



CAMOSUN COLLEGE
School of Arts & Science
Department of Environmental Technology

ENVR-240-002
Environmental GIS Applications
Winter 2019

COURSE OUTLINE

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.

1. Instructor Information

| | | | |
|------------------|---|--------------|-----|
| (a) Instructor | Steve Hann | | |
| (b) Office hours | Monday and Wednesday 12:30-13:30; 17:30 to 18:30; or by appointment | | |
| (c) Location | F 314D | | |
| (d) Phone | 250-686-4569 | Alternative: | N/A |
| (e) E-mail | hann@camosun.bc.ca | | |
| (f) Website | N/A | | |

2. Intended Learning Outcomes

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

1. Apply the basic concepts in digital geomatics, including concepts in GIS, digital mapping and database systems and digital remote sensing.
2. Handle spatial and remote sensing data through the application of GIS software.
3. Apply data management, data conversion, spatial and attribute editing, and GIS analysis, to GIS scenarios that focus on environmental situations.
4. Create maps that include proper cartographic components and display spatial data in a concise and creative manner.
5. Write supporting documentation and metadata to accompany analytical procedures.
6. Use GIS data and maps in visual presentations and use the Internet to search for data.

3. Required Materials

- (a) Texts
Text: Getting to know ArcGIS for Desktop – 4th ed. for ArcGIS 10.6, Michael Law & Amy Collins

- (b) Other
8GB flash drive

4. Course Content and Schedule

Class/Lab times:

Sec 002 200 Monday and Wednesday 1:30PM to 3:20PM

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

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 previous 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 (75%): There will be 6 to 8 assignments worth between 5% and 20% of your final grade

Assignments handed in late will have marks deducted at a rate of 10% per day. All assignments must be typed, unless stated otherwise.

(b) Quiz (20%): There will be one in-class spatial analysis quiz.

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 (n/a): There is no final exam for this course

(d) Instructors Assessment (5%): Based on attendance, and class participation

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. |