Course Information Form (CIF)

Course Code: DPE 236

Course Title: Equipment Adjustment and Repair

Department: Agricultural Technologies
PCS Code: 1.2 - Occupational/Technical Instruction
CIP Code: 47.0302
Repeatability: 0

Effective Date: Summer 2026

Credit Hours

Catalog Notation: 2-2-3
Credit Hour Distribution:

Lecture: 2	Lab: 2	Clinical: 0	**Total: 3**

General Course Information

Catalog Description

Adjustment, maintenance, and repair of new and used motor truck, agricultural machinery, and/or construction equipment; use operator and service manuals to perform repairs.

General Course Objectives

To learn adjustment, maintenance, and repair of new and used agriculture, construction and motor truck equipment; operational testing; use of operator and service manuals to perform tests, repairs, and adjustments; and use of time management tools, with an emphasis on agriculture and construction equipment.

Minimum Placement Levels

English	Reading	Math
None	None	None

Prerequisites

Credit in DPE 133, DPE 215, DPE 230, and DPE 239

Methods of Evaluation

Students will be given a minimum of 8 lab practicals, 1 mid-term exam, and 1 final exam.

Instructional Materials and Additional Supplies

No textbook required. Uses manufacturers' tech manuals.
Students will need the required tool set for the Diesel Power program.

Course Content

General Learning Outcomes (GLOs)

- Critical Thinking and Information Literacy: Students will demonstrate the ability to evaluate perspectives, evidence, and implications, and to locate, assess, and use information effectively.
- Reasoning and Inquiry: Students will demonstrate the ability to solve problems using deductive reasoning and logic, quantitative reasoning, or the scientific method.
- Technology: Students will demonstrate the ability to evaluate, select, and appropriately use current and emerging tools.

Course Segments and Student Learning Outcomes

Course Segment	Learning Outcomes	Lecture Hours	Lab Hours	Clinical Hours
Maintenance Techniques	1. Perform scheduled maintenance.	2	4	0
Repair Orders	1. Fill out and document repair orders.	4	4	0
Repair Skill Building of Agricultural Equipment	1. Inspect, troubleshoot, repair, and adjust agricultural equipment.	8	10	0
Repair Skill Building of Motor Truck Equipment	1. Inspect, troubleshoot, repair, and adjust motor truck equipment.	4	5	0
Repair Skill Building of Construction Equipment	1. Inspect, troubleshoot, repair, and adjust construction equipment.	8	5	0
Time and Wage Calculations	1. Calculate labor hours and wage amounts for a service department.	4	2	0

Total Contact Hours

Lecture Hours	Lab Hours	Clinical Hours
30	30	0