



MASTER COURSE OUTLINE

COURSE TITLE: Shop Skills I

Dept.: Agricultural Mechanics

CIP Code: 01.0205

CREDITS: 2

Total Contact Hrs Per Qtr.: 44

Distribution Design:

Course Num: 109

Intent Code:

Lecture Hrs:

DATE: 4/30/20

(Formerly:

Program Code: 123)

Lab Hrs: 44

Other Hrs:

Prepared By: Brett Iksic

COURSE DESCRIPTION (as it will appear in the catalog)

This course will introduce students to measuring devices commonly used in agricultural mechanics. Students will demonstrate proper tool usage techniques as well as the ability to accurately read measuring devices such as calipers, beakers, micrometers, dial indicators, and tape measures.

PREREQUISITES: None.

TEXTBOOK GUIDELINES: Textbook determined by Agriculture Mechanics Faculty (Example: Starrett Tools & Rules for Precision Measuring, Bulletin No. 1211).

STUDENT LEARNING OUTCOMES: *Upon successful completion of the course, students should be able to demonstrate the following knowledge or skills.*

1. Identify shop tools and usage.
2. Determine proper measuring tools for various tasks.
3. Demonstrate proper measuring tool usage.
4. Demonstrate the ability to read and record measurements with precision.

INSTITUTIONAL OUTCOMES

3. Students will be able to demonstrate teamwork, ethics, safety awareness, and/or workplace specific skills related to agricultural mechanics.

COURSE CONTENT OUTLINE

1. Measuring Tools and Uses
 - Measuring distance
 - Measuring volume
2. Shop Tool Identification and Use
 - Shop tool identification
 - Shop tool use

DEPARTMENTAL GUIDELINES (optional)

Empty box for departmental guidelines.

DIVISION CHAIR APPROVAL

DATE