



School of Arts & Science
ENVIRONMENTAL TECHNOLOGY DEPARTMENT

ENVR 226 - 001
BC Biodiversity 3
Fall 2007

COURSE OUTLINE

The Approved Course Description is available on the web @ _____

Ω Please note: this outline will be electronically stored for five (5) years only.
It is strongly recommended students keep this outline for your records.

1. Instructor Information

(a)	Instructor:	Steve Gormican and David Blundon		
(b)	Office Hours:	TBA – posted on office doors		
(c)	Location:	F-314A and F-252B		
(d)	Phone:	370-3423 -3465	Alternative Phone:	370-3298
(e)	Email:	gormicans@camosun.bc.ca blundon@camosun.bc.ca		
(f)	Website:	www.camosun.bc.ca		

2. Intended Learning Outcomes

(No changes are to be made to this section, unless the Approved Course Description has been forwarded through EDCO for approval.)

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 Vertebrates and Vascular Plants found in B.C.
3. Use biological identification keys for selected groups of B.C. Vertebrates and Vascular Plants.
4. Sample terrestrial and aquatic habitats for Vertebrates and Vascular Plants and understand basic methods of habitat restoration.
5. Describe biodiversity issues including rare and endangered species, introduced species, over-harvesting impacts and affects of habitat loss.

3. Required Materials

(a)	Texts	<ul style="list-style-type: none">- Agrostology by David Blundon and MOF, 2005- Ground Work: Basic Concepts of Ecological Restoration in British Columbia by Don Gayton, 2001. [http://www.forrex.org/publications/FORREXSeries/ss3.pdf]
(b)	Other	Pojar, J. and A. MacKinnon. 1994. Plant of Coastal British Columbia. Lone Pine Publ., Vancouver, BC.

ADDITIONAL REFERENCE MATERIAL SUPPLIED:

- Douglas, G., G. Straley and D. Meidinger. 1994. The Vascular Plant of British Columbia. Part 4. - Monocotyledons Ministry of Forests. BC. and Vol. 7 (Illustrated)
- Columbia. Southern Interior Forest Extension and Research Partnership, Kamloops, B.C. SIFERP Series 3.
- Species Ranking in British Columbia. B.C. Ministry of Sustainable Resource Management.
- Harrington, H. 1999. How to Identify Grasses & Grasslike Plants. Ohio Univ. Press.
- Gayton, D. (2004) Native and non-native plant species in grazed grasslands of British Columbia's southern interior. BC Journal of Ecosystems and Management 5(1): 51-59
[<http://www.forrex.org/jem/2004/vol5/no1/art6.pdf>]

4. Course Content and Schedule

- 📖 Principles of Restoration
- 📖 Restoration of grasslands, Garry oak and wetlands
- 📖 Ecology of grasslands, Garry oak and wetlands
- 📖 Identification of Grasses
- 📖 Salmon habitat requirements
- 📖 Devise a dichotomous key for marine fish
- 📖 Discussion and investigation of Environmental Legislation pertaining to a variety of habitat and disturbances
- 📖 Research into endangered species regulations and policy
- 📖 Application of SARA and COSEWIC to specific situations and case studies
- 📖 Discussion of current pollution issues in aquatic and terrestrial environments
- 📖 Field Trips: Cowichan Garry Oak Preserve and Christmas Hill
- 📖 Field Trips (tentative): Uplands Park and Rithet's Bog
- 📖 Field Trip: curatorial tour of Ichthyology and Ornithology collections at Royal BC Museum
- 📖 Field Trip: Goldstream Provincial Park

5. Basis of Student Assessment (Weighting)

(Should be linked directly to learning outcomes.)

(a)	Assignments	50%
(b)	Quizzes	
(c)	Exams	50%
(d)	Other (eg, Attendance, Project, Group Work)	

6. Grading System

(No changes are to be made to this section, unless the Approved Course Description has been forwarded through EDCO 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. <i>(For these courses a final grade will be assigned to either the 3^d course attempt or at the point of course completion.)</i>
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 on the College web site in the Policy Section.

ADDITIONAL COMMENTS AS APPROPRIATE OR AS REQUIRED