



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:	Tuesday and Thursday 10:30-11:30		
(c)	Location:	F342D		
(d)	Phone:	250-370-3250	Alternative Phone:	
(e)	Email:	sandford@camosun.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. Apply the core concepts of field surveying to enable accurate data collection.
2. Collect, correct and process field surveying data to ensure both accuracy and precision.
3. Use a variety of survey collection equipment with proficiency.

3. Required Materials

(a) Texts:

There is no official textbook for this course as it is designed with a hands-on-learning curriculum. With that said, there are a number of electronic textbooks available on the web for you to consult and there are two textbooks on reserve in the library if you need further clarification.

I have also asked the Camosun Bookstore to bring in a limited number of copies of Surveying – 6th Edition by Jack McCormac, Wayne Sarasua and William Davis for those of you who would like to have a life-long resource for this material.

(b) Lab Manual: A lab manual is required for the course and is available electronically on the course D2L site.

4. Course Content and Schedule

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

Labs: There are eleven labs in the course. Each lab contains exercises to familiarize students with the tools and techniques of field surveying. A variety of different measurement techniques and surveying protocols will be practiced during the lab period. Attendance 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 lab submissions will not be accepted after marked assignments have been returned.

Mapping Project: You will be asked to participate in a team-based mapping project. I will assign you to a group and you will be asked to map a region of the campus using the skills you have gained in the course.

<u>Week of:</u>	<u>Wednesday</u>	<u>Friday</u>
Jan 5	Course Introduction	Lab 1 – Measurement
Jan 12	Coordinate Systems	Lab 2 – Coordinates
Jan 19	Map Features	Lab 3 – Azimuths & Bearings
Jan 26	Distance Measurement	Unit Test #1
Feb 2	Measurement Correction	Lab 4 – Compass and Pace
Feb 9	Lab 5 – Proportion-to-Station	<i>Reading Break</i>
Feb 16	Lab 6 – Latitude & Departures	Lab 6 – Latitude & Departures
Feb 23	Global Positioning	Unit Test #2
Mar 2	Lab 7 – GPS	Lab 8 – GPS - Data Logging
Mar 9	Differential Leveling	Lab 9 – Stadia and Differential Leveling
Mar 16	Lab 10 – Total Stations	Lab 10 – Total Stations
Mar 23	Lab 11 – Contouring	Mapping Project
Mar 30	Unit Test #3	<i>Good Friday</i>
Apr 6	Mapping Project	<u>Mapping Project Due</u>

5. Basis of Student Assessment (Weighting)

(This section should be directly linked to the Intended Learning Outcomes.)

Unit Test #1	15%
Unit Test #2	15%
Unit Test #3	15%
Lab Exercises	44%
Mapping Project	<u>11%</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 3^d 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