



## 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:	Dr. David Blundon		
(b)	Office Hours:	See below		
(c)	Location:	See below		
(d)	Phone:	250 370-3984	Alternative Phone:	
(e)	Email:	blundond@camosun.bc.ca		
(f)	Website:			

	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
9:30-10:20		Biol 228 001A F244	ENVR 246 X01 Dental Bldg 014			
10:30-11:20						
11:30-12:20	Office Hour			Office Hour	Office Hour	
12:30-1:20	Biol 228 Y216		Biol 228 Y310		Biol 228 Y310	
1:30-2:20	Office Hour	Biol 228 001B F244		ENVR 246 X01 F244	Office Hour	
2:30-3:20						
3:30-4:20						
4:30-5:20						

### 2. Intended Learning Outcomes

Upon completion of this course the student will be able to:

1. Define Ecology and employ the scientific method by applying appropriate sampling techniques and data analyses to appraise suitable ecological questions.

2. Differentiate between autecology, population, community and ecosystem. Explain and criticize key concepts and models appropriate to these levels of inquiry.
3. Integrate and synthesize ecological concepts predicting organism abundance and distribution, recommending strategies for management and conservation and evaluating the long-term stability of ecological systems.

### 3. Required Materials

Textbook (required): Ecology: A Canadian Context by Freedman *et al*, 1<sup>st</sup> edition 2011, Nelson Education Ltd.

Also available as an eTextbook at: [http://www.coursesmart.com/IR/1736867/9780176501143?\\_hdv=6.8](http://www.coursesmart.com/IR/1736867/9780176501143?_hdv=6.8)

### 4. Course Content and Schedule

Weeks	Dates	Lecture Topics	Lab Topics
1	September 3 - 6	Introduction	Set up Lemna Population Lab Statistical Analysis Exercise
2	September 9 - 13	Environmental Factors	Lemna (first count) Esquimalt Lagoon Field Study (Transect Sampling)
3	September 16 - 20	Energetics	Lemna (second count) Island View Park Field Trip Discuss Statistical Analysis
4	September 23 - 27	Nutrient Cycling	Lemna (third count) Rithets Bog Field Trip Assignment I: Statistical Analysis due
5	September 30 - October 4	Populations	Lemna (forth count) Island View Park Field Trip
6	October 7 - 11	Behavioural	Lemna (fifth count) Niche Overlap Lab
7	October 14 (Thanksgiving Day) October 15 - 18	College Closed Physiological	Lemna (sixth count) Set-up Germination Experiment Discuss Niche Overlap Lab
8	October 21 - 25	Life Histories	Lemna (seventh count) Lecture Midterm (D2L) Germination Expt (first count)
9	October 30 - November 1	Communities	Lemna (eighth count) Germination Expt (final count) Assignment II: Niche overlap due
10	November 4- 8	Communities	Lemna (ninth count) Haro Woods Field Study Discuss Germination Lab
11	November 11 (Remembrance Day) November 12- 15	College Closed Disturbance	Mark-Recapture Lab Discuss Haro Woods Field Study Assignment III: Lemna due

12	November 18 – 22	Disturbance	Discuss Mark-recapture Lab Assign IV R-Statistics Lab Assignment IV: Haro Woods due
13	November 25 – 29	Succession	R-Statistics Lab Assignment V: Mark-recapture due
14	December 2 - 6	Biomes	Assignment VI: Germination due REVIEW
15	December 9 - 17	Final Lecture Exam (D2L) – posted in October	

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

<i>Evaluation</i>	
<i>CONTENT</i>	<i>PERCENT</i>
Quizzes	10%
Lecture Midterm	20%
Lecture Final	30%
Lab Assignments	40%

All testing will be in D2L and consist of multiple choice and single word(s) answers. Quizzes will occur throughout the term and be done on your own computer. They will provide an opportunity to become familiar with the D2L style of testing.

The midterm and final exams will be in Ewing computer lab rooms.

Lab attendance is compulsory – ten percent (10%) will be deducted from your final grade for each lab missed. Medical circumstances are exempt.

Plagiarism is unacceptable – all involved will receive a zero.

In the lab portion of the course you will be working in pairs so you are encouraged to work collaboratively. You and your lab partner will hand in assignments that must be uploaded in D2L.

Make arrangements so that there are no conflicts with the scheduled tests time of the midterm and final exams.

#### 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