



COURSE OUTLINE

The course description is online @ <http://camosun.ca/learn/calendar/current/web/anth.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:	Dr. Vic Levson		
(b)	Office Hours:	1:00-2:30 PM Tuesday (or by appointment)		
(c)	Location:	Fisher 344D		
(d)	Phone:	250-370-3506		
(e)	Email:	vlevson@telus.net		
(f)	Website:	www.mhhe.com/earthsci/geography/campbell4e		

2. Intended Learning Outcomes

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

1. Discuss the theories and methods of geo-location, the historical context of mapping, and the application of digital technologies in present-day cartography and aerial photography.
2. Apply the principles behind map navigation, ground surveying, and air photo interpretation in practical simulations.
3. Handle a wide variety of navigational and survey tools with enough proficiency to produce valuable data results

3. Required Materials

TEXTBOOK: Map Use and Analysis by John Campbell, McGraw Hill Publishing - 4th Edition, 2001.

*The purchase of this textbook is **REQUIRED** for this course. To reduce the cost, the relevant chapters from the text have been selected and McGraw-Hill has prepared a digital abbreviated version of the textbook for your use. Go to www.mcgrawhillcreate.com and scroll to the bottom of the screen. From there, click on McGraw Hill Bookstore and change the country to Canada. Find Camosun Lansdowne on the list and then find the book.

4. Course Content and Schedule

COURSE DESCRIPTION:

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 hours of lecture a week, on Mondays from 10:30-12:20. 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.

The tentative course schedule is provided on the next page.

TENTATIVE COURSE SCHEDULE

schedule is subject to change

<u>Week of:</u>	<u>Monday Topic</u>	<u>Textbook Reading</u>	<u>Wednesday Lab</u>
Jan 7	Course Introduction	Chapter 1 – Intro	Lab 1 – Mental maps
Jan 14	Map Types and Elements	Chapter 2 – Basic Mapping	Lab 2 – Map Elements and Types
Jan 21	Map Projections	Chapter 3 – Map Projections	Lab 3 – Topographic Maps: Scale, Distance, Latitude & Longitude
Jan 28	Mapping Conventions 1	Chapter 4 – Locational and Land Partitioning Systems	Lab 4 – UTM and Locational Systems
Feb 4	Mapping Conventions 2	Chapter 5 – Map scales	Lab 5 – Compass and Pace
Feb 11	Family Day – no class	Chapter 7 (pages 109-111) - GPS	Lab 6 – GPS
Feb 18	Mid Term	Chapter 6 – Measuring from maps	Lab 7 – Geocaching maps
Feb 25	Ground Surveying	Chapter 7 – Route Selection and Navigation	Lab 8 – Traverse - Horizontal
Mar 4	Vertical Surveying and Mapping	Chapter 8 – Terrain Representation	Lab 9 – Traverse - Vertical
Mar 11	Air Photo Interpretation	Chapter 9 – Contour Interpretation	Lab 10 – Traverse - Mapping
Mar 18	Photogrammetry	Chapter 16 – Remote Sensing from Airborne Platforms	Lab 11 – Air Photo #1
Mar 25	Satellite Data	Chapter 17 - Remote Sensing from Space	Lab 12 – Air Photo #2
Apr 1	Easter Monday – no class	Review readings	Lab 13 – Air Photo #3
Apr 8	Review Class	Review readings	

5. Basis of Student Assessment (Weighting)

(a) **Lab Assignments (50%).** There are thirteen labs in the course worth 2-5% each, depending on difficulty. 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

(b) **Midterm Exam (20%)** – the midterm exam will be held in class on **Monday February 18th** and will be worth 20% of the course total. The exam will offer a selection of short-answer, multiple-choice, and skill-based questions.

- (c) **Final Exam (30%)** – The final exam will cover all of the course material and will be worth **30%** of the course total. The final will follow the same format as the midterm.

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 rd 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.

ADDITIONAL COMMENTS AS APPROPRIATE OR AS REQUIRED