**SOUTHEAST COMMUNITY COLLEGE**
**COURSE SYLLABUS**
**TRAN-WELDING-AG**
**Agriculture Management & Production Program**
**Revision Date: August 2020**
Syllabus Statements

| | |
|---|---|
| **Course Number:** | **AGRI 2232** |
| **Course Title** | Forage Harvesting and Management |
| **Prerequisite(s):** | AGRI 1131 |
| **Catalog Description:** | Operation, adjustment, and maintenance of grain, forage, and hay harvesting equipment. Hands-on experience with equipment used on the land laboratory in actual cropping situations. |
| **Credit Hours:** | 4.0 |
| **Class Hours:** | 45 |
| **Lab Hours:** | 45 |
| **Total Contact Hours:** | Total of Class + Lab Hours 90 |

**II. COURSE OBJECTIVES:** *Course will:*

a. Learn safety features on hay and forage equipment.
b. Learn machines used for hay harvesting.
c. Learn machines used for forage harvesting.
d. Learn the principles of operation of hay harvesting equipment.
e. Learn the principles of operation of forage harvesting equipment
f. Learn maintenance procedures of hay harvesting equipment.
g. Learn maintenance procedures of forage harvesting equipment.
h. Learn basic service procedures of hay harvesting equipment.
i. Learn basic service procedures of forage harvesting equipment.
j. Learn how to adjust hay harvesting equipment.
k. Learn how to adjust forage harvesting equipment.
l. Learn how to safely operate of hay harvesting equipment.
m. Calculate machine capacity for various hay harvesting equipment.

**III. STUDENT LEARNING OUTCOMES:** *Student will be able to:*

a. Identify safety features on hay and forage equipment.
b. Identify machines used for hay harvesting.
c. Identify machines used for forage harvesting.
d. List the principles of operation of hay harvesting equipment.
e. List the principles of operation of forage harvesting equipment
f. Demonstrate basic service procedures of hay harvesting equipment.
g. Demonstrate how to properly and safely make adjustments to hay and forage equipment.
h. Demonstrate how to safely operate hay and forage harvesting equipment.
i. Demonstrate proper maintenance procedures of hay and forage harvesting equipment.

j. Demonstrate how to properly and safely transport and store harvested hay and forage.
k. Demonstrate how to properly store hay.
l. Calculate machine capacity for various hay harvesting equipment.

**B. GENERAL EDUCATION LEARNING OUTCOMES**

**GELO #3: Critical Thinking & Problem Solving**

Critical thinkers have the ability to evaluate a problem or assumption and determine an appropriate course of action. They use reason and evidence to make judgments and decisions. Critical thinking and problem solving skills rank highly among employer expectations.

**Outcomes:**

1) Collect, identify, interpret and analyze data.

## IV. CONTENT/TOPICAL OUTLINE (*course outline may provide more detailed information)*

**A.** Hay harvesting equipment and operation
**B.** Hay equipment maintenance and adjustment
**C.** Forage harvesting equipment

## V. INSTRUCTIONAL MATERIALS

**A. Required Text(s): ):** *Hay and Forage Harvesting FMO,* John Deere Publishing 7th Edition, ISBN 0-86691-393-9

**B. Other Resources:**

Handouts, safety glasses, notebook, calculator, leather gloves, and protective clothing.

## VI. METHODS OF PRESENTATION/INSTRUCTION

Methods of presentation typically include a combination of the following:

a. Presentation methods will include, but are not limited to: slide and video presentations, research and writing assignments, lecture, problem solving, guest lectures and speakers.
b. Laboratory assignments and tasks
c. Operation and adjustment of equipment

## VII. METHODS OF EVALUATION

Methods of evaluation typically include a combination of the following:

a. Quizzes, tests, and exams
b. Laboratory exercises
c. Problem solving
d. Operation and adjustment of equipment
e. Final Exam

**Course Grading:**

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|---|---|
| **Daily Attendance and Lab** | **15 pts. Per day** |
| **Points for any additional assignments will be added to daily lab grade.** | |
| **Unit #1 Exam** | **100 pts.** |
| **Unit #2 Exam** | **100 pts.** |
| **Final Exam** | **100 pts.** |

**SCC STANDARD GRADING SCALE POLICY:**

| | | | |
|---|---|---|---|
| **A+** | **95-100** | **C+** | **75-79** |
| **A** | **90-94** | **C** | **70-74** |
| **B+** | **85-89** | **D+** | **65-69** |
| **B** | **80-84** | **D** | **60-64** |
| | | **F** | **Below 60** |

## VIII. SPECIFIC COURSE REQUIREMENTS:

**a.** Successful completion of all exams, homework, and other classroom assignments
b. Daily attendance of class sessions
c. Properly utilizing tools and shop equipment.
d. Successful completion of laboratory and land lab assignments and operations
e. Student utilizing proper safety eyewear