

## 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:	M W 10-11:30		
(c)	Location:	Paul 233		
(d)	Phone:	370-3372	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) Lab Manual: A digital series of lab exercises will be available electronically through D2L

### 4. Course Content and Schedule

(This section can include: class hours, lab hours, out of class requirements and/or dates for quizzes, exams, lectures, labs, seminars, practicums, etc.)

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

Labs: There are twelve 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 late labs will not be accepted.

Exams: There is one Midterm Exam on **Monday, February 25<sup>th</sup>** and a Final Exam to be scheduled during the College-wide exam period. Attendance during both exam is mandatory and in the case of illness, a comprehensive doctor's note will be required.

### COURSE SCHEDULE

\*schedule is subject to change\*

<u>Week of:</u>	<u>Monday</u>	<u>Wednesday</u>
Jan 7	Course Introduction	Lab 1 – Measurement
Jan 14	Coordinate Systems	Lab 2 – Coordinates

Jan 21	Map Features	Lab 3 – Azimuths & Bearings
Jan 28	Distance Measurement	Lab 4 – Compass and Pace
Feb 4	Measurement Correction	Lab 5 – Proportion-to-Station
Feb 11	<i>Family Day</i>	Lab 6 – Latitude and Departures
Feb 18	<i>Review Class</i>	<i>Reading Break</i>
Feb 25	<b>Midterm Exam</b>	Lab 7 – GPS
Mar 4	Global Positioning	Lab 8 – Geocaching
Mar 11	Differential Leveling	Lab 9 – Stadia and Differential Leveling
Mar 18	Vertical Controls	Lab 10 – Total Stations
Mar 25	Precision Contouring	Lab 11 – Total Stations - Contouring
Apr 1	<i>Easter Monday</i>	Lab 12 – Loop Traverse –Mapping
Apr 8	Projects Due	Review Class

### 5. Basis of Student Assessment (Weighting)

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

Midterm Exam	25%
Final Exam	27%
Lab Exercises	<u>48%</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](http://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.

<b>IP</b>	<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<sup>rd</sup> course attempt or at the point of course completion.)</i>
<b>CW</b>	<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](http://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](#)