GEOG205   Cartography and Geomatics, Winter 2024

Course: Roger Wheate (8-307) *wheate@unbc.ca* or roger.wheate@unbc.ca
Lectures: Monday/Friday 8:30 – 9:20pm; 10-4034
Lab SLI: Matt McLean :   *matt.mclean@unbc.ca*

Lab TA: Emily Bornestig: *emily.bornestig@unbc.ca*   Dinesh Bhatt: *dbhatt@unbc.ca*
Wednesday/Thursday 8.30-11.20; Friday 11.30 -14.20

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

DATE	TOPICS	LABS
January		
Jan 5	Introduction;	NO LABS
8-12	Map basics; Map Coordinates	*Lab 1: Intro to mapping software*
15-19	Data input; Generalisation;	*Lab 2: Topographic Maps / Data*
22-26	Symbolisation; Lettering;	*Lab 3: Data input*
February		
Jan 29-Feb 2	Ancillary info; Thematic maps: Points	*Lab 4: Symbolization-output*
5-9	Thematic-lines, areas; Relief depiction	*Lab 5: Thematic maps*
12-16	Digital Elevation Models*; Midterm (15%)*	*Lab 6: Relief – DEMs*
19-23	***Reading Week – no classes***	***No Labs***
March		
Feb 26-Mar1	Remote sensing; satellite images	*Lab 7: Web mapping*
4-9	Mountain cartography; Projects	*Lab 8: Google Earth*
11-15	Map projections; types and GIS	*Lab 9: Project – data assembly*
18-22	History of cartography*;* Digital age	*Lab 10: Project – data / design*
25-28	GPS / (Easter Friday)	*Lab 11: Project – complete map*
April		
2-5	(Easter Monday) course summary review	*Friday lab section – complete map*
8-9	*Midterm2 – April 9th (10%)*	*April 9 = Last day of classes*
10-20 Exams	*Projects due April 6*	*no final exam in exam period*

COURSE EVALUATION

Labs: 35%   Lab assignments   (5% each)

Quizzes   15%   Take home quiz – Feb 3 (8th); Feb 17 (Mar 2nd); Mar 17 (22nd)   3 x 5%

Mid-terms: 25%   Feb 16 / April 9 (15% / 10%)

Map project 25%   due April 6

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