



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:	Tim Elkin		
(b)	Office Hours:	Wed 12.30-1.20; Thurs 10.30-11.20; 1.30-2.20; Fri 11.30-12.20		
(c)	Location:	E238		
(d)	Phone:	370-3115	Alternative Phone:	
(e)	Email:	elkint@camosun.ca		
(f)	Website:			

2. Intended Learning Outcomes

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

Excerpts from the following works:
 Patrick Condon, 2010, Seven Rules for Sustainable Communities, Island Press; Mark Roseland, 2012, Toward Sustainable Communities 4th ed., New Society; Paul Hawken, Amory B. Lovins and L. Hunter Lovins, 2010, Natural Capitalism, 2nd Edition, Earthscan; Jane Roberts, 2010, Environmental Policy, Routledge; Mark Roseland, ed., 1997, Eco-City Dimensions, New Society

4. Course Content and Schedule

WEEK 1 Introduction to course

Week of Urban and regional environments

Sept 7

Introduction to Project 1: Sustainable communities

Online discussion: Sustainability and agriculture

WEEK 2 Sustainable communities: Key concepts

Sept 14

Project work

Lecture: Sustainable communities: Key concepts 1

Reading:

Mark Roseland, 2012, *Toward Sustainable Communities*, Ch. 1, *The Context for Sustainable Communities*; Ch. 2, *Sustainable Community Development*

Paul Hawken, Amory B. Lovins and L. Hunter Lovins, 2010, **Natural Capitalism, 2nd Edition. Earthscan, Chapter 1: The Next Industrial Revolution;**

Jenny Moore, *Inertia and Resistance on the Path to Healthy Communities*, in Roseland M., ed., 1997, Eco-City Dimensions.

WEEK 3 Sustainable communities: Key concepts

Sept 21

Lecture: Sustainable communities: Key concepts 2
Introduction to Project 2: Managing air quality

Project work

WEEK 4 Sustainable communities: Key concepts

Sept 28

Project work

WEEK 5 Sustainable communities: Urban planning, concepts and practice

Oct 5

Theme: Integrating land use and transportation

Lecture
Introduction to project 3: Transportation choice

Guest: Victoria Transport Policy Institute

Reading:

Mark Roseland, 2012, Toward Sustainable Communities, Ch. 8, *Transportation Planning and Traffic Management*; Ch. 9, *Land Use, Urban Form and Community Design*

Todd Litman, 2011, *Evaluating Transportation Land Use Impacts*
<http://www.vtpi.org/landuse.pdf>

WEEK 6 Sustainable communities: Urban planning, concepts and practice

Oct 12

Theme: Integrating land use and transportation

Project work

Guest: Greater Victoria Cycling Coalition

WEEK 7 Sustainable communities: Urban planning, concepts and practice

Oct 19

Theme: Integrating land use and transportation

Project work

WEEK 8 Sustainable communities: Urban planning, concepts and practice

Oct 26

Theme: Designing with nature

Lecture
Introduction to Project 4: Managing the hydrologic cycle

Project work

Reading:

Patrick Condon, Ch. 8, *Invest in Lighter, Greener, Smarter Infrastructure*;
Mark Roseland, 2012, *Toward Sustainable Communities*, Ch. 5, *Water and Sewage*; Ch. 11, *Green Building*

WEEK 9 Sustainable communities:

Nov 2

Theme: Designing with nature

Project work

REMEMBRANCE DAY

WEEK 10 Sustainable communities: Urban planning, concepts and practice

Nov 9 Theme: Designing with nature

Project work

Site visit: Selkirk Waterfront (Guest: D'Ambrosio Urbanism)

Week 11 Sustainable communities: Urban planning, concepts and practice

Nov 16 Theme: Designing with nature

Project work

Site visit: Docks Green (Guest: Corix)

WEEK 12 Sustainable communities: Implementation

Nov 23 Lecture

Introduction to Project 5: Developing an Environmental Management System for Camosun College

Reading:

Jane Roberts, Ch. 5, *Environmental Policy Making in Organizations*;
International Standards Organization, *ISO 14001 - Environmental management systems – Specification with guidance for use*, 1996;

Stapleton, Philip J., and Margaret A. Glover, *Environmental Management Systems: Implementation Guide for Small and Medium-Sized Organizations*, 2001. NOTE: 201 PAGES

Guest: Camosun Sustainability Manager

WEEK 13 Sustainable communities: Implementation

Nov 30

Project work

WEEK 14 Sustainable communities: Implementation

Dec 7

Project work

Project 5 presentation

5. Basis of Student Assessment (Weighting)

Projects (90%)

Sustainable communities (parts 1&2)

Managing air quality

Land use and transportation

Managing the hydrologic cycle

Developing an Environmental Management System

Participation (10%)

Evaluation here is based on attendance at all presentations in the course. In an applied academic course of this nature, participation is essential if students are to be successful. Students are expected to be fully involved in the course by attending **all class events** – lectures, guest speakers and site visits. **Students must achieve a 70% participation mark to pass the course**

Students are expected to fully participate in small-group project work where students tackle a problem and present a report based on their findings. Groups have the option to hand in, with each report, an evaluation of student member participation in the project, if participation in the work has not been equal for all students.

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