

GEOG357 Syllabus Fall 2021

Instructor: Anthony Jjumba
 TA: Sunny Tseng
 Lectures: Tuesday/Thursday 9.30 - 10.20
 Labs: Tuesdays 11.30 - 14.20

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Date	Lecture Topics	Lab
September		
8 - 10	Introduction	
13 - 17	Electro-Magnetic Spectrum Image data-display	Lab 0: Introduction and Access to Lab Resources
20 - 24	Sensors/platforms Unsupervised Classification	Lab 1: Image display and DNs
27 - Oct 1	Supervised Classification National Day for Truth and Reconciliation	Lab 2: Unsupervised Classification
October		
4 - 8	Band Ratios Indices	Lab 3: Supervised Classification
11 - 15	Transforms Image interpretation	Lab 4: Ratios and Indices
18 - 22	Midterm Exam Feature extraction	Lab 5: Environmental Change
25 - 29	Change detection Glaciers	Lab 6: Feature Extraction
November		
1 - 5	Thermal RS <i>Env. Change demos in Class</i>	Lab 7: Glaciers / Change
8 - 12	DEMs Remembrance Day	Lab 8: DEMs
15 - 19	New Millennium Sensors Project review	Lab 9: Project time
22 - 26	Microwave – RADAR LiDAR	Lab 10: Project time
29 - Dec 3	Final exam Project demos Dec 2	Lab 11: Project time
		Projects due Dec 6 th

Evaluation 100%

Exams: Oct 19th, Nov 30th **(30%)**

Environmental Change exercise: Nov 4th **(10%)**

Article review Nov 16 **(10%)**

Lab exercises 5 x 5% **(25%)**

Final project, Dec 6 **(25%)**

Revised Oct 12, 2021