

**CAPILANO UNIVERSITY
COURSE OUTLINE**

TERM:	FALL 2017	COURSE NO:	GEOGRAPHY 221
INSTRUCTOR:		COURSE NAME:	MAPPING OUR CHANGING WORLD
OFFICE:	LOCAL:	SECTION NO(S):	CREDITS: 4
E-MAIL:			
OFFICE HOURS:			

COURSE FORMAT:

Three instructional hours per week, two lab hours per week, and an additional hour delivered through other activities, per week for a 15-week semester. This includes two weeks for final exams.

COURSE PREREQUISITES:

None.

COURSE DESCRIPTION:

Maps are an essential tool for conveying geographic information, and are also useful for other disciplines that rely extensively on maps and satellite images, such as environmental studies, forestry, geology, archaeology, history, and tourism. This course covers the basic principles of map and photo interpretation, surveying and satellite imaging, and analyses both human and physical landscapes.

STUDENT LEARNING OUTCOMES:

After completing this course students will be able to:

- apply the basic principles of mapping and map analysis to real life mapping exercises
- interpret phenomena presented on various types of maps and remotely sensed products
- calculate distance, direction, and gradient on various types of maps and remotely sensed products
- demonstrate techniques used to analyze maps and remotely sensed images
- use the techniques learned in class to select and analyze data in a research topic

REQUIRED TEXT:

Selected readings.

COURSE CONTENT:

Week	Content
1	Introduction
2	Map history, Latitude/Longitude, Scale
3	Projections
4	Topographic maps
5	Thematic maps
6	Thematic maps
7	Field mapping
8	Field mapping
9	Introduction to remote sensing
10	Air photos
11	Near and far infrared
12	Radar
13	Google maps
14/15	FINAL EXAM PERIOD

EVALUATION PROFILE:

Lab Assignments.....	30%
Term Project.....	15%
Midterm Exam*	20%
Final Exam*	25%
4 th hour*	10%
Total	100%

Note: A passing grade (50% or more) is required on the lab portion of the course for the student to obtain a passing grade for the entire course. The lab portion includes the lab assignments in addition to the term project. Students must also have a passing grade (50% or more) in the lecture portion* in order to pass this course.

Further information about the midterm and final exams will be provided in class. Detailed instructions for the assignments, including the fourth hour assignment, will be given as handouts.

GRADING PROFILE:

A+ = 90 - 100%	B+ = 77 - 79%	C+ = 67 - 69%	D = 50 - 59%
A = 85 - 89%	B = 73 - 76%	C = 63 - 66%	F = 0 - 49%
A- = 80 - 84%	B- = 70 - 72%	C- = 60 - 62%	

OPERATIONAL DETAILS:

Capilano University has policies on Academic Appeals (including appeal of final grade), Student Conduct, Cheating and Plagiarism, Academic Probation and other educational issues. These and other policies are available on the University website.

Attendance: Regular attendance is essential to success in this class. When students are absent from class, they are still responsible for the material covered during their absence, including announcements, assigned readings, lecture and lab material. Several of the lectures and labs will include the use of materials that are not available outside of class time.

Late Assignments: Late assignments will be accepted, but for every day that an assignment is late 10% of the total possible points will be deducted.

Missed Exams: Students who are unable to write an exam must have an acceptable excuse and are expected to contact the instructor before the exam. The exam must be completed as soon as possible after returning to class.

Incomplete Grades: Grades of Incomplete “I” will be granted only if there is a valid reason for extending the evaluation deadline and if the student has a reasonable chance of improving their grade to pass the course.

English Usage: Students are responsible for proof-reading all written work for any grammatical, spelling and stylistic errors. The Writing Centre (4th Floor Fir) is a good resource if you need assistance.

Cheating/Plagiarism: Plagiarism is the presentation of another person’s work or ideas as if they were one’s own. Plagiarism is both dishonest and a rejection of the principles of scholarship. Information about how to avoid plagiarism by proper documentation of sources is available from the Library and the Writing Centre. All students should familiarize themselves with the *University Policy on Cheating and Plagiarism* (See the *University Website*).

Electronic Devices:

No personal electronic devices can be used during lectures, labs, tests or exam unless specified by the instructor. Please have them turned off during class time.

Emergency Procedures:

Please read the emergency procedures posted on the wall of the classroom.