

	<p>School of Arts & Science ENVIRONMENTAL TECHNOLOGY DEPARTMENT ENVR 222 Urban & Regional Environments Quarter or Semester/Year</p>
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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.bc.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. NaturalCapitalism. 2nd 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 to course

Urban and regional environments

Week of Jan 9

Videos:

Radiant City NFB, 2006,

http://www.nfb.ca/film/radiant_city

End of suburbia

<http://www.youtube.com/watch?v=Q3uvzcY2Xug&noredirect=1>

Pedal Power, 2009, CBC <http://www.cbc.ca/documentaries/doczone/2009/pedalpower/>

Reading:

UBC, *Sustainable urban landscapes, setting the context: water, air, people* (pp. 8-15)
http://www.jtc.sala.ubc.ca/projects/DesignManual/Setting_context1.pdf

Patrick Condon, *Introduction, Seven Rules for Sustainable Communities*.

Jay Walljasper, 2005, *New Lessons from the Old World*, E Magazine
<http://www.emagazine.com/archive/2307>

WEEK 2 Exploring sustainable communities

Jan 16

Introduction to Project: Sustainable communities

Guest: Mark Boysen, Saanich Municipality

WEEK 3 Environmental management: Key concepts

Jan 23

Reading:

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

Introduction to project: Air quality

WEEK 4

Project work

Jan 30

WEEK 5 Sustainable communities: Transportation design

Feb 6

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>

READING BREAK

WEEK 6 Introduction to project: Transportation choice

Feb 13

WEEK 7 Sustainable communities: Urban design

Feb 20

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

Reading:

Patrick Condon, Chapters 5, 6

Guest: Wendy Macdonald, Advicus Consulting

WEEK 8 Sustainable communities: Measuring performance

Feb 27

Reading:

CRD, 2008, State of the Region report
<http://www.crd.bc.ca/regionalplanning/documents/StateoftheRegionWEB.pdf>
CRD, 2009, State of Environment report (on D2L)

Guests: Sarah Webb, Geoff Weightman, CRD

WEEK 9 Sustainable communities: Ecologic design

March 5

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

Reading:

Patrick Condon, chapters 7, 8
Introduction to project: hydrologic cycle

WEEK 10 **Project work**

March 12

Week 11 Sustainable communities: Involving the community

March 19

Environment management Systems – ISO 14001

Site Visit **Esquimalt graving dock (Guests: Daryl Lawes/Melissa Piasta, Department**

Reading:

Jane Roberts, Ch. 5, *Environmental Policy Making in Organizations*

Jenny Moore, *Inertia and Resistance on the Path to Healthy Communities*, in Roseland M., ed., 1997, *Eco-City Dimensions*. Gabriola Island, BC: New Society

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 **Introduction to project: EMS**

March 26

WEEK 13 **Project work**

April 2

EASTER HOLIDAY

WEEK 14 **Sustainable communities revisited**

April 9

5. Basis of Student Assessment (Weighting)

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

Projects (90%)

Sustainable communities

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 and site visits - and by contributing to discussion at these events.

At the end of the semester students will hand in the evaluation form assessing their participation in the course.

Students are expected to fully participate in all project work where students work in small groups to 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.

INFORMATION FOR PROJECT REPORTS

All REPORTS must be **type written**.

All REPORTS should be written from a '**professional**' perspective, as if you were working as a consultant and submitting a professional report to a client. This is an opportunity to practice technical writing skills, in presenting the findings of your project work.

All REPORTS must have:

- **Introduction:** Explain the nature of the project
- **Methodology**
- **Discussion** of relevant theory and results.
- **Recommendations** (if appropriate)
- **Conclusion**, summarizing findings.

It is expected that students will consistently cite course readings, and other research, in their report, to demonstrate understanding of the theoretical context of their work.

Note that all work must consistently use an accepted bibliographic style, including works cited from the Internet.

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. <i>(For these courses a final grade will be assigned to either the 3rd 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.
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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