

FR 3262 / 5262 – Remote Sensing of Natural Resources and Environment

Lab Schedule – Spring 2009

Week	Dates	Topics	Items Due
1	1/20	Course Introduction Maps and Coordinate Systems: Public land survey, topographic maps and aerial photos.	
2	1/27	Quiz Aerial Photo Interpretation: Elements of image interpretation, land cover/use classification schemes. Form lab teams. Introduce class projects and requirements.	
3	2/3	Quiz Stereoscopy and Aerial Photo Preparation: Location of PP, CPP, flight line, and effective area of aerial photos. Discuss possible project topics.	Project team cards due <i>in lab</i>
4	2/10	Quiz Photo Scale, Direction, Distance and Height Measurements.	
5	2/17	Quiz Introduction to Imagine Software and Landsat Data.	
6	2/24	Quiz Area Measurements using stereo photo pairs and dot grids. Discussion of electronic methods. Line of Site Determination.	Project proposal
7	3/3	Quiz Vegetation analysis.	

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8	3/10	Quiz Landform identification and soil mapping.	
	3/17	SPRING BREAK !!!	
9	3/24	Quiz Aerial Photo Rectification using ERDAS Imagine. MEET IN GREEN HALL 210A	
10	4/31	Quiz Integrating Remote Sensing into a GIS: Digitizing aerial photos using ERDAS Imagine. MEET IN GREEN HALL 210A	Vegetation paper review
11	4/7	Quiz Image Enhancement. MEET IN GREEN HALL 210A	Project draft report
12	4/14	Quiz Image Classification. MEET IN GREEN HALL 210A	
13	4/21	Quiz Vegetation Indices. Change detection with Landsat TM data. Meet in Green Hall 210A	
14	4/28	Project work day.	
15	5/5	Project presentations.	Final project report, draft, and Project Journal