



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

(a)	Instructor:	Hilary Sandford		
(b)	Office Hours:	Monday and Wednesday, 1:20-2:20		
(c)	Location:	Paul 233		
(d)	Phone:	370-3372	Alternative Phone:	
(e)	Email:	sandford@camosun.bc.ca		
(f)	Website:			

2. Intended Learning Outcomes

(No changes are to be made to these Intended Learning Outcomes as approved by the Education Council of Camosun College.)

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

1. Demonstrate a knowledge of the principles behind spatial data collection, geo-referencing systems, map interpretation, map and graph construction.
2. Demonstrate an ability to collect and handle spatial data through working with map files, working with air photos, critiquing and constructing maps and graphs.

3. Required Materials

(a) Texts Map Use and Analysis by John Campbell, McGraw Hill Publishing - 4th Edition, 2001.

*The purchase of this textbook is **OPTIONAL** for this course.*

(b) Other: a lab manual is available for purchase in the bookstore or is available on the course D2L site.

4. Course Content and Schedule

This course is designed to introduce students to the practical skills of map use and aerial photography interpretation. The theory of map construction and the conventions of map design will be discussed in class; the principles of map symbol interpretation will be introduced and practiced in a laboratory setting. Overhead and oblique aerial photographs will be viewed, stereoscopically where appropriate, and students will learn basic feature identification using these visual images. The mechanics and constraints of this data collection technique will be briefly explored and the conventions of presentation will also be discussed.

Lectures: There will be two-and-a-half hours of lecture a week, normally on Tuesdays. The blackboard will be heavily utilized and overheads and images will augment the traditional lecture style.

Labs: There are thirteen labs in the course. Each lab contains exercises to familiarize students with the tools and techniques of map and air photo interpretation. A variety of different map types will be used and a full range of natural and social features will be profiled in the laboratory assignments. Attendance during lab periods is mandatory. In the case of illness, the instructor must be contacted prior to the class time and an alternate arrangement must be made; otherwise, a mark of zero will be assigned. Assignment due dates will be determined in class and late labs will not be accepted.

Midterm Exam: One midterm exam will be given during the term. It will be held on **Thursday, October 21st** and will be a selection of short-answer, multiple-choice, and skill-based questions. A practice exam will be provided for preparation purposes.

Final Exam: There will be a three-hour final exam during Exam Week. This exam will be comprehensive, requiring students to demonstrate knowledge of the important concepts and essential skills presented and acquired during the semester.

COURSE SCHEDULE

schedule is subject to change

<u>Week of:</u>	<u>Tuesday Topic</u>	<u>Thursday Topic</u>
Sept 7	Course Introduction	Lab 1 – Mental Maps
Sept 14	Map Types and Elements	Lab 2 – Map Types
Sept 21	Mapping Conventions	Lab 3 – Topographic Maps
Sept 28	Mapping Conventions	Lab 4 – UTM
Oct 5	Map Projections	Lab 5 – Compass & Pace
Oct 12	GPS	Lab 6 – GPS
Oct 19	<i>Review Class</i>	MIDTERM
Oct 26	Lab 7 – Geocaching	Lab 8 – Traverse - Horizontal
Nov 9	Vertical Surveying	Lab 9 – Traverse - Vertical
Nov 15	Ground Surveying	Lab 10 – Traverse - Mapping
Nov 22	Air Photo History	Lab 11 – Air Photo #1
Nov 30	Air Photo Interpretation	Lab 12 – Air Photo #2
Dec 7	Photogrammetry	Lab 13 – Air Photo #3

5. Basis of Student Assessment (Weighting)

Midterm Exam	20%
Lab Exercises	50%
Final Exam	<u>30%</u>
	100%

6. Grading System

(No changes are to be made to this section unless the Approved Course Description has been forwarded through the Education Council of Camosun College for approval.)

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. <i>(For these courses a final grade will be assigned to either the 3rd course attempt or at the point of course completion.)</i>
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.

ADDITIONAL COMMENTS AS APPROPRIATE OR AS REQUIRED