Course Information Form (CIF)

Course Code: CNH 256

Course Title: CNH Ag and CE Equipment Functions

Department: Agricultural Technologies
PCS Code: 1.2 - Occupational/Technical Instruction
CIP Code: 47.0605
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

Setup, repair, and operational testing of new and used Case New Holland (CNH) agricultural and construction equipment. Emphasis on harvesting, planting, and construction equipment.

General Course Objectives

- To learn proper procedures for setup and repair of CNH harvesting, planting, and construction equipment.
- To learn how to properly weight and ballast row crop and four-wheel drive tractors.
- To learn repair and adjustments of undercarriage type drive systems, emphasis on in-field adjustments.

Minimum Placement Levels

English	Reading	Math
None	None	None

Prerequisites

Credit in CNH 119, CNH 133, and CNH 231

Methods of Evaluation

Students will be given 12 objective exams and 8 lab practicals.

Instructional Materials and Additional Supplies

Heavy Equipment Systems, by Delmar
Students will need the required tool sets for the CNH Service Technician 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
Row Crop and Four-wheel Drive Tractor Weighting and Ballasting	1. Describe and demonstrate how to calculate required weight split on row crop and four-wheel drive tractors.	5	2	0
Harvesting Equipment	1. Describe and demonstrate how to set up and make in-field adjustments on CNH harvesting equipment for varying crop conditions.	13	17	0
Planting Equipment	1. Describe and demonstrate how to set up and make in-field adjustments on CNH planting equipment. 2. Perform seed metering unit repair.	9	9	0
Undercarriage Drive Systems	1. Describe and demonstrate how to set up, repair, and make in-field adjustments on CNH undercarriage type drive systems and perform inspections.	3	2	0

Total Contact Hours

Lecture Hours	Lab Hours	Clinical Hours
30	30	0