



## 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:	Tues 12.30-2.20; Wed 10.30-11.20; Thurs 1.30-2.20; Fri 10.30-11.20		
(c)	Location:	E238		
(d)	Phone:	370-3115	Alternative Phone:	
(e)	Email:	elkint@camosun.ca		
(f)	Website:			

### 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

Text

Patrick Condon, 2010, Seven Rules for Sustainable Communities. Island Press

Exerpts from the following works:

Paul Hawken, Amory B. Lovins and L. Hunter Lovins, 2010. Natural Capitalism. 2<sup>nd</sup> Edition. Earthscan; Jane Roberts, 2010, Environmental Policy. Routledge; Mark Roseland, ed., 1997, Eco-City Dimensions. New Society

### 4. Course Content and Schedule

<b>WEEK 1</b>	<b>Introduction to course</b>
Week of	Urban and regional environments;
Jan 7	Introduction to Project 1: Sustainable communities (part 1)
<b>WEEK 2</b>	<b>Sustainable communities: Key concepts</b>
Jan 14	Project work
	Lecture
	Introduction to Project 2: Managing air quality
	<b>Reading:</b>

Paul Hawken, Amory B. Lovins and L. Hunter Lovins, 2010. Natural Capitalism. 2<sup>nd</sup> 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. New Society

**WEEK 3**  
Jan 21

**Sustainable communities: Key concepts**

Guest: Mark Boysen, Saanich Municipality

Project work

**WEEK 4**  
Jan 28

**Sustainable communities: Key concepts**

Project work

**WEEK 5**  
Feb 4

**Sustainable communities: Urban planning, concepts and practice**

Integrating land use and transportation

Lecture

Introduction to project 3: Transportation choice

Guest: Todd Litman, Victoria Transport Policy Institute

**Reading:**

Patrick Condon, Chapters 2, 3, 4

Todd Litman, 2011, *Evaluating Transportation Land Use Impacts*

<http://www.vtpi.org/landuse.pdf>

**WEEK 6**  
Feb 11

**Sustainable communities: Urban planning, concepts and practice**

Focus on the urban region

Guest: Jeff Weightman, CRD

**Reading:**

Patrick Condon, Chapters 5, 6

CRD, 2008, State of the Region report

<http://www.crd.bc.ca/regionalplanning/documents/StateoftheRegionWEB.pdf>

Project work

**WEEK 7**  
Feb 18

**Sustainable communities: Urban planning, concepts and practice**

Designing with nature

Lecture

Introduction to Project 4: Managing the hydrologic cycle

**Reading:**

Patrick Condon, Chapters 7, 8

READING BREAK

**WEEK 8**  
Feb 25

**Sustainable communities: Urban planning, concepts and practice**

Site visit: **Selkirk Waterfront (Guest: Terry Kopek, D'Ambrosio Urbanism)**

Project work

**WEEK 9**  
March 4

**Sustainable communities: Urban planning, concepts and practice**

**Site visit:** UVic campus

**Site visit:** Dockside Green (Guests: Lehna Malvist, Swell Consulting; Terry Balak, Corix)

WEEK 10  
March 11

Sustainable communities: Urban planning, concepts and practice

Project work

Week 11  
March 18

Sustainable communities: Making it happen

**Lecture**

Introduction to Project 5: EMS

Guest speaker/site visit

**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

WEEK 12  
March 25

Sustainable communities: Making it happen

Project work

EASTER HOLIDAY

WEEK 13  
April 1

Sustainable communities: Making it happen

Course review

Introduction to Project: Sustainable communities: revisiting the concept

Project work

WEEK 14  
April 8

Sustainable communities: Making it happen

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  
 Environmental Management Systems

**Participation (10%)**

Course evaluation is based on participation in all aspects of 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.

At the end of the semester students will submit an evaluation form assessing their participation in 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](http://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<sup>rd</sup> 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**

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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](http://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