

Discipline: Agriculture	Sub-discipline: Mechanized Agriculture
General Course Title: Agricultural Safety	Min. Units: 2 Semester
Proposed Suffix: L	
<p>Course Description:</p> <p>This course involves safety practices and principles, accident causation and prevention in the shop, as well as with tractors and machinery. Operation, service and normal safety practices common to farming will be stressed. Supervised field operation and field trips will be required. Laboratory required.</p>	
Required Prerequisites or Co-Requisites ¹	
Advisories/Recommended Preparation ²	
<p>Course Objectives: <i>At the conclusion of this course, the student should be able to:</i></p> <ul style="list-style-type: none"> • Ascertain the value of an organized effort to obtain maximum service from tractor units at optimum efficiency • Identify and apply lubricants and lubrication techniques used on tractors and equipment • Develop a record system for service • Perform tasks that are necessary to assure maximum economy and efficiency of operation of farm tractors under varying situations and conditions • Perform minor tractor maintenance • Acquire desirable skills, abilities, and techniques used in safe equipment operation • Perform HASMAT safety procedures and practices • Demonstrate ability to communicate and work cooperatively with others 	
<p>Course Content:</p> <ol style="list-style-type: none"> 1. Tractor/equipment safety procedures with tractors, loaders, forklifts and service shops <ol style="list-style-type: none"> a. Proper operation, developing a safe attitude and environment b. Application and selection of power units c. Proper servicing <ol style="list-style-type: none"> (1) Engines (2) Power trains (3) Hydraulics (4) Components d. Tires, weight and ballast 2. Estimate tractor repair costs 3. Safety when operating and servicing tractors and equipment 4. Chemical safety and HASMAT procedures <p>Laboratory Activities: Individual Laboratory Activities are designed to support course objectives.</p>	
<p>Methods of Evaluation: Lecture Comprehensive Quizzes and Exams Written Critical Thinking Scenarios Problem Analysis and Solution Research and Term Papers</p>	<p>Methods of Evaluation: Laboratory Laboratory Skill Validation by Observation Laboratory Reports Diagnostics and Problem Solving Laboratory Skill Practicum Certification Exams</p>
<p>Typical Textbooks, Manuals, or Other Support Materials Under Review</p>	

¹ Prerequisite or co-requisite course need to be validated at the CCC level in accordance with Title 5 regulations; co-requisites for CCCs are the linked courses that must be taken at the same time as the primary or target course.

² Advisories or recommended preparation will not require validation but are recommendations to be considered by the student prior to enrolling.

Statewide Articulation: CPSLO-CRSC 141, other universities as lower division elective

FDRG Lead Signature:

Date:

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Internal Tracking Number