

	<p><b>School of Arts &amp; Science</b>  <b>SOCIAL SCIENCES DEPARTMENT</b></p> <p><b>GEOG 210-001</b>  <b>Map and Air Photo Interpretation</b>  <b>2007F</b></p>
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## COURSE OUTLINE

The Approved Course Description is available on the web @ \_\_\_\_\_

Ω Please note: this outline will be electronically stored for five (5) years only.  
It is strongly recommended students keep this outline for your records.

### 1. Instructor Information

(a)	Instructor:	Hilary Sandford		
(b)	Office Hours:	M 10:30-12:30; Th 9:30-10:30		
(c)	Location:	Fisher 308B		
(d)	Phone:	370-3372	Alternative Phone:	
(e)	Email:	sandford@camosun.bc.ca		
(f)	Website:	www.sandford.disted.camosun.bc.ca		

### 2. Intended Learning Outcomes

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	<u>Map Use and Analysis</u> by John Campbell, McGraw Hill Publishing - 4 <sup>th</sup> Edition, 2001.
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### 3. Course Content and Schedule

## COURSE CONTENT

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

Labs: There are fifteen 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.

Midterm Exam: One midterm exam will be given during the term. It will be held on **Tuesday, October 16<sup>th</sup>** 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 Lecture Topic</u>	<u>Thursday Lab Topic</u>
<b>Sept 4</b>	<b>Introduction</b>	<b>Lab 1 - Mental Maps</b>
Sept 10	Map Types and Elements	Lab 2 - Map Types
Sept 17	Mapping Conventions	Lab 3 - Topographic Maps
Sept 24	Mapping Conventions	Lab 4 - UTM
Oct 1	Map Projections	Lab 5 – Compass & Pace
<b>Oct 8</b>	<b>Review Class</b>	<b>Lab 6 – GPS</b>
<b>Oct 15</b>	<b>MIDTERM</b>	<b>Lab 7 – Geocache Field Trip</b>
Oct 22	<i>Mapping</i>	<i>Lab 8 – Vertical Surveying</i>
<b>Oct 29</b>	<b>Mapping</b>	<b>Lab 9 – Traverse Route</b>
Nov 5	Air Photo History	Lab 10 – Traverse Mapping
<b>Nov 12</b>	<b>Spectral Signatures</b>	<b>Lab 11 – Air Photo #1</b>
<b>Nov 19</b>	<b>Photogrammetry</b>	<b>Lab 12 – Air Photo #2</b>
<b>Nov 26</b>	<b>Remote Sensing</b>	<b>Lab 13 – Air Photo #3</b>
Dec 3	Lab 14 - Satellite Imagery	Review Class

## 5. Basis of Student Assessment (Weighting)

(Should be linked directly to learning outcomes.)

(a)	Lab Exercises	50%
(b)	Midterm	20%
(c)	Final Exam	30%

## 6. Grading System

(No changes are to be made to this section, unless the Approved Course Description has been forwarded through EDCO 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.
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 <sup>rd</sup> 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](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 on the College web site in the Policy Section.