

	<p><b>School of Arts &amp; Science</b>  <b>BIOLOGY DEPARTMENT</b></p> <p><b>BIOL 228-001A/B</b>  <b>Ecology</b>  <b>2008F</b></p>
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## COURSE OUTLINE

The Approved Course Description is available on the web @ \_\_\_\_\_

⚡ Please note: this outline will be electronically stored for five (5) years only.  
It is strongly recommended students keep this outline for your records.

### 1. Instructor Information

(a)	Instructor:	<b>Dr. DAVID BLUNDON</b>	
(b)	Office Hours:	10:30 – 11:20 AM Monday, Wednesday and Thursday 1:30 – 2:20 PM Wednesday and Friday	
(c)	Location:	Y-304	
(d)	Phone:	250-370-3984	Alternative Phone:
(e)	Email:	<a href="mailto:blundond@camosun.bc.ca">blundond@camosun.bc.ca</a>	
(f)	Website:	D2L	

### 2. Intended Learning Outcomes

*(No changes are to be made to this section, unless the Approved Course Description has been forwarded through EDCO for approval.)*

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

- (a) **First Ecology: Ecological Principles and Environmental Issues by Alan Beeby and Anne-Maria Brennan, 3<sup>rd</sup> edition 2008, Oxford University Press.**
- (b) Laboratory Manual (available on D2L)

#### 4. Course Content and Schedule

Week	Date	Lecture Topic	Lab/Data
1	Sept. 2 - 5	Introduction Origins	Lab 1: Statistical Analysis
2	Sept. 8 - 12	Origins	Lab 2: Ordered Distance Sampling (Haro Woods)
3	Sept. 15 - 19	Species	Sample ELSI transects Set up <i>Lemna</i> Lab (Lab 4) Ordered Distance Sampling (discuss) <b>Assignment I: Statistical Analysis due</b>
4	Sept. 22 - 26	Populations	Sample ELSI transects <i>Lemna</i> count (first count) <b>Assignment II: Ordered Distance Sampling due</b>
5	Sept. 29 – Oct. 3	Populations	Data Entry ELSI transects <i>Lemna</i> count (second count)
6	Oct. 6 - 10	Interactions	Set-up Germination Experiment (Lab 3) <i>Lemna</i> count (third count)
7	Oct. 13 Oct. 14 - 17	College Closed Interactions	Germination Expt (first count) <i>Lemna</i> count (fourth count) Lab 4: Mark-recapture Lab
8	Oct. 20 - 24	Communities <b>Lecture Midterm</b>	Germination Expt (final count) <i>Lemna</i> count (fifth count) Mark-recapture Lab (discuss) Germination count (discuss)
9	Oct. 27 – 31	Communities	<b>Assignment III: Germination Experiment due</b> <i>Lemna</i> count (sixth count) <i>Lemna</i> (discuss) <b>3 Presentations</b>
10	Nov. 3 - 7	Systems	<i>Lemna</i> count (seventh count) Lab 5: Niche Overlap Lab <b>Assignment IV: Mark-recapture due</b>
11	Nov. 10 Nov. 11 Nov. 12 - 14	Systems College Closed	<i>Lemna</i> count (eighth count)
12	Nov. 17 - 21	Balances	<i>Lemna</i> count (final count) <i>Lemna</i> count (discuss) <b>Assignment IV: Niche overlap due</b> <b>3 Presentations</b>
13	Nov. 24 - 28	Scales	Lab Exam (discuss) <b>Assignment VI: <i>Lemna</i> due</b> <b>3 Presentations</b>
14	Dec. 1 - 5	Checks	<b>Lab Exam</b>
	Dec 8 - 16	Final Lecture Exam – posted in October	

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

- (a) Assignments I to VI (35%)
- (b) Lecture Midterm (15%) and Final Exam (30%); Lab Exam (10%)
- (d) Oral Presentation (10%)

## 6. Grading System

(No changes are to be made to this section, unless the Approved Course Description has been forwarded through EDCO 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 on the College web site in the Policy Section.

[ADDITIONAL COMMENTS AS APPROPRIATE OR AS REQUIRED](#)