

Reedley College
Smith

LAND Department
LAND 13

Course Information
Land 13 - Machinery Management

Catalog Description

Principles of machinery management, operations, and maintenance for tractors, farm implements, forklifts, and harvesting equipment.

Units and Hours

3 semester units on course completion. Class meets for 2 hours of lecture per week and 3 hours of laboratory per week.

Textbook

Machinery Management, Fourth Edition Bowers.

Materials

- Approved Footwear - ScanTron 100 Question Test Cards - Calculator

Assignments and Grading

Three major tests will be given that correlate to the assigned readings and course lecture notes. Homework problem sets will be assigned and six laboratory practicals are required. Weekly chapter quizzes will be also be provided.

		Point Distribution		
Lecture:	Quizzes		140	
	Safety Test		100	
	2 Midterms		200	
	Homework		100	
	Final Exam		100	
	Laboratory:	Participation		180
	<u>Practical</u>		<u>180</u>	
			1000	
90% = A	80% = B	70% = C	60% = D	Less = F

<u>Last Day To:</u>	Drop Class with Refund:	August 27, 1999
	Drop w/o Transcript Record:	September 3, 1999
	Change CR/NR:	September 17, 1999
	Drop w/o a Letter Grade Assigned	October 15, 1999

Attendance

Attendance of lectures and labs is required and roll will be taken at each meeting. A "tardy" is considered an absence unless the student contacts and explains the incident. Students must make prior arrangements with the instructor to be excused from lectures and labs, make-up of missed tests and labs are permitted only with excused absences.

Office Hours - LSH 2

Tuesday 12:00 Wednesday 12:00 Friday 10:00

**Land 13 - Machinery Management
Lecture Schedule**

<u>Week</u>	<u>Topic</u>	<u>Reading Assignment</u>
1	Introduction	Chapter 1
2	Equipment Safety	Prepared Materials
3	Safety Test Dimensional Analysis	Prepared Materials
4	Measuring Machine Capacity	Chapter 2
5	Improving Field Efficiency	Chapter 3
6	Matching Machine Size & Capacity	Chapter 4
7	Estimating Power Requirements	Chapter 5
8	Review & Midterm	
9	Estimating Fixed Costs	Chapter 6
10	Estimating Fuel & Lubricant Costs	Chapter 7
11	Estimating Repair Costs	Chapter 8
12	Total Costs	Chapter 9
13	Review & Midterm	
14	Deciding When to Trade	Chapter 10
15	Considering Future Capacity Needs	Chapter 11
16	Calculating Custom Work Costs	Chapter 12
17	Comparing Ownership, Leasing, & Rental Costs	Chapter 13
18	Final Exam	