



**School of Arts & Science
ENVIRONMENTAL TECHNOLOGY DEPARTMENT**

**ENVR 290
Aquatic Environments
Spring/Summer 2014**

COURSE OUTLINE

The Approved Course Description is available on the web @ <http://camosun.ca/learn/programs/envr/study.html>

Ω Please note: this outline will be electronically stored for five (5) years only.
It is strongly recommended students keep this outline for your records.

1. Instructor Information

(a)	Instructor:	Steve Gormican		
(b)	Office Hours:	Posted on Office Door and online		
(c)	Location:	Fisher 248B		
(d)	Phone:	250-370-3423	Alternative Phone:	
(e)	Email:	gormicans@camosun.bc.ca		
(f)	Website:	https://online.camosun.ca/		

2. Intended Learning Outcomes

Upon completion of this course the student will be able to:

- Utilize the specialized vocabulary of aquatic sciences
- Describe and measure lake and ocean morphological features
- Compare the physical and chemical properties of fresh and marine waters
- Describe lake and ocean layering and vertical mixing processes
- Identify the processes for surface circulation patterns in oceans and the linkages with atmospheric processes
- Identify the components of waves and tides; utilize standard tide and current tables
- Compare the chemical components of lakes and oceans
- Describe nutrient limitation in lakes and oceans and compare the processes involved
- Identify the components of light and its relationship with primary production
- Identify processes which affect lake and marine primary production
- Compare lake and ocean phytoplankton and zooplankton groups and the factors which affect population abundance

3. Required Materials

4. Texts – none

(b) Lab manual and lecture notes are found in the course D2L site.

4. Course Content and Schedule

For 4 credits, the student will contribute approximately 28 hours in class and 28 hours out of class. There will be weekly meeting with the project supervisor twice weekly as required. The project will progress throughout the term and be completed by the Final Exam period of Summer 2014.

Mark Breakdown:

Reports, worksheets and assignments	100%
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6. Grading System 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. (For these courses a final grade will be assigned to either the 3 rd 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.

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 on the College web site in the Policy Section.