



CAMOSUN COLLEGE
School of Arts & Science
Department of Environmental Technology

ENVR-246-001
Plant Diversity & Ecology
Fall 2018

COURSE OUTLINE

The course description is online @ <http://camosun.ca/learn/calendar/current/web/envr.html>

Ω Please note: This outline will not be kept indefinitely. It is recommended students keep this outline for their records, especially to assist in transfer credit to post-secondary institutions.

1. Instructor Information

(a) Instructor	Dr. David Blundon		
(b) Office hours	Tuesday 10:00 am – 12:00 pm, Friday 1:30 pm – 3:30 pm		
(c) Location	F246		
(d) Phone	250-370-3984	Alternative:	
(e) E-mail	blundond@camosun.bc.ca		
(f) Website	D2L		

2. Intended Learning Outcomes

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

1. Use standard biological lab equipment, especially microscopes.
2. Use logic, critical thinking, and the scientific method in combination with biological terminology pertinent to Plants, Algae and Fungi to evaluate and assess the current status of BC plant ecosystems.
3. Use biological identification keys for selected groups of algae, fungi, non-vascular and vascular plants of B.C.
4. Prepare herbarium specimens.
5. Preserve and/or culture various selected algae, fungi (sterile technique) and non-vascular plants.
6. On sight, identify most native non-vascular and vascular plants to Division and class and some to Order, Genus or Species.
7. Describe biodiversity issues, including rare and endangered species, introduced species, overharvesting impacts and effects of habitat loss.
8. Sample terrestrial and aquatic habitats for algae, fungi, non-vascular and vascular plants and understand the basic methods of habitat restoration.
9. Discuss the importance and impact of policy and legislation on ecosystem management issues.

3. Required Materials

(a) Texts

Pojar, J. and A. MacKinnon (1994). Plants of Coastal British Columbia. Lone Pine Publ., Van., BC.

Bring your Pojar to each and every lab and field trip

(b) Other

MacDougall Paper (see D2L)

4. Course Content and Schedule

- Lectures: Moss, Lichen, Grasses, Ecological Restoration and Invasion Ecology
- Labs: Identification of Vascular and Non-Vascular Plants, Vascular and Non-Vascular Plant Taxonomy
- Field Trips (TBA): Royal Roads (Colwood: Hatley Park National Heritage Site), Island View Beach Regional Park (Central Saanich Municipal and CRD Parks, Tsawout First Nations), Rithets Bog (Saanich Municipal Park), Centennial park (Central Saanich Municipal Park), Beacon Hill Park (City of Victoria), and Maple Bay (Nature Conservancy of Canada, Private Property)

5. Basis of Student Assessment (Weighting)

Lab Assignment (herbs*) – 25%	Due Friday, October 19/ Week 7
Lecture Exam/Lab Exam 1 – 15%	On Friday, October 26/ Week 8 : 4 hours (F244)
Lab Assignment (cryptograms*) – 25%	Due Friday, November 30/ Week 13
Lecture Exam/Lab Exam II – 10%	On Friday, December 7/ Week 14: 4 hours (F244)

*Herbs: Ten herbarium specimens, five each of forbs and graminoids (grasses, sedges, rushes).

*Cryptograms: Ten herbarium specimens, five each of mosses and lichens.

NOTE: Lecture/Lab Exams are not cumulative.

ABSENCES:

- You are responsible for all information (including exam dates and changes in course content or emphasis) covered in class. Do not arrange a conflict with any exam times.
- If you miss an exam you will receive a grade of zero for that exam unless you provide a note a MD.

LECTURE AND LABORATORY INFORMATION:

- Make-up lectures and labs are not offered. If you are unable to attend your regularly scheduled lecture or lab due to illness contact the instructor. Lecture and Lab attendance is compulsory. You will lose 5% of your lecture mark for each lecture missed. You will lose 10% of your mark for each lab period missed.
- You are expected to attend the entire lab from 8:30 to 12:20. Make arrangements for this so that there are no conflicts.

6. Grading System

Standard Grading System (GPA)

Competency Based Grading System

7. Recommended Materials to Assist Students to Succeed Throughout the Course

Lockwood, J.L., M.F. Hoopes and M.P. Marchetti (2007). *Invasion Ecology*. Blachwell Publ. Oxford, UK.

8. College Supports, Services and Policies



Immediate, Urgent, or Emergency Support

If you or someone you know requires immediate, urgent, or emergency support (e.g. illness, injury, thoughts of suicide, sexual assault, etc.), **SEEK HELP**. Resource contacts @ <http://camosun.ca/about/mental-health/emergency.html> or <http://camosun.ca/services/sexual-violence/get-support.html#urgent>

College Services

Camosun offers a variety of health and academic support services, including counselling, dental, disability resource centre, help centre, learning skills, sexual violence support & education, library, and writing centre. For more information on each of these services, visit the **STUDENT SERVICES** link on the College website at <http://camosun.ca/>

College Policies

Camosun strives to provide clear, transparent, and easily accessible policies that exemplify the college's commitment to life-changing learning. It is the student's responsibility to become familiar with the content of College policies. Policies are available on the College website at <http://camosun.ca/about/policies/>. Education and academic policies include, but are not limited to, Academic Progress, Admission, Course Withdrawals, Standards for Awarding Credentials, Involuntary Health and Safety Leave of Absence, Prior Learning Assessment, Medical/Compassionate Withdrawal, Sexual Violence and Misconduct, Student Ancillary Fees, Student Appeals, Student Conduct, and Student Penalties and Fines.

A. GRADING SYSTEMS <http://camosun.ca/about/policies/index.html>

The following two grading systems are used at Camosun College:

1. 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		1
0-49	F	Minimum level has not been achieved.	0

2. Competency Based Grading System (Non GPA)

This grading system is based on satisfactory acquisition of defined skills or successful completion of the course learning outcomes

Grade	Description
COM	The student has met the goals, criteria, or competencies established for this course, practicum or field placement.

DST	The student has met and exceeded, above and beyond expectation, the goals, criteria, or competencies established for this course, practicum or field placement.
NC	The student has not met the goals, criteria or competencies established for this course, practicum or field placement.

B. 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 at <http://camosun.ca/about/policies/index.html> 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 are designed to have an anticipated enrollment that extends beyond one term. No more than two IP grades will be assigned for the same course.
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.