

CAMOSUN COLLEGE
School of Arts & Science
BIOL 228 Ecology
Winter 2004 – Section 001

Instructor: Rosemary Mason
Office: Richmond House 303
Office phone: 370-3301
E-mail: masonr@camosun.bc.ca
Class Web Site: <http://www.camosun.bc.ca/~masonr>
Office hours: T.B.A.

Lectures:			
Sec. 001	M, Tu, Fri	1:30-2:20	
Labs:			
Sec. 001A	W	9:30-12:20	F-222
Sec. 001B	Th	9:30-12:20	F-222

Prerequisites **Biology 124**

Weekly Schedule: 3 hours of lecture and 3 hours of lab. The student should expect to spend an additional **6** hours per week outside of scheduled class time for completion of assignments and for general studying.

Text: Stiling, Peter 2002, Ecology - Theories and Applications, Prentice Hall Publishing, New Jersey.

Biology Department Faculty Members. 2003. Biology 228 - Ecology Laboratory Manual, Camosun College, Victoria, B.C.

Evaluation:	Lecture Midterm	Feb. 23	15%
	Lecture Final	as scheduled	30%
	Oral Presentations	as scheduled	12%
	Abstract	as scheduled	8%
	Lab Exam	April 7/8	15%
	Prelabs & Lab Assignments		20%

Letter Grades: The approximate percentages for each lettergrade are as follows:

A+	95-100%	A	90-94%	A-	85-89%
B+	80-84%	B	75-79%	B-	70-74%
C+	65-69%	C	60-64%	D	50-59%
F	<50%				

ADDITIONAL INFORMATION

1. Be sure that you are familiar with the General Department Policies, which are stated in the lab manual. These policies cover absenteeism, late assignments (but see below), attendance, exam scheduling, plagiarism as well as other topics and will be discussed during the first lab meeting.
2. Each student is required to sign a Laboratory Safety Contract and give it to the instructor prior to commencing laboratory work in the course.
3. No programmable devices are allowed in exams.
4. Assignments are due at the **beginning** of the class period on the due date. Assignments not handed in at the beginning of class will be considered late, for which there is a 15% penalty/day.
5. **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.
6. You should plan on a minimum of 6 hours outside of scheduled class time for the completion of assignments and for general studying.

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, Registrar's Office or the College web site at <http://www.camosun.bc.ca>

ACADEMIC CONDUCT POLICY

There is an Academic Conduct Policy. It is the student's responsibility to become familiar with the content of this policy. The policy is available in each School Administration Office, Registration, and on the College web site in the Policy Section.
www.camosun.bc.ca/divisions/pres/policy/2-education/2-5.html

**COURSE SCHEDULE - BIOLOGY 228
WINTER 2003**

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.

Week	Date	Chap	Lecture Topic	Lab/Data
1	Jan. 5 -9	1	Introduction to Ecology	Start Lab. 1 - Intro to statistics Set-up Lab. 2, 5, 7
2	Jan. 12 - 16	2 3	Genetics & Ecology Extinction	Lab. 1 - completed Lab. 2 count germinants Lab. 5 count <i>Lemna</i> AV presentation - in computer lab
3	Jan. 19 – 23	4 5	Group/Individual Selection, Life History Strategies	Complete Lab. 2 - Lab. 5 count <i>Lemna</i> 2 group talks
4	Jan 26 - 30	6	Population Growth	Lab. 3 mark/recapture Lab. 5 count <i>Lemna</i> 2 group talks
5	Feb. 2 - 6	6 7	Population Growth Physical Environment	Lab. 4 - <i>Artemia</i> Experiment Lab. 5 count <i>Lemna</i> 2 group talks
6	Feb. 9 - 11	8	Competition & Coexistence LECTURE MIDTERM	Lab. 5 count <i>Lemna</i> NO LABS
Feb. 12 – 13 Reading Break				
7	Feb. 16 - 20	8 9	Competition & Coexistence Mutualism	Lab. 7 Population Regulation Lab. 5 count <i>Lemna</i> 3 individual talks
8	Feb. 23 - 27	10 11 12	Predation Herbivory Parasitism	Lab. 5 Complete <i>Lemna</i> 3 individual talks
9	Mar. 1 - 5	13	Controls on Population size	Lab. 6 Niche Overlap 3 individual talks
10	Mar. 8 - 12	15 16	Species richness Species diversity	Lab. 10 Sampling, Density 3 individual talks
11	Mar. 15 - 19	17	Stability, Equilibrium & Nonequilibrium	Lab. 8 Line Intercept
12	Mar. 22 - 26	18	Succession	Lab. 9 Mystic Vale
13	Mar. 29 – Apr. 4	19 20	Island Biogeography Trophic Structure	Lab. 9 Mystic Vale Remaining talks
14	Apr. 5 – 8	21	Energy Flow	Lab Exam
	Apr. 13 - 17, 19 - 21		Exam Period	