



NR 17 - Introduction to Forest Surveying 50356

Reedley College – Spring 2010

Lecture 8:00-9:50, Lab 10:00-12:50 Monday

Room FEM 7

Instructor: Jason Pinkerton
Office: FEM 10, Phone: (559) 638-3641, Ext. 3260
Office Hours: W - 1:00-3:00 and TH - 12:00-1:00 other times by appointment
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Course Objectives:

Upon completion of this course you will become familiar and proficient with basic forestry and engineering equipment (i.e. hand compass, staff compass, abney level, total stations, and introductory applications of Global Positioning Systems (GPS)).

Textbooks and Required Materials:

1. Kiser, J. 2006. Surveying for forestry and the natural resources. John Bell and Assoc. Corvallis, OR. **(Required)**
2. McCormac, J. 2004. Surveying 5th Edition. John Wiley & Sons, Inc. New York, NY. **(Required)**
3. Sokkia field book **(Required)**
4. Scientific calculator **(Required)**
5. Drafting pencil (HB) **(Required)**

Laboratory Activities:

There will be several laboratory excursions taken during the semester. These trips will generally occur during the scheduled class time. However, we may return to campus after 12:50 pm on occasion. If you are unable to attend a class or lab period, you will still be responsible for the material covered and **may** be required to complete an alternative assignment. Failure to do so will result in a zero for the particular lab. Always come to lab prepared for outside activities. Prepared is defined as having sturdy hiking shoes or boot, long pants, water, food, and warm (appropriate) clothing.

Essential Information:

- It is your responsibility to stay informed on any changes to assignment due dates, readings, etc. Missing a class doesn't excuse you from this responsibility (i.e. if a due date for an assignment changes, new assignments are given, etc.). This means you should ask a trustworthy classmate for notes if you are absent. Being absent is not an excuse for late work, late assignments, or just not knowing what is happening.

- It is the student’s responsibility to officially withdraw from this and/or any course. Failure to do may result in a “F” grade being awarded. As an instructor, I have the option to drop students who miss more than four class periods.
- Cheating and/or plagiarism will not be tolerated. No credit will be given for an assignment if in the opinion of the instructor the individual has cheated.
- “If you have a verified need for an academic accommodation or materials in alternate media (i.e., Braille, large print, electronic text, etc.) per the Americans with Disabilities Act (ADA) or Section 504 of the Rehabilitation Act, please contact me as soon as possible.”
- Please turn cellular phones and pagers off during class time. Sunflower seeds and all tobacco products are **NOT** permitted.

Participation and Grading Policy:

Grading for this course is based on the sum of one exam, a comprehensive final, lab assignments/reports, and unannounced quizzes. Both lecture and laboratory material will be covered on midterm exams and quizzes. No early or makeup exams or quizzes will be given, unless previously (one week) authorized by the instructor. All late assignments will be deducted 15% and must be turned in within one week of due date to receive credit. Individual participation will be considered when assigning your final grade. Final grades may be curved based on a percentile of the highest point total in the class. Grades will be assigned based on a straight percentage system according to the following scale:

Course Grade	Cumulative Percent	Breakdown of Grades	Percentage
A	90-100	Field Books/Lab Reports	25%
B	80-89	Unannounced Quizzes	15%
C	70-79	Participation	20%
D	60-69	Exam	20%
F	<59	Cumulative Final Exam	20%
		TOTAL	100%

LAST DAY TO DROP THE COURSE without a “W” January 29th

LAST DAY TO DROP THE COURSE Friday, March 12th A LETTER GRADE IS ASSIGNED AFTER THIS DATE.

Tentative Schedule

<i>Date</i>	<i>Lecture Topic</i>	<i>Lab Topic</i>
1/11	Introduction, Equip.	#1 Pacing and Area Determination
1/18	<i>NO CLASS MLK Jr. Day</i>	
1/25	Methods of HD Measurement	#2 Horizontal Measurement
2/1	Linear Measurement	#3 Slope/Break Chaining
2/8	Leveling	#4 Leveling
2/15	<i>NO CLASS Washington Day</i>	
2/22	Angles & Directions	#5 Hand Compass Lab
3/1	Measuring Direction Review	#6 Staff Compass
3/8	Exam 1	
3/15	Total Stations	#7 Total Station Traverse
3/22	Total Stations	#8 Total Station Traverse
3/29	<i>NO CLASS Spring Recess</i>	
4/5	Route Surveying	#9 Route Survey
4/12	Public Land Surveys	#10 Maps
4/19	GPS	#11 GPS waypoints
4/26	Volume Calculation	#12 Volume Measurement
5/3	Guest Industry Lecturer	
5/10	Review	Open Lab
5/17	8:00 – 9:50 am Final Exam	