



CAMOSUN COLLEGE
School of Arts & Science
Department of Biology

BIOL-102-D01AB
Non-Majors Biology (Diversity)
2020F

COURSE OUTLINE

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

W 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.

1. Instructor Information

(a) Instructor	Brooke Cameron, MSc., BEd.
(b) Office hours	By appointment (send me an e-mail!)
(c) Location	N/A
(d) Phone	N/A Alternative:
(e) E-mail	cameronb@camosun.bc.ca (Please put BIOL 102 in the subject line!)
(f) Website	https://online.camosun.ca/d2l/home (D2L)

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 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) Access to Microsoft 365 Word & Excel
 - a. Free with Camosun student e-mail, go to <https://webservices.camosun.ca/o365-opt-in/>
- (b) For Book Club Assignment, one of the following books (your choice):
 - a. *Braiding Sweetgrass*, by Robin Wall Kimmerer
 - i. Unlimited e-versions available via Camosun library
 - ii. Hard copies for purchase at Camosun Bookstore
 - b. *The Immortal Life of Henrietta Lacks*, by Rebecca Skloot
 - i. Limited hard copies available for borrow via Camosun Library
 - ii. Hard copies for sale at Camosun Bookstore
 - iii. Limited e-versions available via Victoria Public Library

4. Course Content and Schedule

This course will be taught remotely and involves reading articles, watching videos, attending virtual tutorials and labs and completing assignments and exams to engage with the material. There will be synchronous and asynchronous activities.

Synchronous D2L Collaborate Meetings:

Labs: Section B: Mondays 9:30am-12:20pm
 Section A: Mondays 1:30pm-4:20pm

Lab assignments will be posted on D2L and students are expected to be present for the first part of the synchronous lab session to confirm understanding of lab requirements. The rest of the lab period is used to aid in the completion of the assignment.

Lectures/Tutorials: Wednesdays 11am-12:20pm
 Fridays 11am-12:20pm

Lecture material will be posted on D2L and students are expected to read/review the material prior to the tutorial sessions. Weekly assignments will allow students to demonstrate understanding.

Table 1. BIOL 102 Course Content Schedule

Week	Dates	Labs (Mon)	Lectures/Tutorials (Wed/Fri)
1	Sep 7-11	<i>Labour Day- No Lab</i>	1-Introduction to Course, Biology 2-Introduction to Science
2	Sep 14-18	Lab 1: Science & Graphs Due Sept 21	3- Biodiversity & Evolution 4- Mechanisms of Evolution
3	Sep 21-25	Lab 2: Natural Selection Due Sept 28	5- Speciation 6- Phylogeny, Taxonomy
4	Sep 28-Oct 2	Lab 3: Biodiversity and Taxonomy Due Oct 5	7- Viruses 8- Archaea & Bacteria
5	Oct 5-9	Lab 4: Bacteria and Protists Due Oct 13	9- Protists Oct 9- Exam #1
6	Oct 12-16	<i>Thanksgiving- No Lab</i>	10- Fungi 11- Seedless Plants
7	Oct 19-23	Lab 5: Fungi Due Oct 26	12- Gymnosperms 13- Angiosperms
8	Oct 26-30	Lab 6: Plants Due Nov 2	14 & 15- Invertebrate Animals
9	Nov 2-6	Lab 7: Invertebrates Due Nov 16	16 & 17- Invertebrate Animals
10	Nov 9-13	Lab 7: Invertebrates cont.	<i>Nov 11- Remembrance Day, No Lecture</i> Nov 13- Exam #2
11	Nov 16-20	Lab 8: Vertebrates Due Nov 23	18 & 19- Vertebrates
12	Nov 23-27	Lab 9: Community Ecology (Guest Speaker)	20- Population Ecology 22- Community Ecology
13	Nov 30-Dec 4	Nov 30 Lab Exam	23 & 24- Ecosystem Ecology Dec 4- Final Projects Due
14	Dec 7-11	Lab 10: TBA	25 & 26- Biodiversity and Humans
	Dec 14-22	FINAL EXAM PERIOD (Exam #3 Date and Time TBA)	

5. Basis of Student Assessment (Weighting)

(a) Assignments

Weekly Lab Assignments	25%
Weekly Lecture Assignments	10%

(b) Exams

Lecture Exam #1 (Oct 9)	10%
Lecture Exam #2 (Nov 13)	10%
Lecture Exam #3 (TBA)	15%

Lab Exam (Nov 30)	15%
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(c) Other

Book Club Project	7.5%
Biodiversity Project	7.5%

See "BIOL 102 Grade Breakdown In-Depth" document on D2L for assessment details.

6. Grading System

Standard Grading System (GPA)

Competency Based Grading System

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

Student Expectations in this Course:

- Attendance:
 - Students are expected to attend virtual collaborate sessions twice weekly (tutorials)
 - Students unable to attend are encouraged to review the recorded sessions
 - Students are required to write the quizzes/exams on their scheduled date (no exceptions)
- Assignment Submissions:
 - Students are expected to submit all work on time via D2L
 - **Late submissions will receive a 10% deduction** for every day they are past due
- Academic Honesty
 - It is the student's responsibility to review the school's policy on cheating/plagiarizing to ensure they do not act dishonestly in this course. See the [School of Arts & Science Academic Honesty Guidelines](#)
 - Students caught cheating or plagiarizing (whether accidental or on purpose) will have a permanent record sent to the Dean, and be academically penalized according to the guidelines
 - **Having ANYONE other than the student create or write an assignment/exam will result in an immediate zero on the assessment piece and may be removed from the course/college**
- Work Ethic
 - Students are expected to reach out to the instructor if there is any confusion or concern regarding the course schedule or its content, and to keep up with content
- Group Work
 - All group work will be marked with one single grade, with the assumption that all students have reviewed the work and contributed equally

See D2L "Content Page" entitled "Start Here" for greater detail regarding assessment in this course, expectations, and instructor details.

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.