GEOGRAPHY 2211 - MAP AND AIR PHOTO INTERPRETATION
Winter 2013

Instructor:	Dr. Bradley A. Wilson	
Office:	RC - 2006A	
Office Hours:	**Mondays:**	10:30 - 11:15am and 12:30 - 1:30pm,
	Wednesdays:	10:30 – 11:15am,
	Fridays:	11am-12:45pm,
		otherwise, please make an appointment

TEXTBOOKS:	**Required:**	2211 Resource Package and Lab Materials (in bookstore) Additional readings on 2-hour reserve in Library
	Suggested:	How to Lie with Maps, Monmonier Interpretation of Aerial Photographs, Avery & Berlin Goodes World Atlas

CLASS SCHEDULE:	Lectures:	MW 11:3Oam – 12:20pm, RB-1042
	Labs:	times vary (please attend your specific lab section)
	Lab Instructor:	Jason Freeburn, RC – 2004
	Lab Location:	RC - 2003

GRADING:	*Midterm Exam:	20%	**(Wednesday, Feb. 13)**
	*Map Exam:	7%	(**week of Feb. 25 during lab time**)
	*Final Exam:	35%	(**TBA**)
	**Lab exercises:	38%	(8 labs, % varies)

Exams and labs will not only test your knowledge about this subject, but will test your writing and communications skills. Most labs require a <u>typed lab</u> report to be submitted for grading. Your ability to write clearly and concisely will in large part determine your overall mark in this class.

*Absences from illness, compassionate reasons or representing the university off-campus, supported by written documentation, will be accepted as sufficient evidence to allow a rewrite of a missed test or an extension on an assignment. **Missed tests for any other reason, including undocumented illness, may be made up at a date and place to be determined. This test will consist of full-length essay questions and will be tougher than the original**. Extensions will not be allowed for assignments, other than for legitimate reasons supported by written documentation. All other late assignments will lose 10% of the available mark for each day late.

****Please read the rules on plagiarism**, these are online…go to the LU Calendar, then University Regulations, and then to Academic Dishonesty.

COURSE DESCRIPTION:

This techniques course focuses on map construction and interpretation techniques, and air photo acquisition, interpretation, and photogrammetry using vertical air photos. Various applications will be explored through lectures and practical lab exercises.

LECTURE OUTLINE:

Week#	Topic	Library Reading or Revision Sheets in Course Manual
1	Map appreciation Coordinate Systems	Geodesy, The Canadian Topographic System
2	Types of maps ***(Lab 1 – 3%)***	Rectangular Land Surveys
3	Map Projections ***(Lab 2 – 5%)***	Projections, Horizontal location and distances
4	Map making ***(Lab 3 – 5%)***	**Library Reserve**: How to Lie with Maps, (chapter 3) Monmonier, 1996
5	Interpreting Maps ***(Lab 4 – 5%)***	
6.	Navigation and Orienteering **MIDTERM EXAM (Feb. 13)**	Triangulation
Reading Week – Feb 18-22		
7.	Air Photo Acquisition Photogrammetry 1 ***(Map Exam during lab period – 7%)***	**Library Reserve**: Photogrammetry, Avery & Berlin, 1992
8.	Photogrammetry 2 and 3 ***(Lab 5 – 5%)***	Photogrammetry 1, 2, 3
9.	Types of Film API Elements ***(Lab 6 – 5%)***	Electromagnetic Spectrum, Remote Sensing
10.	Air Photo Keys Applications in API ***(Lab 7 – 5%)***	Photogeographical Interpretation
11.	Applications in API ***(Lab 8 – 5%)***	
12.	Applications in API	