GEOG357 Syllabus Fall 2025

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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	No lab
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	No Lab – Truth/Reconciliation Day
6-10	Transforms / Feature extraction	*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	DEMs / RADAR - LiDAR	*Lab 7: Change detection*
November		
3 – 7	Projects / Env. Change class demos	*Lab 8: DEMs*
10-14	*'mid-semester break'*	*No lab (Env.Change= Lab 9)*
17-21	High resolution sensors / Planetary RS	*Lab 10: Projects-data*
24-28	Future trends / RS Software; course review	*Lab 11: Data processing*
Dec 1-5	*Exam2 (10%)* Project demos: 5 minutes each	*Lab 12: project write-up*
Dec 9-19	exam period (no final exam in this course)	

Holidays: September 30 (Tuesday), Oct 13 (Monday), Nov 10-14 (reading week)
Syllabus/Lectures slides/labs: *gis.unbc.ca -> GEOG357*; Lab assignments: *moodle.unbc.ca*

Evaluation 100%

- Exams: Oct 15, Dec 2 25%
- Environmental Change exercise, Oct 25 10%
- Lab exercises 8 x 5% 40%
- Final project, due Dec 8 25%