



COURSE OUTLINE

The course description is online @ <http://camosun.ca/learn/calendar/current/web/geog.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 1.30-2.20; Wed 10.30-11.20; Thurs 1.30-2.20; Fri 10.30-11.20		
(c)	Location:	E238		
(d)	Phone:	250-370-3115	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. Describe and explain the major concepts underlying the management of natural resources.
2. Apply these management concepts to the management of specific natural resource systems.
3. Identify and discuss significant contemporary factors that influence the management of natural resources.

3. Required Materials

Roberts J., 2011, *Environmental Policy* Routledge
Gore C. and P. Stoett, 2009 (eds.), *Environmental Challenges and Opportunities* (Toronto: Emond Montgomery)
Course Manual

4. Course Content and Schedule

Week starting

Week 1 Sept. 2-

Introduction to the course

Course overview

Reading

Stoett Peter and Christopher Gore, *Introducing the Global-Local Dimension* in Gore C. and P. Stoett, 2009 (eds.) *Environmental Challenges and Opportunities*

Mitchell B., *Policy and Practice – Issues, Challenges and Opportunities* in Mitchell B., 2010, (ed.) *Resource and Environmental Management in Canada* (Toronto: Oxford) Ch. 1, pp. 1-18 (on D2L)

THEME: JURISDICTION OF NATURAL RESOURCES IN CANADA

Week 2 Sept. 9-

CLASS 1: LECTURE

Jurisdiction of natural resources

International and national jurisdiction; Constitution Act; federal and provincial jurisdiction; Indigenous rights

CLASS 2: Case Study

Case study: Federal versus provincial control of resources

Reading

Paehlke, Robert, *Global politics comes to Fort McMurray: Energy and climate change. Ch. 11 in Gore C. and P. Stoett, 2009 (eds.) Environmental Challenges and Opportunities*

Video: Tar Sands: Canada for Sale

THEME: UNDERSTANDING CONCEPTS

Week 3 Sept. 16-

CLASS 1: LECTURE

Defining natural resources: Environmental capital and environmental services; recognizing complexity and uncertainty; sustainability; resource depletion

Reading

Roberts, Ch. 1: *So what's the problem?*

CLASS 2: DISCUSSION

ONLINE DISCUSSION: *Resource depletion: Fact or fiction?*

Reading

David Hughes, *The Energy Issue: A More Urgent Problem than Climate Change?* In Homer-Dixon, T. (ed.), 2010, *Carbon Shift*. Vintage Canada (on D2L)

Neil Reynolds, *Our world's not coasting on empty after all.* Globe and Mail, Apr. 30, 2012 (on D2L)

Charles Kenny, *Everything You Know About Peak Oil Is Wrong*

<http://www.businessweek.com/magazine/everything-you-know-about-peak-oil-is-wrong-01262012.html>

Week 4 Sept 23

CLASS 1: LECTURE

Understanding the causes of overuse of natural resources: Worldviews: role of values in determining attitudes and behaviour; resource ownership; Hardin's tragedy of the commons; examining resource scarcity

Reading

Roberts, Ch. 2: *The roots of environmental problems.*

CLASS 2: Case Study

Case study: Examining resource depletion: Case of biodiversity

Reading

Bocking Stephen, *Making Space for Species: local and Global Challenges of Biodiversity.*

Ch. 2 in Gore C. and P. Stoett, 2009 (eds.) *Environmental Challenges and Opportunities*

Video: The end of the line

Week 5 Sept 30

CLASS 1: LECTURE

Examining goals for resource management: Addressing resource scarcity (Malthus; limits to growth study) and the emergence of the concept of sustainable development; ecosystem approach; assessing sustainability

Reading

Roberts, Ch. 3. *Sustainable development and the goals of environmental policy*

CLASS 2: Case Study

Case Study: Sustainability, economics and salmon aquaculture in BC

Reading

Volpe John and Karena Shaw, *Fish Farms and Neo-liberalism: Salmon Aquaculture in BC.* Ch. 6 in Gore C. and P. Stoett, 2009 (eds.) *Environmental Challenges and Opportunities*

Video: Net Loss: the storm over salmon farming

Week 6 Oct 7

CLASS 1

Test

CLASS 2: DISCUSSION

ONLINE DISCUSSION: Students choose one of three topics (see D2L)

THEME: INTERNATIONAL CONTEXT AND RESOURCE MANAGEMENT

Week 7 Oct 14

CLASS 1: LECTURE

International environmental policy making

Reading

Roberts, Ch. 7 *International environmental policy making*

CLASS 2: Case study

Case study: International policy, the Arctic and polar bear protection

Reading

Boardman, Robert, *Polar Bears and the Canadian Arctic: local Communities in a Globalizing World*. Ch. 12 in Gore C. and P. Stoett, 2009 (eds.) *Environmental Challenges and Opportunities*

THEME: ROLE OF SCIENCE AND ECONOMICS IN RESOURCE MANAGEMENT

Week 8 Oct 21

CLASS 1: LECTURE

Science, Technology and Policy

Science and policy making; uncertainty, precautionary principle and adaptive environmental management

Reading

Roberts, Ch. 4. Science and Technology: Policies and Paradoxes

CLASS 2: PROJECT (In GP lab)

Examining feasibility of renewable energy (see course manual)

Reading

Etcheverry J., *Local and Global Energy Needs: Toward a Renewable Future*. Ch. 10 in Gore C. and P. Stoett, 2009 (eds.) *Environmental Challenges and Opportunities*

Week 9 Oct 28

CLASS 1: Discussion

ONLINE DISCUSSION: Students choose one of three topics (see D2L)

CLASS 2

RESEARCH PAPER – getting started

Week 10 Nov 4

CLASS 1: LECTURE

Economics and resource management

Reading

Roberts, Ch. 8. *Environmental economics*

CLASS 2: online assignment

The End of Growth: Podcast from CBC's 'Ideas'

<http://www.cbc.ca/ideas/episodes/2013/03/13/the-end-of-growth/>

Week 11 Nov 11

CLASS 1: PROJECT (In GP lab)

Addressing climate change at the local level: Land use and transportation choice (see course manual)

CLASS 2

RESEARCH PAPER

THEME: DECISION MAKING IN RESOURCE MANAGEMENT

Week 12 Nov 18

CLASS 1: LECTURE

Natural resources and decision-making

Decision making process; environmental assessment

CLASS 2: Case study

Case study: Examining Quebec's Great Whale Project

Reading

Mulrennan, Monica, 1998, *Great Whale: Lessons from a Power Struggle* (in course manual)

Video: [Riding the Great Whale](#) (NFB)

Week 13 Nov 25

CLASS 1

RESEARCH PAPER

CLASS 2

Test

Week 14 Dec 2

Decision making in practice: Case of BC

CLASS 1

The Windy Craggy Project: Examining the Tatsshenshini-Alsek wilderness preservation decision

Part 1: Examining resource interests

Reading

[Interim Report on Tatshenshini-Alsek Land Use, British Columbia: Volume 2: Appendices](#) British Columbia. Commission on Resources and Environment, 1993 (in course manual)

Part 2: Making the decision

Reading

BC Hydro, *Making Decisions*

T. L. McDaniels, *An analysis of the Tatshenshini-Alsek wilderness preservation decision*, Journal of Environmental Management (1999) 57, 123–141 (pp.123-132 extracted in course manual)

CLASS 2

Energy Policy in BC: Making a decision on the Site C Project

Part 1: Examining energy supply options for BC

Reading

BC government, 2007, [The BC Energy Plan](#) (in course manual)

Part 2: Assessing the Site C Project

Reading

BC Hydro, 2013, [Site C: Environmental Impact Statement](#) (in course manual)

5. Basis of Student Assessment (Weighting)

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

Online work (case study definitions; assignment: discussion)	= 25%
Paper	= 25%
Tests	= 30%
Projects	= 12%
In-class work	= 8%

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