



## 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)	Instructors:	David McAllister; Annette Mortensen; Steve Sakiyama; Anna Colangeli, Steve Gormican		
(b)	Office Hours:	TBA		
(c)	Location:	F-246		
(d)	Phone:	250-370-3459	Alternative Phone:	250-370-3423
(e)	Email:	<a href="mailto:colangel@camosun.bc.ca">colangel@camosun.bc.ca</a> <a href="mailto:gormicans@camosun.bc.ca">gormicans@camosun.bc.ca</a>		
(f)	Website:	<a href="http://www.online.camosun.ca">www.online.camosun.ca</a>		

### 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. Discuss basic waste management technology.
2. Demonstrate skills in contingency planning, basic training in marine oil spill response, and oil spill management.
3. Discuss provincial and federal legislation on:
  - Solid, liquid and gaseous waste management.
  - Transportation of hazardous wastes.
  - Environmental impact assessment.
  - Contaminated site remediation.
  - Management of hazardous and toxic wastes.
  - Marine pollution.
4. Outline how to conduct a preliminary site investigation and develop a site profile for a potentially contaminated site.
5. Discuss environmentally sound waste management options such as:
  - Pollution prevention (PP or P2).
  - Environmental management systems (EMSs).
  - Waste reduction, recycling and reuse (WR3).
6. Discuss the analytical techniques for some of the more common pollutants.
7. Participate in an oral discussion of environmental pollution and monitoring of the environment.
8. Discuss the role and response of society to environmental issues.

### 3. Required Materials

- (a) Texts: Jerry A. Nathanson, *Basic Environmental Technology: Water Supply, Waste Management and Pollution Control* Fifth Edition, Prentice Hall 2008
- (b) Other: All other material is found via D2L

### 4. Course Content and Schedule

**Lectures:** Thursday 1:30 – 3:20 Wilna Thomas 102  
**Labs:** Section 01A: Tuesday 9:30 -12:20 Fisher 216  
Section 01B: Tuesday 2:30 – 5:20 Fisher 310

The following schedule is tentative and subject to change. Please check D2L before all field trip activities to determine if there are any changes.

Week	Date	Tuesday	Thursday
1	Jan 10/12	Course Introduction; <ul style="list-style-type: none"> <li>• Overview, format</li> <li>• Presentation topics</li> </ul>	Review of Biology/Chemistry/Microbiology <ul style="list-style-type: none"> <li>• Assignment of Presentations</li> </ul>
2	Jan 17/19	Introduction to Air Quality	Air Quality (cont'd)
3	Jan 24/26	Field Trip: Air Quality	Liquid Waste Management:
4	Jan 31/Feb 2	Field Trip: Clover Point Pump Station	Liquid Waste (cont'd):
5	Feb 7/9	CRD - Source Control	Solid Waste Management:
6	Feb 14/16	no labs	Reading Break
7	Feb 21/23	Field Trip: Hartland/SPWWTP	Solid Waste (cont'd) David
8	Feb 28/Mar 1	Field Trip: Hartland/SPWWTP	Contaminated Sites:
9	Mar 6/8	Contaminated Sites (cont'd):	Contaminated Sites (cont'd):
10	Mar 13/15	Field Trip: Contaminated Sites	Contaminated Sites (cont'd):
11	Mar 20/22	Field Trip: Graving Dock	Guest Speaker: Ross Cameron - BC Ferries
12	Mar 27/29	Student Presentations	Guest Speaker: Janice Walton - Environmental Law
13	Apr 3/5	Student Presentations	Field Trip: Vancouver Island Brewery
14	Apr 10/12	TBA	TBA
	Apr 16-24	Exam period	

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

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

- (a) Assignments/Field Trip Reports: 30%
- (b) Quizzes: 50%
- (c) Presentation: 20%

## 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. (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.)
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