CAMOSUN COLLEGE	**School of Arts & Science** **BIOLOGY DEPARTMENT** **BIOL 228** **Ecology** **Quarter or Semester/Year F2016**

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:	Tuesday 1:30 - 2:20 PM and 4:30 - 5:30 PM, Thursday 1:30 - 2:30 PM and Friday 9:30 – 11:00 AM.		
(c)	Location:	F246		
(d)	Phone:	250 370-3984	Alternative Phone:	
(e)	Email:	blundond@camosun.bc.ca		
(f)	Website:			

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: Evolution, Application, Integration by David T. Krohne, 1st edition 2016, Oxford University Press.

4. Course Content and Schedule

Weeks	Dates	Lecture Topics	Lab Topics
1	Sept. 6 - 9	Introduction Coburg Peninsula	Basic Statistics Setup *Lemna* Lab
2	Sept. 12 - 16	Adaptation and Environment	Lemna Count Esquimalt Lagoon Field Study (Transect Sampling)
3	Sept. 19 – 23	Terrestrial Communities	Lemna Count Niche Lab and Stats Due
4	Sept. 26 – Sept. 30	Freshwater and Marine Communities	Lemna Count Rithet's Bog Field Trip
5	Oct. 3 - 7	Behavioral Ecology	Lemna Count Haro Woods Field Study and Niche Due
6	Oct. 10 Oct. 11 – 14	College Closed Demography	*Lemna* Count Island View Park Field Trip I

7	Oct. 17 – 21	Population Regulation	*Lemna* Count Mark Recapture Lab and Haro Woods Due
8	Oct. 24 – 28	Lecture Midterm (25th) Competition	*Lemna* Count Setup Germination Lab
9	Oct. 31 - Nov. 4	Succession	Germination Count *Lemna* Count and Mark Recapture Due
10	Nov. 7 -10 Nov. 11	Species Diversity College Closed	*Lemna* and Germination Counts and *Lemna* Due
11	November 14 –18	Trophic Structure	Island View Field Trip II
12	November 21 – 25	Biogeochemical Cycles	Elk Lake Field Trip and Germination Due
13	Nov. 28 – Dec. 2	Applied Ecology	Review
14	Dec. 5 – 9	Conservation	Lab Exam (F244)
15	Dec. 12 - 20	Final Lecture Exam – posted mid-October. (please don't book travel plans before this date)	

5. Basis of Student Assessment (Weighting)

Evaluation

CONTENT	*PERCENT*
Quizzes	10%
Lecture Midterm	20%
Lecture Final	30%
Lab Assignments	30%
Lab Exam	10%

All lecture testing will consist of multiple choice and short and long answer questions. Quizzes' are based on lecture content and textbook chapters. Quizzes (multiple choice and single or short answers) will occur throughout the term and will be in D2L.

Lab attendance is compulsory – ten percent (10%) will be deducted from your final lab 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 separate assignments on paper (typed). The lab exam will be in F244.
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** for information on conversion to final grades, and for additional information on student record and transcript notations.

Temporary Grade	Description
I	*Incomplete*: 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	*In progress*: 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 3rd course attempt or at the point of course completion.)*
CW	*Compulsory Withdrawal:* 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.

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.