

**CAMOSUN COLLEGE**  
**ENVR 246: PLANT BIODIVERSITY and ECOLOGY**  
**Course Information – Winter 2011**

**INSTRUCTOR:** Dr. DAVID BLUNDON  
**OFFICE:** F-352  
**EMAIL:** **D2L email only**  
 (do not use my @camosun email ever)



**OFFICE HOURS:** see schedule  
*For an appointment or to leave a message email D2L.*

**LECTURE / LABORATORY:** see schedule

**PREREQUISITE:** BIOL 228, ENVR 211

**COURSE TEXT (required):**

- Ecology: A Canadian Context by Freedman *et al*, 1<sup>st</sup> edition 2011, Nelson Education Ltd.
- Pojar, J. and A. MacKinnon. 1994. Plants of Coastal British Columbia. Lone Pine Publ., Van., BC.

**Bring your Pojar to each and every lecture, lab and field trip.**

- Additional text will be supplied

**ABSENCES:**

- If you should miss a class, you should arrange to borrow notes from another student.
- You are responsible for all information (including exam dates and changes in course content or emphasis) covered in class.
- If you miss an exam you will receive a grade of zero for that exam unless you provide a note from your MD.
- **Herbarium collections dates are posted – late submissions will not be accepted.**

**LABORATORY INFORMATION:**

- *Make-up labs are not offered. If you are unable to attend your regularly scheduled lab due to illness, contact the instructor.*
- **Lab attendance is compulsory. You will lose 10% of your final mark for each lab missed.**

**MARK DISTRIBUTION:**

Lecture/Lab Exams - 60%

- Lecture Exam I - 15%                      Week 8: Wenesday March 2: 2 hours
- Lecture Exam II - 15%                    Week 15: Exam Week: 2 hours
- Lab Exam I- 30%                            Week 14: Thursday, December 9: 4 hours

Assignments - 40%: total of 20 herbarium specimens

- Five each of mosses and lichens: Due week 6: Thursday, February 17
- Five each of vascular plants: dicots and grasses: Due week 13, April 7

Letter Grades:	A+	90-100%	A	85-89%	A-	80-84%
	B+	77-79%	B	73-76%	B-	70-72%
	C+	65-69%	C	60-64%	D	50-59%
	F	<50%				

**COURSE CONTENT:**

- Lectures from the textbook Ecology: Chapters 9 (Community Ecology), 10 (Succession and Disturbance), 11 (Biomes and Ecozones), 12 (Biodiversity), 13 (Landscape Ecology), 14 (Conservation Ecology), 15, Resource Ecology), 16 (Paleoecology) and 17 (Ecology and Society)
- Moss, Lichen, Grass, Sedge and Ecological Restoration lectures
- Identification of Vascular and Non-Vascular Plants
- Vascular and Non-Vascular Plant Taxonomy
- Field Trips (TBA):, Christmas Hill (Saanich), Uplands Park (Oak Bay), Centennial Park (Central Saanich), The Land Conservancy (Sooke Potholes), Government House (Fernwood) and Nature Conservancy Of Canada (Maple Bay)

Weeks	Dates	Lecture Period	Lab Period
1	January 10 - 14	Mosses	Royal Roads (collect mosses and lichens) Demonstrate how to create a herbarium collection of nonvascular and vascular plants.
2	January 17 - 21	Mosses	Nonvascular Plant Identification (Mosses)
3	January 24 - 28	Lichens	Nonvascular Plant Identification (Lichens)
4	January 31 – February 4	Grasses and Sedges	Vascular Plant Identification (Grasses)
5	February 7 - 11		Vascular Plant Identification (Sedges)
6	February 14 - 18	Restoration	Vascular Plant Identification (Dicots) [Moss and lichen collection due]
7	February 21 - 25	Resoration	Reading Break (No lab)
8	February 28 – March 4	<b>Lecture Midterm</b>	Centennial Park (Central Saanich)
9	March 7 - 11	Community Ecology	Uplands Park (Oak Bay)
10	March 14 - 18	Succession and Disturbance	<del>Christmas Hill (Saanich)</del> IT Fund
11	March 21 - 25	Biomes and Ecozones	Rithets Bog
12	March 28 – April 1	Biodiversity	<del>TLC (Sooke Potholes)</del> (beckwith)
13	April 4 - 8	Landscapes	NCC (Maple Bay) [Grass and dicot collection due]
14	April 11 - 15	Conservation Ecology	<b>Lab Exam</b> (moss, lichen grass and dicot identification)
15	April 18 - 21	<b>Final Lecture Exam</b> – posted in February	

NAME: **Dr. David Blundon**

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Phone: 3984

Term: Winter 2011

	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY
8:30-9:20					
9:30-10:20		ENVR 229 X01B Lab E112			
10:30-11:20			ENVR 246 X01 Lec F244		
11:30-12:20	OFFICE HOUR				
12:30-1:20	OFFICE HOUR	OFFICE HOUR			
1:30-2:20	OFFICE HOUR		ENVR 229 X01B Lec E346	ENVR 246 X01 Lab F244	
2:30-3:20	OFFICE HOUR	ENVR 229 X01A Lab E100			
3:30-4:20					
4:30-5:20					
5:30-6:20					
6:30-7:20					
7:30-8:20					
8:30-9:20					