



## 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:	<b>Mon 10.30-11.20, 1.30-2.20; Tues 1.30-2.20; Wed 11.30-12.20</b>		
(c)	Location:	E238		
(d)	Phone:	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

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

#### WEEK 1 Introduction

Week of Introduction to course - Urban and regional environments;

Sept 4 Introduction to Project 1: Designing sustainable communities

**WEEK 2** Classes 1/2: Project 1: research/field work

Sept 11

#### WEEK 3 Sustainable communities: Key concepts

Sept 18 Class 1: 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.

Class 2: Guest - Sustainability manager, City of Victoria

**WEEK 4 Sustainable communities: Key concepts**

Sept 25 Class 1: Lecture: Sustainable communities: Key concepts  
Introduction to Project 2: Managing air quality

Class 2: Project work

**WEEK 5 Sustainable communities: Key concepts**

Oct 2

Class 1/2: Project work

**WEEK 6 Sustainable communities: Urban planning, concepts and practice**

Oct 9 Theme: Integrating land use and transportation

Class 1: **THANKSGIVING HOLIDAY**

Class 2: Lecture: focus on land use and transportation

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

Oct 16 Theme: Integrating land use and transportation

Class 1: Project work

Class 2: Guest: Victoria Transport Policy Institute

**WEEK 8 Sustainable communities: Urban planning, concepts and practice**

Oct 23 Theme: Designing with nature

Class 1: Lecture: Designing with nature

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*

Class 2: Project work

**WEEK 9 Sustainable communities: Urban planning, concepts and practice**

Oct 30 Theme: Designing with nature

Class 1: Lecture: Designing with nature

**Class 2: Site visit - Selkirk Waterfront**

**WEEK 10 Sustainable communities: Urban planning, concepts and practice**

Nov 6 Theme: Designing with nature

Class 1: Project work

**Class 2: Site visit - Dockside Green**

**Week 11 Sustainable communities: Implementation**

Nov 13 **Class 1: REMEMBRANCE DAY**

Class 2: Project work

WEEK 12 Sustainable communities: Implementation

**Nov 20 Class 1: Lecture: Implementing sustainable community development**

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: Guest: Camosun Sustainability Manager**

WEEK 13 Sustainable communities: Implementation

**Nov 27 Class 1/2: Project work**

WEEK 14 Sustainable communities: Implementation

**Dec 4 Class 1: Project work**

**Class 2: Presentations: Project 5**

**5. Basis of Student Assessment (Weighting)**

**Projects** (90%)

- Designing sustainable communities
- Managing air quality
- Addressing transportation choice
- Managing the hydrologic cycle
- Implementing change

**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
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<b>I</b>	<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.
<b>IP</b>	<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>
<b>CW</b>	<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.