

GEOG357 Syllabus Fall 2022

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Lectures: Tuesday/Thursday 12.30-13.20, 5-171

Labs: Mondays 11.30-14.20

<i>Date</i>	<i>Lecture Topics</i>	<i>Lab</i>
Sept 2022		
8	Introduction	
12-16	Electro-Magnetic Spectrum / Image data-display	<i>Lab 0: software / accounts</i>
19-23	Sensors-platforms / Unsupervised classif.	<i>Lab 1: Image display and DN's</i>
26-29	Band ratios / Supervised Classification	<i>Lab 2: Unsupervised Classification</i>
October		
3-7	Indices <i>and</i> Transforms;	<i>Lab 3: Supervised Classification</i>
11-14	MidTerm Exam / Thermal RS	No lab – Thanksgiving
17-21	Env.Change / Change detection	<i>Lab 4: Ratios and indices</i>
24-28	Feature extraction / Microwave - RADAR	<i>Lab 5: Environmental Change</i>
November		
(Oct)31-4	Glaciers / DEMs	<i>Lab 6: Feature extraction</i>
7-10	Env.Change demos / project options	<i>Lab 7: Glaciers / change</i>
14-18	LiDAR / LiDAR@UNBC (guest)	<i>Labs 8: DEMs + Project data</i>
21-25	High resolution sensors / Planetary RS	<i>Labs 9-11: Projects</i>
28-Dec 2	RS Software - Course review / Second exam	
Dec 5-6	Projects and demos	

Evaluation 100%

- Exams: Oct 12, Dec 1 30%
- Environmental Change exercise, Nov 8 10%
- Article review Nov 16 10%
- Lab exercises 5 x 5% 25%
- Final project, Dec 7 25%