



COURSE OUTLINE

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

⚡ 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:	Catherine Griffiths		
(b)	Office Hours:	Mon. and Wed. 9:30 – 10:20		
(c)	Location:	Fisher 308B		
(d)	Phone:	250-370-3318	Alternative Phone:	
(e)	Email:	Griffiths@camosun.bc.ca		
(f)	Website:	ENVR 222 on D2L		

2. Intended Learning Outcomes

(No changes are to be made to these Intended Learning Outcomes as approved by the Education Council of Camosun College.)

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

1. Demonstrate an understanding of key concepts in environmental management, including the preventive approach, industrial ecology, demand management, and environmental policy.
2. Demonstrate an ability to use specific techniques and tools in environmental management, including environmental reports and environmental indicators, cost benefit analysis, environmental auditing and environmental management systems, and GIS.

3. Required Materials

- (a) Texts: There is no text for this course
- (b) Other: All readings are available online. See course website for materials and links.

4. Course Content and Schedule

(This section can include: class hours, lab hours, out of class requirements and/or dates for quizzes, exams, lectures, labs, seminars, practicums, etc.)

CONTENT:

The course introduces the theory and practice of environmental management at the urban and regional scale. A preventive approach is explored and applied to industrial and urban systems. Specific techniques and tools are examined including full cost accounting and cost-benefit analysis, carbon footprint measurement, environmental auditing, environmental management systems and stakeholder engagement.

APPROACH:

This is an applied, participatory course; the emphasis is on the *application* of theory to practice in the field of environmental management. Guest speakers - consultants and government officials – are invited to discuss current practice. Several case studies and site visits within the local urban region are introduced to allow the student to critically examine local issues and policy.

An emphasis is placed on project work carried out in small groups.

INTERNET ACCESS

Course material is found online at the Camosun D2L site <http://online.camosun.ca/>.

All assignments will be submitted on-line.

Week	Date	Day	Topic	Reading	Comments
1	Jan_10	Mon	Course and Class Introductions	<i>Urban Density and Ecological Footprints</i>	<i>Project #1 assigned: Footprints</i>
	Jan_12	Wed	Overview of Environmental Policy and Planning	<i>Environmental Challenge and Change</i>	
2	Jan_17	Mon	Discussion: Project #1 Results		<i>Project # 2 assigned: Low Impact Development</i>
	Jan_19	Wed	Key Principles of Environmental Management	Barrow, C.J., 1999, <i>Introduction</i>	
3	Jan_24	Mon	Tour of Low Impact Development Site		
	Jan_26	Wed	Low Impact Development	UBC, <u>Sustainable urban landscapes, setting the context:</u>	<i>Guest Speaker: Wendy Macdonald; Project 1: Written Report Due</i>
4	Jan_31	Mon	Tour of University of Victoria Campus		
	Feb_2	Wed	Science, Policy and Environmental Management	UBC, <u>Sustainable urban landscapes,</u>	
5	Feb_7	Mon	Project #2 Group Presentations		<i>Assign Project #3: EMS at Camosun</i>
	Feb_9	Wed	Environmental Management Systems	<i>ISO 14001 - guidance for use and Environmental Management Systems</i>	Project #2: PowerPoint presentation due
6	Feb_14	Mon	Project #3: EMS at Camosun		
	Feb_16	Wed	Environmental Management Systems – the Municipal Sector	<i>A Natural Step Case Study: Canmore, Alberta</i>	<i>Guest Speaker: Mark Boysen</i>
7	Feb_21	Mon	Project 3: EMS at Camosun College		
	Feb_23	Wed	Environmental Management Systems – the Federal Government		<i>Guest Speaker: Daryl Lawes</i>
8	Feb_28	Mon	Project 3: Presentation of Results		<i>Assign Project #4: Transportation Issue Comparative Analysis</i>
	Mar_2	Wed	Making Environmental Management Work	Barrow, C.J., 1999, <i>Participants in Environmental Management</i>	

9	Mar_7	Mon	Project 4: Transportation Issue Comparative Analysis		
	Mar_9	Wed	Environmental Management – Municipal Sector		<i>Invited Guest Speaker: CRD Liquid Waste Management Department; Project #3 is due</i>
10	Mar_14	Mon	Project 4: Transportation Issue Comparative Analysis		<i>Assign Project #5: 360^o Review and Analysis</i>
	Mar_16	Wed	Transportation Policy	<i>Evaluating Transportation Land Use Impacts; New Lessons from the Old World; Pedal Power</i>	<i>Guest speaker: Todd Litman</i>
11	Mar_21	Mon	Project 4: Transportation Issue Comparative Analysis		
	Mar_23	Wed	The Role of Community	<i>Inertia and Resistance on the Path to Healthy Communities</i>	
12	Mar_28	Mon	Project #5: 360 ^o Review and Analysis of an Environmental Issue		Project #4 presentation is due
	Mar_30	Wed	Corporate Environmental Reporting	<i>Making a Profit and a Difference; Material Concerns; Capital Gains</i>	<i>Guest Speaker: ?BC Hydro</i>
13	Apr_4	Mon	Project #5: 360 ^o Review and Analysis of an Environmental Issue		
	Apr_6	Wed	Environmental Management in Action		<i>Guest Speakers: Islands Trust; Graham: Using EM and LEEDs</i>
14	Apr_11	Mon	Project #5 is due		
	Apr_13	Wed	Course Summary and Evaluations		

5. Basis of Student Assessment (Weighting)

(This section should be directly linked to the Intended Learning Outcomes.)

Project 1:	Carbon Footprint	5%
Project 2:	Low Impact Development	20%
Project 3:	Environmental Management Systems	25%
Project 4:	Transportation Issue Comparative Analysis	15%
Project 5:	360 ^o Review and Analysis	25%
Group Evaluations:		10%
Total		100%

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