



## 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:	Mon 11.30-12.20, 2.30-3.20; Wed 11.30-12.20, 2.30-3.20		
(c)	Location:	E238		
(d)	Phone:	370-3115	Alternative Phone:	
(e)	Email:	<a href="mailto:elkint@camosun.ca">elkint@camosun.ca</a>		
(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

Excerpts from the following works:

Patrick Condon, 2010, Seven Rules for Sustainable Communities, Island Press; Mark Roseland, 2012, Toward Sustainable Communities 4<sup>th</sup> ed., New Society; 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

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

**WEEK 1 Introduction**  
 Week of Jan 11  
 Class 1: Introduction to course - Urban and regional environments  
 Introduction to Project 1: Sustainable communities  
  
 Class 2: Project work/online discussion: Sustainability and agriculture

**WEEK 2 Sustainable communities: Key concepts**  
 Jan 18  
 Class 1: Project work  
  
 Class 2: **Lecture:** Sustainable communities: Key concepts

**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, 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.

**WEEK 3**  
Jan 25

**Sustainable communities: Key concepts**

Class 1: Lecture

Introduction to Project 2: Managing air quality

Class 2: Project work

**WEEK 4**  
Feb 1

**Sustainable communities: Key concepts**

Class 1/2: Project work

**WEEK 5**  
Feb 8

Class 1: FAMILY DAY

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

Theme: Integrating land use and transportation

Class 2: Lecture

Introduction to project 3: Transportation choice

**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**  
Feb 15

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

Theme: Integrating land use and transportation

Class 1: Guest: Victoria Transport Policy Institute

Class 2: READING BREAK

**WEEK 7**  
Feb 22

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

Theme: Integrating land use and transportation

Class 1: Project work

Class 2: Guest CRD

**WEEK 8**  
Feb 29

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

Theme: Regional planning

Class 1: Guest - CRD

Theme: Designing with nature

Class 2: Lecture

Introduction to Project 4: Managing the hydrologic cycle

**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: Urban planning, concepts and practice**

March 7 Theme: Designing with nature

Class 1: **Site visit** - Selkirk Waterfront (Guest: D'Ambrosio Urbanism)

Class 2: Project work

**WEEK 10**  
March 14

**Sustainable communities:**

Theme: Designing with nature

Class 1: **Site visit** - Dockside Green (Guest: Corix)

Class 2: Project work

**Week 11**  
March 21

**Sustainable communities: Implementation**

Class 1: Lecture

Introduction to Project 5

**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.

Class 2: Project work

**WEEK 12**  
March 28

**Sustainable communities: Implementation**

Class 1: EASTER

Class 2: Guest: Camosun Sustainability Manager

**WEEK 13**  
April 4

**Sustainable communities: Implementation**

Class 1/2: Project work

**WEEK 14**  
April 11

**Sustainable communities: Implementation**

Class 1: Project work

Class 2: Project 5 presentation

## 5. Basis of Student Assessment (Weighting)

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

### **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**

## 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

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