



**TRINITY VALLEY COMMUNITY COLLEGE  
ADMINISTRATIVE-MASTER SYLLABUS**

The Administrative- Master Syllabus is an administrative tool; it is **not intended to be distributed to students**. It is the intention of this Administrative-Master Syllabus to provide a general description of the course, outline the required elements of the course and to lay the foundation for course assessment for the improvement of student learning, as specified by the faculty of TVCC, regardless of who teaches the course, the timeframe by which it is instructed, or the instructional method by which the course is delivered. It is not intended to restrict the manner by which an individual faculty member teaches the course but to be an administrative tool to aid in the improvement of instruction. The Administrative-Master Syllabus will demonstrate that there is consistency and comparability in course offerings.

**Course Title      Agricultural Power Units**

**Course Prefix and Number    AGRI 2301**

**Department – Division    Agriculture**

**Course Type** – select from one of the following categories.

- **Academic General Education Course** (from ACGM – but not in TVCC Core)
- **Academic TVCC Core Course**
- **WECM Courses**

**Semester Credit Hours: Lecture Hours: Lab/other hours**

Semester Credit Hours	Lecture Hours	Lab/Other* Hours
3	3	3

Other hours include practicum, clinical or other types of non-lecture instruction. \*If other, please specify: \_\_\_\_\_

**Course Catalog Description:**

This course is designed to acquaint you with the principle concepts involved in the selection, operation, use, and maintenance of farm and ranch engines and tractors. It also includes basic economic factors and adaptability of various selected engines and tractors for various uses.

**Prerequisites/co requisites** NONE

**Topical Outline****Course Learning Outcomes:**

Upon completion of this course you will be able to:

1. Understand the principle concepts involved n the selection, operations, use, and maintenance of farm and ranch engines and tractors.
2. Make logical analysis and use sound judgment when selecting power units for use on the farm and ranch.

**Relationship to General Education Outcomes** – In addition to the core competencies, Trinity Valley Community College has established ten general education goals which specify knowledge and skills that students should gain from completing courses in the various component areas of the core curriculum. Information regarding curriculum and assessment as a means for the improvement of student learning through the general education component. (Select all that apply.)

Mark with an "X"	General Education Outcome
X	A. To communicate clearly and effectively in both oral and written English.
X	B. To improve reading skills focused on comprehending, analyzing, interpreting, and evaluating printed materials.
X	C. To understand mathematical information and utilize mathematical skills.
X	D. To demonstrate qualitative and quantitative critical thinking skills.
	E. To understand and appreciate cultural and ethnic diversity.

X	F. To utilize computer based technology in accessing information, solving problems, and communicating.
	G. To recognize and evaluate artistic achievements in the visual and performing arts.
	H. To improve basic understanding of political, economic, and social systems.
X	I. To demonstrate knowledge of the physical universe and living systems.
X	J. To develop skills and strategies to become an engaged learner.

- Required Text(s)**  
Mechanics Training Manual, by Engine Service Association, 210 Allen Dr., Eaton, PA, 19341

--

<b>Optional Text(s)</b>
-------------------------

<b>Material/Technology to be supplied by the student.</b>
---

<p><b>Course Requirements/Grading System –</b>  Attend class regularly, participate in class discussions, projects, and laboratory experiences. Complete two major exams, complete in-class assignments and complete the comprehensive final exam.  Grade computation:  Attendance and Participation = 25%  2 major exams combined = 25%  Lab exercises = 25%  Final Exam = 25%</p>
---

<b><i>Approvals – the contents of this document have been reviewed and are found to be accurate.</i></b>
--

Prepared by Steve Keith	Signature	Date 3-11-08
Department Head	Signature	Date
Division Chair	Signature	Date
Vice President	Signature	Date