

Dr. Paul Zenope Melcon
Spring Semester 2011

Office: 525 Butte
Hours: MW 3-4,
TuTh 9:00-9:30, 3:00-3:30

GEOG 318 Remote Sensing

Course Description

An introduction to the theory, techniques, data acquisition, processing, and presentation of digital imagery. The emphasis is applications allowing determination of earth surface characteristics using remotely sensed imagery. .

Course Prerequisites

GEOG 219 and GEOG 315 or faculty permission.

Course Materials

Readings posted: <http://wizard.csuchico.edu:8092>
<http://www.planetek.it>
http://www.ccrs.nrcan.gc.ca/resource/tutor/fundam/index_e.php

Planetek Short Course
Canada Center for Remote Sensing

Course Assignment

Assignments	6 @	5 points	30 points
Midterm Exam	3 @	10 points	30 points
Final Exam	1 @	30 points	30 points
Total			90 points

Grade Assignment

A	90%-100%
B	80%-89%
C	70%-79%
D	65%-69%
F	<65%

Assignments

Assignments will emphasize a specific remote sensing application.

Midterm and Final Exams

Two midterm examinations and a final examination will be given. The final exam will be comprehensive. The final and midterm exam formats may include multiple choice, short answer, matching, true/false, or essay. The final exam will be given on **Monday May 16 from 6:00--7: 50**

GEOG 318 Schedule

Week of			Assignments	Holidays
January	24	Digital light and file types		
	31	Map projections and GIS	Assignment 1	
February	7	Rectification—affine projections	Assignment 2	
	14	Image Resolution and Satellites		
	21	Raster Imagery—DEM, DOQ, DRG, NAIP		
	28	Filters and image arithmetic Slope, aspect, elevation, hillshade, 3D visualizations	Assignment 3	
March	7	Drainage basins and stream networks; image arithmetic	Exam	
	14	Spring Break		No Class—Spring Break
	21	HTML—page design, links, tables, and lists		
	28	HTML—images and applets		31 Thursday Cesar Chavez
April	4	HTML—other concepts	Assignment 5	
	11	AAG Meeting		No Class—AAG meeting
	18	Spectral signatures		
	25	Unsupervised Classification	Exam	
May	2	Supervised Classification		
	9	Project	Assignment 6	
	16	Final Exam	Exam	Monday May 16, 6:00