GEOG357 Syllabus Fall 2025

Instructor: Roger Wheate, 8-307, 960-5865; wheate@unbc.ca

Lectures: Monday/Wednesday 8.30-9.20, 8-160

Labs: Tuesdays 15.00-17.50, 8-125

Date	***Lecture Topics***	***Lab***
Sept 2025		
3	Introduction	
8-12	Electro-Magnetic Spectrum / Image data-display	*Lab 1: Image display / DNs*
15-19	Unsupervised / supervised classification	*Lab 2: Unsupervised Classification*
22-26	Sensors-platforms / Thermal / Microwave	*Lab 3: Supervised Classification*
October		
Sept29-Oct3	Band ratios / Indices-Transforms	No Lab: Truth-Reconciliation day
6-10	Feature extraction / Environmental Change	*Lab 4: Ratios and indices*
14-17	Thanksgiving / *Mid-Term Exam (15%)*	*Lab 5: Feature extraction*
20-24	Glaciers / Change detection	*Lab 6: Glaciers*
27-31	RADAR / DEMs	*Lab 7: Change detection*
November		
3 – 7	LiDAR / Projects	*Lab 8: DEMs*
10-14	*'mid-semester break'*	
17-21	Env. Change demos / High res. sensors	*Lab 10: Projects-data*
24-28	RS Software; course review / Future trends	*Lab 11: Data processing*
Dec 1-5	*Exam2 (10%)* / Project demos (3 minutes)	*Lab 12: project write-up*
Dec 9-19	exam period (no final exam in this course)	[*Dec 8th: project deadline]*

Holidays: September 30 (Tuesday), Oct 13 (Monday), Nov 10-14 (reading week)

Syllabus/Lectures slides/labs: *gis.unbc.ca* Lab assignments: *moodle.unbc.ca*

Evaluation 100%

- Exams: Oct 15, Dec 1 25%
- Environmental Change exercise (due: Nov 17) 10%
- Lab exercises 8 x 5% 40%
- Final project, due Dec 8 25%