GEOG357 Syllabus Fall 2020

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Lectures: Wednesday/Friday 9.30-10.20 or online

Labs: Thursdays   11.30-14.20 or online

Date	*Lecture Topics*	*Lab*
Sept 2020		
9-11	Introduction; Electro-Magnetic Spectrum	*Lab 0: Checking the connection*
14-18	Image data-display; Sensors/platforms	*Lab 1: Image display and DNs*
21-25	Unsupervised / Supervised Classification	*Lab 2: Unsupervised Classification*
28-Oct 2	Band ratios; Indices and Transforms	*Lab 3: Supervised Classification*
October		
5-9	PCA; Image interpretation	*Lab 4: Ratios and indices*
13-16	***Midterm Exam*** Feature extraction	*Lab 5: Environmental Change*
19-23	Env. Change class examples	*Lab 6: Feature extraction*
26-30	Change detection Pre-processing	*Lab 7: Change detection*
November		
2-6	DEMs Glaciers	*Lab 8: DEMs*
9-13	Thermal RS; Microwave / RADAR	*Lab 9: Glaciers*
16-20	New millenium sensors; LiDAR	*Labs 10-12: Project time*
23-27	PlanetaryRS/history; Software/review	
30-Dec 4	***Second exam*** Project demos	
Dec 8	Projects due	

 Evaluation   100%
- Exams: Oct 14, Dec 2   30%
- Environmental Change exercise   10%
- Article/website review   10%
- Lab exercises 5 x 5%   25%
- Final project, Dec 8   25%