GEOG205 Cartography and Geomatics

Course: Roger Wheate (8-307) email: wheate@unbc.ca or roger.wheate@unbc.ca
Lectures: Wednesday/Friday 10:30 – 11:20pm; 5-154
Lab SLI: Matt McLean email: matt.mclean@*unbc.ca*
Labs: Tues 11.30-14.20; TA: Jose Aragon: aragon@unbc.ca
Friday 11.30 -14.20; TA: Rulan Xiao: xiaor@unbc.ca

DATE	TOPICS	LABS
January		
Jan 5-7	Introduction; Map basics	NO LABS
10-14	Map Coordinates; Data input	*Lab 1: Intro to Lab software*
17-21	Generalisation; Symbolisation	*Lab 2: Topographic Maps / Data*
24-28	Lettering; Ancillary info	*Lab 3: Data input*
February		
Jan 31-Feb 4	Thematic maps: Points, lines, areas	*Lab 4: Symbolization-output*
7-11	Relief depiction; DEMs	*Lab 5: Thematic maps*
14-18	Figure-Ground; *Midterm (15%)*	*Lab 6: Relief – DEMs*
21-25	***Reading Week – no classes***	***No Labs***
March		
Feb 28-Mar4	Remote sensing; satellite images	*Lab 7: Google Earth*
7-11	Projects; mountain cartography	*Lab 8: Web mapping*
14-18	Map projections; types and GIS	*Lab 9: Project – data assembly*
21-25	History of cartography*;* Digital age	*Lab 10: Project – data / design*
Mar28-Apr1	GPS / course summary review	*Lab 11: Project – complete map*
April		
4-7	*Midterm2 – April 6th (10%)*	*April 7* = Last day of classes
8-22 Exams	*Projects due April 8*	*no final scheduled exam*

COURSE EVALUATION

Labs:	35%	assignments from labs	(~5% each)
Quizzes	15%	Take home quiz (Jan 12, Feb 4, Mar **18**)	3 x 5%
Mid-terms:	25%	Feb 18 / April **6** (15% and 10%)	
Map project	25%	due April 8	

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

Lab / lecture notes: http://gis.unbc.ca/courses/geog-205
Link for labs/lectures https://unbc.zoom.us/j/65725947189
Meeting ID 657 2594 7189 Passcode: 044201

Selected webpages	*For pre-midterm lecture topics*
Introduction/map data	https://tmackinnon.com/cartography
Coordinates (UTM)	https://testwww.for.gov.bc.ca/hra/Plants/IAPP_training/UTM_system_intro.pdf
Ancillary information	http://www.wwu.edu/huxley/spatial/tut/what_all_maps_must_have.htm