



## COURSE OUTLINE

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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.

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### 1. Instructor Information

Instructor:	Sarah Cockburn
Office Hours:	Mon/Tues 1-3pm
Location:	Fisher 352
Phone:	250 370 3925
Email:	cockburns@camosun.bc.ca
Website:	<a href="http://online.camosun.ca/">http://online.camosun.ca/</a> (D2L entry site)

**IMPORTANT NOTE:** If my office hours do not match up with your schedule, this should not dissuade you from coming to see me! If you would like to meet to discuss anything pertaining to the course not during my scheduled office hours, simply arrange an appointment by e-mail and I will be very pleased to meet with you at a mutually convenient time. 😊

### 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. Materials

(a) **Required Material- Lab Manual:** Biology 124 Lab Manual (Fall 2017), Camosun College.

(b) **Recommended material -Textbook:** Campbell Biology, Canadian 2<sup>nd</sup> Edition. 2018. Biology., Pearson Education, Inc., San Francisco, CA.

\***Note:** Campbell Biology 1<sup>st</sup> Canadian Edition, Campbell Biology 10<sup>th</sup>, 9<sup>th</sup> and 8<sup>th</sup> US edition are also okay to use as a textbook

### 4. Course Content and Schedule

<b>Lectures:</b>	Monday (F200)	8:30 PM – 9:50 AM
	Wednesday (F200)	8:30 PM – 9:50 AM
<b>Lab Section A:</b>	Thursday (F244)	9:30 AM – 12:20 PM
<b>Lab Section B:</b>	Thursday (F244)	1:30 PM – 4:20 PM

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

Midterm I	15%
Midterm II	15%
Lab Exam I	12.5%
Lab Exam II	15%
Assignments/quizzes/participation	12.5%
Final Exam	30%

\*\*\* Lab exams will be unit exams. Lecture exams will be cumulative.

Midterm and final exams will consist of multiple choice and short answer questions. Lab exams are set up as a series of “stations” consisting of equipment, data and/or specimens, with accompanying questions testing both practical and theoretical knowledge.

### 6. Grading System

#### 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. <i>(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.)</i>
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 information

### Lab Safety

Students are not allowed to ingest food or drink in the lab. You may leave the lab at a convenient time if you are thirsty, need a snack or require medication. For safety reasons students are **required** to wear closed shoes. Flip flops and sandals are not acceptable.

### Laboratory Attendance

A 1% final grade penalty applies to any unexcused absence from lab. Lab assignments can only be handed in for labs actually attended. If a lab session is missed, another student's data **may not** be used to complete a lab assignment for credit. Exceptions can be made **at the instructor's discretion** in legitimate cases of emergency (e.g. illness); in such cases the instructor must receive **advance notification** and **documented evidence** of the situation (e.g. medical certificate) and grant approval for any accommodation. In cases when a lab is done over two weeks, missing one of the weeks without instructor approval will result in a 50% reduction in the grade for any assignment associated with that lab.

### Lecture Attendance

There may be some in class quizzes and other in-class activities for marks. If you know that there is a lecture that you will miss where an announced activity will take place, you must let me know ahead of time and have a legitimate reason to miss it (e.g. an emergency or an illness with documented evidence).

Lectures will be delivered in a PowerPoint format. PowerPoint slides will be made available on the Biology 124 D2L website.

### Missed Exams and Assessments

Quizzes and the exams must be written at the scheduled times. Under no circumstances will make-up exam be administered. However, it is understood that emergency circumstances occur (e.g. illness or emergency in the immediate family); for such circumstances accommodation may be offered at the discretion of the instructor, provided (a) the instructor is notified in advance of the exam (not after) and (b) the student provides documented evidence of the circumstance (i.e. medical certificate). The accommodation will be in the form of a make-up exam or adjusting the weighting of the final lecture exam to make up the missing marks, at the discretion of the instructor. **Please note: holidays or scheduled flights are not considered to be emergencies!**

### Late Penalties

Unless otherwise stated, all assignments are due at the **beginning** of the lab/class of the due date. There is a 10% /day late penalty (including weekend days). The format is expected to be professional, i.e. a neat, legible, clean copy. "Rough" drafts risk rejection and a subsequent late penalty. If the assignment is more than one page, separate pages **must be stapled** before you come to class

**Note:** There is the option of 1 free late assignment. There will be no penalty provided the assignment is received **prior** to it being marked and returned to the class. Any

assignment received after its return to the rest of the class will be marked but will not receive credit.

The schedule, which follows, is an attempt to outline the weekly activities of the class. It is subject to change or modification as the need arises.

<b>Wk</b>	<b>Dates</b>	<b>Lecture</b>	<b>Laboratory</b>
<b>1</b>	Sept. 4-8 <i>College closed: Sept.4</i>	Biological Diversity lecture Evolution – Darwinian	<i>Lab Introduction</i>
<b>2</b>	Sept. 11-15	Phylogeny Population Evolution	Lab Safety 1. Phylogeny and Classification App. II: Microscopes
<b>3</b>	Sept. 18-22	Species Evolution	2. <i>Biodiversity lab</i>
<b>4</b>	Sept.25-29	Prokaryotes	3. Bacteria
<b>5</b>	Oct. 2-6	<b><u>MID-TERM I</u></b> Protists	3. Bacteria <i>cont.</i> 4. Protists
<b>6</b>	Oct. 9-13 <i>College closed Oct 9,</i>	Protists	<i>TBA</i>
<b>7</b>	Oct. 16-20	Seedless Plants	<b><u>LAB EXAM I</u></b>
<b>8</b>	Oct. 23-27	Seed Plants	5. Seedless Plants
<b>9</b>	Oct 30- Nov. 3	Fungi	6. Seed Plants
<b>10</b>	Nov. 6-10	<b><u>MID-TERM II</u></b> Animal evolution	7. Fungi
<b>11</b>	Nov. 13-17 <i>College closed November 13</i>	Invertebrates	8. Invertebrates I
<b>12</b>	Nov. 20-24	Invertebrates	9. Invertebrates II
<b>13</b>	Nov.27-Dec.1	Vertebrates	10. Chordates

<b>14</b>	Dec. 4-8	Vertebrates	<b><u>LAB EXAM II</u></b>
	<b>Dec 11-19</b>	<b>Final Exam Period</b>	