BARTON COMMUNITY COLLEGE

##### COURSE SYLLABUS

## GENERAL COURSE INFORMATION

Course Number: AGRI 1202

Course Title: 2WD Tractor Systems 45 to 100 hp

Credit Hours: Variable 1-2

Prerequisites: None

Division/Discipline: Community Education-Customized training

Course Description: Training on JX and JXU Maxima systems are covered, from the very basic through the most complete analysis of all components in each system. There will be hands-on experience and ample question/answer time, supported by detailed manuals, training mock-ups and cutaways.

## 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](mailto:disabilityservices@bartonccc.edu)

## COURSE AS VIEWED IN THE TOTAL CURRICULUM

This course is a comprehensive learning experience that will enhance the skills of the technician, enabling a return to the dealership highly qualified to service this product.

1. **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.

Given appropriate training materials, live equipment, and proper diagnostic equipment the student will be able to symptoms of malfunctioning components, analyze these symptoms to determine a cause, affect repair of failed components, and confirm that the machine is working correctly.

Course Outcomes, Competencies, and Supplemental Competencies:

1. Identify and locate all electrical components on the tractor.
2. Determine the relationship between electrical components on the tractor and their relationship to the electrical schematic.
3. Troubleshoot; calibrate; configure; and download software into the electronic controllers on the tractor.
4. Identify; locate; determine correct operation of all hydraulic components on the tractor and their relationship on the hydraulic schematic.
5. Be able to troubleshoot, check and set flows and pressures on each hydraulic system/components on the tractor.

## INSTRUCTOR'S EXPECTATIONS OF STUDENTS IN CLASS

## TEXTBOOKS AND OTHER REQUIRED MATERIALS

### REFERENCES

### METHODS OF INSTRUCTION AND EVALUATION

## ATTENDANCE REQUIREMENTS

## COURSE OUTLINE