	School of Arts & Science **ENVIRONMENTAL TECHNOLOGY DEPARTMENT** **ENVR 240** **Fundamentals of GIS** **Winter 2012**

COURSE OUTLINE

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

1. Instructor Information

(a) Instructor: Steve Hann

(b) Office hours: Tuesday 9:30 to 11:20, Thursday 11:30AM to 1:30PM or by appointment

(c) Location: Fisher 314A

(d) Phone: 686-4569 (cell) (Monday to Friday 9 to 5)

(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 10, Tim Ormsby et al.

4. Course Content and Schedule

Class/Lab Times:
 Monday and Wednesday   9:30AM – 11:20AM (Section 1)
                                                    11:30AM – 1:20PM (Section 3)
                                                    1:30PM – 3:20PM (Section 2)

Although attendance to every class is not mandatory you must notify me if you are not going to be able to attend a class otherwise you may be penalized. If you miss a class, it is your responsibility to make up what you missed on your own time. Priority will be given to helping students who attended the last class and are working on current tasks.

The projects and assignments in this course are designed to emulate projects one might come across in real world situations. What you hand in should be what you would submit to a client if you yourself were a contractor (Neatness counts!)

5. Basis of Student Assessment (Weighting)

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

1. There will be 6 to 8 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 10% 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 unless specified.** 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

| X | Standard Grading System (GPA)

A+ =	90-100%	B+ =	77-79%	C =	60-64%
A =	85-89%	B =	73-76%	D =	50-59%
A- =	80-84%	B- =	70-72%	F =	0-49%
		C+ =	65-69%		

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.

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.