GEOG205   Cartography and Geomatics, Winter 2025

Course: Roger Wheate (8-307) *wheate@unbc.ca* or roger.wheate@unbc.ca
Lectures: Tuesday/Thursday 9:00 – 9:50 am; 7-158
Labs: Emily Bornestig: *emily.bornestig@unbc.ca*
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          Tuesday 15:00-17.50 (3); Wednesday 11.30-14.20 (2) / Friday 11.30-14.20 (1)

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

DATE	TOPICS	LABS
January		
Jan 6-10	Introduction; Map basics	
13-17	Map Coordinates; Data input	*Lab 1: Intro to mapping software*
20-24	Generalization; Symbolization,	*Lab 2: Topographic Maps / Data*
27-31	Lettering; Ancillary info	*Lab 3: Data input*
February		
Feb 3-7	Thematic maps- Points; Lines/Areas	*Lab 4: Symbolization-output*
10-14	Relief depiction; *Midterm (15%)*	*Lab 5: Thematic maps*
17-21	***Reading Week – no classes***	***No Labs***
24-28	DEMs; GPS	*Lab 6: Relief – DEMs*
March		
Mar 3-7	Remote sensing; Satellite images	*Lab 7: Web mapping*
10-14	Map projections; types and GIS	*Lab 8: Google Earth*
17-21	Mountain cartography; Projects	*Lab 9: Project – data assembly*
24-28	History of cartography*;* Digital age	*Lab 10: Project – data / design*
31-April 4	Course review; *Midterm2 (10%)*	*Lab 11: Project – complete map*
April		
7-11	*April 4 =* Last day of classes	*Projects due April 7*
8-17	*no final exam in exam period*	

COURSE EVALUATION

Labs: 35%   Lab assignments   (7 x 5% each)

Quizzes   15%   Take home quiz: Jan 16; Feb 6; Mar 13   [3 x 5%]

Mid-terms: 25%   Feb 13 / April 3 (15% / 10%)

Map project   25%   due April 7

REFERENCES: NO required text – see library books / websites on Cartography / mapping
Selected webpages   General and pre-midterm lecture topics

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

GIS/mapping data: https://canadiangis.com
Ancillary information   http://www.wwu.edu/huxley/spatial/tut/what_all_maps_must_have.htm
PGmap online: https://pgmap.princegeorge.ca/Html5Viewer/index.html?viewer=PGMap
BC iMap: https://maps.gov.bc.ca/ess/hm/imap4m/
Thematic Mapping: https://geographyfieldwork.com/DataPresentationMappingTechniques.htm