BARTON COMMUNITY COLLEGE

##### COURSE SYLLABUS

## GENERAL COURSE INFORMATION

Course Number: AGRI 1199

Course Title: Self Propelled Windrowers

Credit Hours: Variable 1-3

Prerequisites: None

Division/Discipline: Career & Technical Education

Course Description: This course is designed to familiarize the individual with self-propelled windrowers. The student will study the different systems of the windrower, their operation, and steps necessary to produce windrowers necessary for the next step in the hay harvesting process.

## INSTRUCTOR INFORMATION

## COLLEGE POLICIES

Students and faculty of Barton Community College constitute a special community engaged in the process of education. The College assumes that its students and faculty will demonstrate a code of personal honor that is based upon courtesy, integrity, common sense, and respect for others both within and outside the classroom.

Plagiarism on any academic endeavors at Barton Community College will not be tolerated. The student is responsible for learning the rules of, and avoiding instances of, intentional or unintentional plagiarism. Information about academic integrity is located in the Student Handbook.

The College reserves the right to suspend a student for conduct that is determined to be detrimental to the College educational endeavors as outlined in the College Catalog, Student Handbook, and College Policy & Procedure Manual. (Most up-to-date documents are available on the College webpage).

Any student seeking an accommodation under the provisions of the Americans with Disability Act (ADA) is to notify Student Support Services via email at disabilityservices@bartonccc.edu.

## COURSE AS VIEWED IN THE TOTAL CURRICULUM

This course is one in a series of courses in the Agriculture Mechanics curriculum at Barton Community College.

## ASSESSMENT OF STUDENT LEARNING

Barton Community College is committed to the assessment of student learning and to quality education. Assessment activities provide a means to develop an understanding of how students learn, what they know, and what they can do with their knowledge. Results from these various activities guide Barton, as a learning college, in finding ways to improve student learning.

Course Outcomes, Competencies, and Supplemental Competencies:

1. Accurately identify, diagnose, repair and maintain the following systems of a self-propelled windrower:
2. Mechanical drive systems
3. Hydraulic systems
4. Electrical systems
5. Cutting systems
6. Preventive maintenance
7. Accurately set up the windrower tractor and cutting head in preparation for harvesting.
8. Demonstrate proper adjustments for various crops.
9. Analyze crop flow through the windrower as it pertains to different crops.
10. Identify key component location, function diagnosis, and repair of the windrower tractor and cutting head(s).
11. Identify component location, function, diagnosis, and repair of hydraulic system components.
12. Identify component location, function, diagnosis, and repair of electrical system components.
13. Utilize the electronic CASE Service Tool, when applicable.
14. Demonstrate the ability to load software to various controllers on the windrower.
15. Analyze measureable parameters as they pertain to systems on the windrower.

## INSTRUCTOR'S EXPECTATIONS OF STUDENTS IN CLASS

## TEXTBOOKS AND OTHER REQUIRED MATERIALS

### REFERENCES

### METHODS OF INSTRUCTION AND EVALUATION

## ATTENDANCE REQUIREMENTS

## COURSE OUTLINE