

GEOG205

Cartography and Geomatics

Course: Roger Wheate email: wheate@unbc.ca 8-307
Lectures: Monday/Wednesday 11:30 – 12:20pm
Lab SLI: Matt McLean email: matt.mclean@unbc.ca
Lab TA: Jose Aragon email: aragon@unbc.ca
Labs: Wed 08.30 (8) ; Wed 14.30 (15) ; Friday 8.30 (11)

DATE	TOPICS	LABS
January		
04/08/20	Extra week break	
01/11/15	Introduction; Map basics	<i>Lab 0: Intro to Lab software</i>
18-22	Coordinates; Data input	<i>Lab 1: Topographic Maps / Data</i>
25-29	Generalisation; Symbolisation	<i>Lab 2: Data input</i>
February		
1--5	Lettering; Ancillary info	<i>Lab 3 Symbolization-output</i>
8--12	<i>Thematic maps: Points, lines, areas</i>	<i>Lab 4: Thematic maps quiz</i>
15-19	Reading Week – no classes	No Labs
22-26	Figure-Ground; <i>Midterm1 (15%)</i>	<i>Lab 5: Thematic maps</i>
March		
1-5	Relief depiction; DEMs	<i>Lab 6: Relief – DEMs</i>
8-12	Remote sensing; Satellite images	<i>Lab 7: Google Earth</i>
15-19	Map projections; types and GIS	<i>Lab 8: Web mapping</i>
22-26	Map Projects; mountain cartography	<i>Lab 9: Project – data assembly</i>
Mar29-Apr1	History of cartography; Digital age	<i>No Friday lab (Easter)</i>
April		
6-9	GPS	<i>Lab 10: Project – data / design</i>
12--16	Course summary / <i>Midterm2 (10%)</i>	<i>Lab 12: Project – complete map</i>
19	Last day of classes	<i>no final scheduled exam</i>

COURSE EVALUATION

Labs: 40% assignments from labs (~5% each)
Quiz es 10% Take home quiz 5% x 2
Mid-terms: 25% Feb **24** / April **14** – 15% and 10%
Map project 25% due April 19 [Outline](#)

REFERENCES: NO required text – library books on Cartography, and selected webpages

Lab / lecture notes: <http://gis.unbc.ca/courses/geog-205>

Atlas of Canada: <http://atlas.nrcan.gc.ca>

BC iMap <http://maps.gov.bc.ca/ess/hm/imap4m/>

Selected webpages For pre-midterm lecture topics

Introduction/map data <https://tmackinnon.com/cartography>

Coordinates (UTM) https://www.for.gov.bc.ca/hra/Plants/IAPP_training/UTM_system_intro.pdf

Ancillary information http://www.wvu.edu/huxley/spatial/tut/what_all_maps_must_have.htm

Thematic maps (P4-5) <https://knightcenter.utexas.edu/mooc/CartographyForJournalists.pdf>