

NR-18

Forest Surveying & Aerial Photo Interpretation

INSTRUCTOR:

Rob Cannell

Fall, 1999

OFFICE & HOURS:

Room FEM 10

Tuesday & Thursday
1:00-3:00 p.m.

TEXTBOOKS:

1. Elementary Forest Surveying & Mapping, R.L. Wilson
2. Surveying (Jack Cormac), 4th Edition

CATALOG DESCRIPTION:

A continuation of forest surveying instruments & procedures providing greater depth in the study of precision techniques used in plane surveying. Preparation of topographic and planimetric maps used in forestry. Interpretation of aerial photographs including field verification of interpretation exercises.

COURSE OBJECTIVES:

Students will be able to:

- Re-run property lines
- Map natural features and improvements
- Lay out a road
- Perform advanced surveying tasks with aerial photos
- Determine true meridian
- Use GPS to collect data

FINAL DROP DATE:

The last day to drop a second nine week class is Monday, November 8, 1999.

GRADING:

Final grades will be calculated using the following rationale. The individual with the highest point total at the end of the semester will set the standard of what can reasonably be obtained. Percentiles of that high score will be calculated to determine grades for the rest of the class. Example: Assume the high individual in the class earned 432 of 450 points possible. The grades will be calculated as follows:

389-432	A	90% of high score
345-388	B	80% of high score
302-344	C	70% of high score
259-301	D	60% of high score
258-below	F	Less than 60% of high score

<u>Lecture Points:</u>	Exam 2 @ 100	200
	Final Exam	<u>100</u>
	Lecture Total	300

<u>Lab Points:</u>	Road Survey	40
	Topo Map	10
	Photo Scale	20
	Point Location	40
	Stand Typing	10
	GPS/GIS	20
	FSU Field Trip	<u>10</u>
	Lab Total	150
	TOTAL POINTS	450

EQUIPMENT: Surveying Field Book
 Sandpaper Pad
 Drafting Pencil
 Surveying Text
 Triangular "Engineer's" Scale
 Calculator w/ Trig Functions
 Graph Paper

SCHEDULE: <u>Date</u>	<u>Lecture</u>	<u>Lab</u>
	10/18	Orientation/Math Review
	10/20	Photogrammetry
	10/25	Photo Interpretation
	10/27	Photo Interpretation
	11/1	Photo Interpretation
	11/3	Seq. Lake Point Location Exercise
	11/8	Review
	11/10	Holiday
	11/15	Surveying Math
	11/17	Data Acquisition
	11/22	Road Survey
	11/24	FSU Field Trip
	11/29	Midterm Exam
	12/1	GPS/GIS
	12/6	GPS/GIS
	12/9	Review
	12/13-17	Finals Week
		Photo Geometry
		Photo Scale
		Area Lab
		Point Location
		Topo Map Exercise
		Total Station
		Total Station
		Road Survey
		FSU Field Trip
		GIS
		GPS
		GPS
		Open

NR 18 - FINAL EXAM - Monday, December 13 @ 8:00 a.m.