

Course Information

- Title:** LAND 10 - Shop Skills
- Description:** The use of hand and power tools related to plumbing, woodworking, electrical wiring, concrete, and metal working. Emphasis will be placed on theory and then practical application.
- Units and Hours:** 2 units; 1 lecture hour and 3 shop hours.
- Textbook:** Agricultural Mechanics: Fundamentals & Application. 3rd Edition, Elmer L. Cooper, Delmar Publishers.
- Materials:** Approved eye protection
Coveralls or work clothes
Approved footwear
Tape measure
- Assignments and Grading:** Five skill areas will be covered that correlate to the textbook, lectures, and handouts, and shop projects. Each shop project must be accompanied with a project drawing and material & tools list.

<u>Grade Scale</u>	<u>Point Distribution</u>	<u>Points</u>
A \geq 90%	Safety Test	50
B \geq 80 %	Skill Tests (5 @ 100)	500
C \geq 70 %	Final Exam	100
D \geq 60 %	Homework (5 @ 50)	250
F \leq 60 %	Shop Projects (5 @ 100)	<u>500</u>
Total		1400

<u>Week #</u>	<u>Topic</u>	<u>Reading</u>	<u>Assignment Due</u>
1	Orientation/Shop Safety	33-50	
2	Project Plans/Measurement Tools/Fasteners	61-98	Safety Test
3	Woodworking	99-115	Project Plan
4	Woodworking		Homework
5	Woodworking		Test
6	Plumbing	487-505	Project Plan
7	Plumbing		Homework
8	Plumbing		Test
9	Electricity	425-486	Project Plan
10	Electricity		Homework
11	Electricity		Test
12	Concrete	539-558	Project Plan
13	Concrete		Homework
14	Concrete		Test
15	Metal Working	135-166	Project Plan
16	Metal Working		Homework
17	Metal Working		Test
18	Final Examination		