



**CAMOSUN COLLEGE**  
**School of Arts & Science**  
**Department of Social Sciences**

**GEOG-220-001**  
**Natural Resource Systems**  
**Fall 2018**

**COURSE OUTLINE**

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The course description is online @ <http://camosun.ca/learn/calendar/current/web/geog.html>

Ω Please note: This outline will not be kept indefinitely. It is recommended students keep this outline for their records, especially to assist in transfer credit to post-secondary institutions.

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**1. Instructor Information**

(a) Instructor	Tim Elkin		
(b) Office hours	Tues 10.30–12.20; Thurs 11.30–1.20		
(c) Location	E238		
(d) Phone	370-3115	Alternative:	
(e) E-mail	elkint@camosun.bc.ca		
(f) Website			

**2. Intended Learning Outcomes**

Upon completion of this course students will:

- Describe and explain key concepts underlying resource and environmental management.
- Apply key concepts to the practice of resource and environmental management through the use of strategies and tools such as adaptive management, ecosystem-based management, impact assessment and conflict resolution.
- Identify and discuss key factors that influence resource and environmental management, including indigenous rights and relationships to land, internationalization, globalization and trade.

**3. Required Materials**

Roberts J., 2011, Environmental Policy Routledge  
Gore C. and P. Stoett, (eds.), Environmental Challenges and Opportunities (Toronto: Emond Montgomery) custom edition

**4. Course Content and Schedule**

Week starting

**Week 1 Sept. 3-**

Introduction to the course

Course overview

Reading

Stoett Peter and Christopher Gore, *Introducing the Global-Local Dimension*, Ch.1 in Gore C. and P. Stoett (eds.) Environmental Challenges and Opportunities

Mitchell B., **Policy and Practice – Issues, Challenges and Opportunities** in Mitchell B., 2015, (ed.) Resource and Environmental Management in Canada (Toronto: Oxford) Ch. 1, pp. 3-29 (on D2L)

Arno Kopecky, Things have never been so good for humanity, nor so dire for the planet  
Globe and Mail, August 25, 2018

## **THEME: JURISDICTION OF RESOURCE and ENVIRONMENTAL MANAGEMENT IN CANADA**

**Week 2 Sept. 10-**

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 (eds.) Environmental Challenges and Opportunities

Video: Tar Sands: Canada for Sale

## **THEME: UNDERSTANDING CONCEPTS**

**Week 3 Sept. 17-**

CLASS 1: LECTURE

**Defining resource and environmental management:** 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?*

**Week 4 Sept 24**

CLASS 1: LECTURE

**Understanding the causes of overuse of resources and environment:** 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 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 (eds.) Environmental Challenges and Opportunities

Video: The end of the line

**Week 5 Oct 1**

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 (eds.) Environmental Challenges and Opportunities*

Video: Net Loss: the storm over salmon farming

**Week 6 Oct 8**

CLASS 1

**THANKSGIVING**

CLASS 2:

**QUIZ 1**

**THEME: INTERNATIONAL CONTEXT - RESOURCE AND ENVIRONMENTAL MANAGEMENT**

**Week 7 Oct 15**

CLASS 1: LECTURE

**International environmental policy making**

Globalization and neo-liberalism; internationalization; free trade

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 (eds.) Environmental Challenges and Opportunities*

**THEME: ROLE OF SCIENCE AND ECONOMICS IN RESOURCE AND ENVIRONMENTAL MANAGEMENT**

**Week 8 Oct 22**

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: Discussion

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

**Week 9 Oct 29**

CLASS 1: PROJECT 1 (in GP lab)

Focus on renewable energy

CLASS 2

**QUIZ 2**

**Week 10 Nov 5**

CLASS 1: LECTURE

**Economics and resource and environmental management**

Reading

Roberts, Ch. 8. *Environmental economics*

CLASS 2: PROJECT 2: Managing economic growth in a finite world

**Week 11 Nov 12**

CLASS 1: Discussion

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

CLASS 2: Getting started on your research paper

**THEME: DECISION MAKING IN RESOURCE AND ENVIRONMENTAL MANAGEMENT**

**Week 12 Nov 20**

CLASS 1: LECTURE

**Resource and environmental management and decision-making**

Decision making process; environmental assessment

CLASS 2

**The Windy Craggy Project: Examining the Tatshenshini-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

*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

**Week 13 Nov 26**

CLASS 1

**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](#)

*Part 2: Assessing the Site C Project*

Reading

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

CLASS 2

**QUIZ 3**

**Week 14 Dec 3**

CLASS 1/2

COMPLETION: RESEARCH PAPER

## 5. Basis of Student Assessment (Weighting)

Online/in-class work (case study definitions; assignment; discussion)	= 35%
Paper	= 35%
Quizzes	= 20%
Projects	= 10%

## 6. Grading System

- Standard Grading System (GPA)
- Competency Based Grading System

## 7. Recommended Materials to Assist Students to Succeed Throughout the Course

## 8. College Supports, Services and Policies



### Immediate, Urgent, or Emergency Support

If you or someone you know requires immediate, urgent, or emergency support (e.g. illness, injury, thoughts of suicide, sexual assault, etc.), **SEEK HELP**. Resource contacts @ <http://camosun.ca/about/mental-health/emergency.html> or <http://camosun.ca/services/sexual-violence/get-support.html#urgent>

### College Services

Camosun offers a variety of health and academic support services, including counselling, dental, disability resource centre, help centre, learning skills, sexual violence support & education, library, and writing centre. For more information on each of these services, visit the **STUDENT SERVICES** link on the College website at <http://camosun.ca/>

### College Policies

Camosun strives to provide clear, transparent, and easily accessible policies that exemplify the college's commitment to life-changing learning. It is the student's responsibility to become familiar with the content of College policies. Policies are available on the College website at <http://camosun.ca/about/policies/>. Education and academic policies include, but are not limited to, Academic Progress, Admission, Course Withdrawals, Standards for Awarding Credentials, Involuntary Health and Safety Leave of Absence, Prior Learning Assessment, Medical/Compassionate Withdrawal, Sexual Violence and Misconduct, Student Ancillary Fees, Student Appeals, Student Conduct, and Student Penalties and Fines.

### A. GRADING SYSTEMS <http://camosun.ca/about/policies/index.html>

**The following two grading systems are used at Camosun College:**

#### 1. 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		1
0-49	F	Minimum level has not been achieved.	0

## 2. Competency Based Grading System (Non GPA)

This grading system is based on satisfactory acquisition of defined skills or successful completion of the course learning outcomes

Grade	Description
COM	The student has met the goals, criteria, or competencies established for this course, practicum or field placement.
DST	The student has met and exceeded, above and beyond expectation, the goals, criteria, or competencies established for this course, practicum or field placement.
NC	The student has not met the goals, criteria or competencies established for this course, practicum or field placement.

## B. 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 at <http://camosun.ca/about/policies/index.html> 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 are designed to have an anticipated enrollment that extends beyond one term. No more than two IP grades will be assigned for the same course.
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.