



School of Arts & Science  
ENVIRONMENTAL TECHNOLOGY DEPARTMENT  
ENVR 240  
Fundamentals of GIS  
Fall 2010

## COURSE OUTLINE

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

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### 1. Instructor Information

- (a) Instructor: Steve Hann
- (b) Office hours and location: Tuesday 11:30AM to 1:30PM or by appointment (F314A)
- (c) Location: Ewing 112
- (d) Phone: 686-4569 (cell)                      Alternative: 721-4569 (home)
- (e) E-mail: Hann@Camosun.bc.ca

### 2. Intended Learning Outcomes

The student will be able to:

Explain the process followed in the creation and use of resource maps, data input, data extraction, and data modeling based upon attribute information.  
Understand nomenclature and terms commonly used in GIS.  
Build on spatial data input and editing, create topology, and use analysis functions.  
Apply GIS concepts learned in ENVR 140 to projects using ArcGIS software.  
Use GIS in working applications.  
Use other GIS formats – raster and image data.  
Use GIS in a working environment.

### 3. Required Materials

Text:  
Getting to Know ArcGIS desktop—second edition Updated for Arc GIS 9.3, Tim Ormsby et al.

### 4. Course Content and Schedule

Class/Lab Times:  
E-112              Monday and Friday              1:30PM – 3:20PM

Attendance to every class is mandatory. You must notify me with a valid excuse if you cannot attend a class otherwise you will be penalized, as attendance is part of your final grade. If you miss a class, it is your responsibility to make up what you missed on your own time before the next session, not during the next scheduled class. Priority will be given to helping students who attended the last class and are working on current tasks.

Tutorial Times: TBA

The projects and assignments in this course are designed to emulate projects one might come across in real world situations.

## 5. Basis of Student Assessment (Weighting)

(a) Assignments, Projects, Quizzes, and other:

1. There will be 6 assignments worth between 5% and 20% each
  2. 1 in-class spatial analysis quiz – 15%
  3. Instructors Assessment – 5% of final mark (based on attendance and class participation)
- Assignments are always due at the beginning of class unless otherwise specified.
  - Assignments submitted to instructor after the due date will have marks deducted at a rate of 5% per day. If assignments have been graded and returned to the class, no grade will be given.
  - **All assignments and projects must be typed. No hand written papers will be accepted.** All maps must be submitted in both hard copy and digital (pdf) format at the specified page size

Notes:

- Late arrivals greater than 20 minutes will be considered an absence.
- If you are absent the day an assignment is due, it is your responsibility to make arrangements with the instructor prior to the class, or late penalties will apply.
- If you are absent the day a project is assigned, it is your responsibility to contact the instructor and get the assignment and information.

## 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](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**

*Compulsory Withdrawal:* 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.