



COURSE OUTLINE

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

Ω Please note: the College electronically stores this outline for five (5) years only. It is **strongly recommended** you keep a copy of this outline with your academic records. You will need this outline for any future application/s for transfer credit/s to other colleges/universities.

1. Instructor Information

Instructor:	Emrys Prussin	
Office Hours:	Fisher 344D: Wednesdays 12:30 – 1:30 and Fridays 1:30 – 2:30	
Location:	Lecture Room: Fisher 338	Lab Room: Ewing 100
Email:	PrussinE@camosun.bc.ca	
D2L Website:	http://online.camosun.ca/	

Office Hours: If you would like to meet to discuss anything pertaining to the course catch me after class or during labs, during my office hours, or simply arrange an appointment by e-mail and I'll be very pleased to meet with you at a mutually convenient time.

2. Intended Learning Outcomes

On completion of the course students should be able to:

- a. Describe basic concepts in mapping, including geo-referencing, scale, projection and map interpretation
- b. Differentiate between different types of maps
- c. Analyze GIS data and metadata to interpret digital maps
- d. Use GIS software to solve geographic problems and produce digital maps

3. Course Materials

Every week there will be readings to do and these will enhance your understanding of course topics. They are required and will compliment lectures and labs give a deeper understanding of course material.

a. Textbook (required)

Ian Heywood. 2011. *An Introduction to Geographical Information Systems*. Customized 4th edition, Prentice Hall.

Available in the bookstore and library.

The Heywood text provides additional student resources at the website http://wps.pearsoned.co.uk/ema_uk_he_heywood_intro_GIS_4/. Click *Student Resources*. In particular, students are encouraged to use the multiple-choice questions to test their understanding of the concepts introduced in each chapter.

b. Course Manual (required)

Available in the bookstore.

c. Desire to Learn - D2L

This is where students can find the course outline, lecture slides, quizzes, project information and the calendar of upcoming events for our class. It can be found at:

<https://online.camosun.ca/d2l/home>.

4. Course Content and Schedule

Lectures: Wednesday 10:30 AM – 12:20 PM, Fisher 338

Labs: Friday 10:30 AM – 1:20 PM, Ewing 100

Week	Week of	Class	Lab	Assignment	Reading
1	06-Sep	Introduction	Introduction to ArcGIS	None	None
2	12-Sep	Geographic Tools and Inquiry	Geographic inquiry; community mapping	Mental mapping	Chapter 1
3	19-Sep	Spatial Data Concepts 1	Maps - working with spatial concepts	Spatial data concepts 1	Chapter 2
4	26-Sep	Spatial Data Concepts 2	Working with topographic maps	Spatial data concepts 2	Chapter 2
5	03-Oct	Quiz 1	Geocaching	None	None
6	10-Oct	Spatial Data Modelling	Working with vector and raster data models	Spatial data modelling	Chapter 3
7	17-Oct	Working with Spatial and Attribute Data	Exploring data with maps - part 1	Working with spatial and attribute data	Chapter 4, 5
8	25-Oct	Making Maps	Exploring data with maps - part 2	Map making	None
9	31-Oct	Quiz 2	Exploring data with maps - part 3	None	None
10	07-Nov	Data Analysis	Data analysis 1: Query, buffer, surface analysis, interpolation	Data analysis	Chapter 6
11	14-Nov	Projects, getting started	Data Analysis 2: Working with overlay	None	None
12	21-Nov	Maps and Decision Making	Quantitative spatial analysis and mapping: Working with thematic maps	Map critique	Chapter 7
13	28-Nov	Quiz 3	Projects	None	None
14	05-Dec	Projects	Projects	None	None

5. Basis of Student Assessment (Weighting)

Evaluation is based on a series of quizzes, lab and class assignments and a project.

Quizzes: Quizzes examine understanding of key concepts introduced in the course. Their purpose is to encourage review of course material, and provide feedback to students on their understanding of concepts. Quizzes are based on a mastery model of learning. Students have the opportunity to take a quiz multiple times to improve their understanding of the material. The three quizzes are taken on D2L.

Lab and class exercises: Each week class assignments and lab exercises are introduced to reinforce understanding of course concepts and their application to practice. Unless otherwise stated, class assignments and lab exercises are due the following week.

Project: Students use ArcGIS software in problem solving. The project is due last class of the semester.

Labs/Assignments	65%
Project	20%
Quizzes	15%

Late labs and assignments will have a 5% penalty for up to 3 days; 10% penalty for 4 to 7 days, and those more than one week late will not be accepted.

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 ^d 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 the College web site in the Policy Section.