

GEOG357 Syllabus Fall 2023

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Lectures: Tuesday/Thursday 10.30-11.20, 8-160

Labs: Wednesdays 15.00-17.50

<i>Date</i>	<i>Lecture Topics</i>	<i>Lab</i>
Sept 2023		
6-8	Introduction	No lab
11-15	Electro-Magnetic Spectrum / Image data-display	<i>Lab 1: Image display and DN's</i>
18-22	Unsupervised / supervised classification	<i>Lab 2: Unsupervised Classification</i>
25-28	Sensors-platforms / Band ratios	<i>Lab 3: Supervised Classification</i>
October		
2-6	Indices / Transforms	<i>Lab 4: Ratios and indices</i>
10-13	Feature extraction / <i>Mid-Term Exam (15%)</i>	<i>Lab 5: Feature extraction</i>
16-20	Environmental Change / Thermal RS	<i>Lab 6: Environmental Change</i>
23-27	Glaciers / Env. Change class demos	<i>Lab 7: Glaciers</i>
November		
(Oct)30-3	Change detection / DEMs	<i>Lab 8: Change detection</i>
6-9	Microwave-RADAR / LiDAR	<i>Lab 9: DEMs</i>
13-17	Projects / High resolution sensors	<i>Lab 10: Projects-data</i>
20-24	Hyperspectral & correction / Planetary RS	<i>Lab 11: Data processing</i>
27-Dec 1	RS Software-course review / <i>Exam2 (10%)</i>	<i>Lab 12: project write-up</i>
Dec 5	Project demos – 5 minutes each	

Evaluation 100%

- Exams: Oct 12, Nov 30 + 5% take-home Quiz 30%
- Environmental Change exercise, Oct 25 10%
- Article review Nov 17 10%
- Lab exercises 5 x 5% 25%
- Final project, Dec 7 25%