN THIS COURSE BUT YOU MUST BE DISCIPLINED IN YOUR STUDIES, ASK QUESTIONS WHEN NECESSARY AND ORGANIZE YOUR TIME ACCORDINGLY!

INSTRUCTOR AVAILABLE:

Biol 124 D02A/B: M/Tu/W/Th 9:30-12:20 and M/Tu/W/Th 1:30-4:20PM  
Biol 124 D03A/B: M/Tu/W/Th 9:30-12:20 and M/Tu/W/Th 1:30-4:20PM

Note: Instructor also available outside of these times but there may be a delay in response time

Communication for this course will be via:

email: [raju@camosun.bc.ca](mailto:raju@camosun.bc.ca)

and phone (250)384-4479

D2L will only be used to post grades for completed course Modules

**YOU WILL BE CONTACTED BY THE INSTRUCTOR VIA THE EMAIL YOU ARE LISTED UNDER IN THE CAMOSUN COLLEGE DATA BASE AND MUST RESPOND BY THE FIRST DAY OF CLASSES TO HOLD YOUR SEAT IN THE COURSE. THE FIRST EMAIL YOU RECEIVE FROM THE INSTRUCTOR WILL INCLUDE THE COURSE OUTLINE WHICH YOU ARE TO READ CAREFULLY AND THEN REPLY TO THAT EMAIL WITH THE FOLLOWING INFORMATION SO THAT YOU MAY RECEIVE MODULE 1 DURING THE FIRST WEEK OF CLASSES AND THUS ALLOW YOU TIME TO COMPLETE AND SUBMIT MODULE 1 BY SEPTEMBER 18, 2020 THE DUE DATE:**

- 1) **Subject line of email: Full Name and student number**
- 2) **In the body of the email:**
  - a) **Once again your full name**
  - b) **Once again your student number**
  - c) **The email address you wish to use for the course (make sure this email address matches the email listed for you on CAMLINK**
  - d) **Any Questions you may have about the Course outline thus far (Please Note the way in which this course works will become more clear after you receive and begin work on Module 1 (The course is not based on memorization and regurgitation teaching methods but rather is based on learning through student centered processes such as active learning and discovery to achieve the learning outcomes of the course. The learning is in the search. In other words those that do the doing do the learning. For meaningful and long lasting learning it is my belief that you can not be a passive participant in the process but rather must be the investigator in an investigation and the investigation you have been assigned is Biology 124. I hope you enjoy the course and make the most of it. After all, you get out of life what you put into it).**

MODULE #	LECTURE ACTIVITY	SIMULATED LAB	DUE DATE	% OF GRADE
1	Prokaryotes	Species at Risk Study	Sept 18	10% grade= /10
2	Protist Diversity	Identification of Protists	Sept 25	10% grade= /10
3	Fungi Diversity	Identification of BC Mushrooms	Oct 2	10% grade= /10
4	Method of Scientific Inquiry	Scientific Inquiry Investigation	Oct 9	10% grade= /10
5	Plant Diversity	Identification of Native BC Plants	Oct 16	10% grade= /10
6	Evolution	Experimental Study in Evolution	Oct 23	10% grade= /10
7	Invertebrate Diversity	Identification of BC Invertebrates	Nov 6	10% grade= /10
8	Diversity & Ecology	Ecological Study in Diversity	Nov 13	10% grade= /10
9	Chordate Diversity	Identification of BC Chordates	Nov 27	10% grade= /10
10	Cumulative Final Lecture Exam	Cumulative Final Lab Exam	Dec 11	10% grade= /10

## 5. Basis of Student Assessment (Weighting)

TEN COMPLETED MODULE PROJECTS MAKE UP THE COURSE. EACH COMPLETED MODULE IS WORTH UP TO TEN PERCENT OF THE FINAL GRADE. THE MARKS RECEIVED FOR EACH MODULE ARE ADDED TOGETHER TO DETERMINE A STUDENT'S FINAL GRADE (IN PERCENT) OUT OF ONE HUNDRED (TOTAL POSSIBLE MARKS).

## 6. Grading System

Standard Grading System (GPA)

Competency Based Grading System

## 7. Recommended Materials to Assist Students to Succeed Throughout the Course

## 8. College Supports, Services and Policies



### Immediate, Urgent, or Emergency Support

If you or someone you know requires immediate, urgent, or emergency support (e.g. illness, injury, thoughts of suicide, sexual assault, etc.), **SEEK HELP**. Resource contacts @ <http://camosun.ca/about/mental-health/emergency.html> or <http://camosun.ca/services/sexual-violence/get-support.html#urgent>

### College Services

Camosun offers a variety of health and academic support services, including counselling, dental, disability resource centre, help centre, learning skills, sexual violence support & education, library, and writing centre. For more information on each of these services, visit the **STUDENT SERVICES** link on the College website at <http://camosun.ca/>

### College Policies

Camosun strives to provide clear, transparent, and easily accessible policies that exemplify the college's commitment to life-changing learning. It is the student's responsibility to become familiar with the content of College policies. Policies are available on the College website at <http://camosun.ca/about/policies/>. Education and academic policies include, but are not limited to, Academic Progress, Admission, Course Withdrawals, Standards for Awarding Credentials, Involuntary Health and Safety Leave of Absence, Prior Learning Assessment, Medical/Compassionate Withdrawal, Sexual Violence and Misconduct, Student Ancillary Fees, Student Appeals, Student Conduct, and Student Penalties and Fines.

## A. GRADING SYSTEMS <http://camosun.ca/about/policies/index.html>

The following two grading systems are used at Camosun College:

### 1. 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		1
0-49	F	Minimum level has not been achieved.	0

## 2. Competency Based Grading System (Non GPA)

This grading system is based on satisfactory acquisition of defined skills or successful completion of the course learning outcomes

Grade	Description
COM	The student has met the goals, criteria, or competencies established for this course, practicum or field placement.
DST	The student has met and exceeded, above and beyond expectation, the goals, criteria, or competencies established for this course, practicum or field placement.
NC	The student has not met the goals, criteria or competencies established for this course, practicum or field placement.

## B. 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 <http://camosun.ca/about/policies/index.html> 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 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.