



COURSE OUTLINE

The course description is online @ <http://camosun.ca/learn/calendar/current/web/envr.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: | Monday, Tuesday, Wednesday and Thursday 1:30-2:20 PM; Tuesday 3:30-4:20. | | |
| (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. 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 affects 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

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

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).

| | MONDAY | TUESDAY | WEDNESDAY | THURSDAY | FRIDAY | SATURDAY |
|-------------|-------------------------|--------------------------------|--------------------------------|---------------------------------|---------------------------------|----------|
| 8:30-9:20 | | | ENVR 246 001 Lab F244 | | | |
| 9:30-10:20 | | | | | BIOL 228 001B Lab F244 | |
| 10:30-11:20 | | ENVR 246 001 Lec Y220 | | | | |
| 11:30-12:20 | | | | | | |
| 12:30-1:20 | | | | | | |
| 1:30-2:20 | Office Hour F246 | Office Hour F246 | Office Hour F246 | Office Hour F246 | BIOL 228 001A Lab F244 | |
| 2:30-3:20 | BIOL 228 Lec Y310 | BIOL 228 Lec Y310 | BIOL 228 Lec Y310 | BIOL 228 001C Lab F244 | | |
| 3:30-4:20 | | Office Hour F246 | | | | |
| 4:30-5:20 | | | | | | |
| 5:30-6:20 | | | | | | |
| 6:30-7:20 | | | | | | |
| 7:30-8:20 | | | | | | |
| 8:30-9:20 | | | | | | |

5. Basis of Student Assessment (Weighting)

(a) Lecture/Lab Exams - 60%

Lecture Exam I - 20%

Lab Exam - 15%

Lecture Exam II - 25%

Week 7: Tuesday October 14: 2 hours

Week 14: Wednesday December 3: 4 hours

Week 15: Exam Period (Dec. 8 - 16): 3 hours

(b) Quizzes: none

(c) Assignments - 40% (total of 20 herbarium specimens)

Five each of forbs and graminoids (grasses, sedges, rushes: Due week 10 Wednesday Lab (Nov. 5)

Five each of mosses and lichens: Due week 14, Wednesday Lab (Dec. 3)

(d) Other (e.g., Attendance, Project, Group Work): None

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 | <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 rd 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.

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