



**CAMOSUN COLLEGE**  
**School of Arts & Science**  
**Department of Environmental Technology**

**ENVR-140-001**  
**Fundamentals of GIS**  
**Fall 2019**

**COURSE OUTLINE**

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The course description is online @ <http://camosun.ca/learn/calendar/current/web/envr.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	Steve Hann		
(b) Office hours	Tues 5:30 to 6:30, Thurs 5:30-6:30, or by appointment		
(c) Location	F314D		
(d) Phone	250-686-4569	Alternative:	
(e) E-mail	hann@camosun.bc.ca		
(f) Website			

**2. Intended Learning Outcomes**

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

1. Create digital data from hard copy manuscripts.
2. Edit data to create topologically correct datasets.
3. Add attribute information to digital data.
4. Use skills learned to perform overlay analysis of data.
5. Perform queries on data using logical and arithmetic expressions.
6. Perform coordinate editing on spatial data.
7. Use skills learned to manage and store digital data.

**3. Required Materials**

(a) Texts

Getting to know ArcGIS for Desktop – 5<sup>th</sup> ed. for ArcGIS 10.6, Michael Law & Amy Collins  
<https://www.vitalsource.com/products/getting-to-know-arcgis-desktop-michael-law-v9781589485112>

**4. Course Content and Schedule**

Class/Lab times:

ENVR 140-001: Tuesday 3:30 PM – 5:20 PM (E110) and Thursday 3:30 PM – 5:20 PM (E110)

ENVR 140-002: Tuesday 1:30 PM – 3:20 PM (E110) and Thursday 1:30 PM – 3:20 PM (E110)

Tutorial times: will be scheduled on an as needed basis.

*Attendance to every class is mandatory. Please notify me if you will not be able to attend a class, as attendance will form 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.*

## 5. Basis of Student Assessment (Weighting)

- (a) Assignments (25%): Term project mapping assignment. Assignments submitted after the due date will have marks deducted at a rate of 10% per day. All assignments must be typed.
- (b) Quizzes (40% (4 x 10% each)): There will be four in-class quizzes. If you do not attend and do not contact the instructor prior to the quiz, you will be given a 'zero'. Extra time will not be given unless previously arranged.
- (c) Exams (30%): A final exam (written and practical) will be scheduled during exam period.
- (d) Instructors Assessment (5%): Based on attendance and class participation. Full attendance at lab sessions is mandatory each unexplained absence will result in the loss of 'instructor assessment' marks.

## 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.