

Fall 2025

College of the Redwoods



Course Information

Semester & Year: Fall 2025

Course ID & Section #number: AG-51-E059048 Tractor Operations

Instructor's name: Mark Kubik

Day/Time of required meetings: Friday 8:30AM-04:30PM

Location: Shively Farm

Number of proctored exams: None

Course units: 3



Instructor Contact Information

Office location or Online [Canvas URL or Link]:

Office hours:



Phone number: 707-499-2485

Email address: mark-kubik@redwoods.edu



Other method (Pronto, Canvas In-box, social media): xxx

[communication notes, eg. response time]



Required Material

Textbook Title: Tractors - How to operate, maintain, and improve the performance of your tractor. 5th edition.

Author: Deere and Company

ISBN: ISBN 0-86691-402-1



Catalog Description

This course involves design principles, selection, maintenance, adjustment, and safe operation of wheel and track type tractors used in agriculture and in the construction industry. Laboratory required.



Course Student Learning Outcomes

1. Operate wheel and track type tractors safely and properly.
2. Troubleshoot a piece of equipment by using logical deduction.
3. Perform operator level maintenance and adjustment of tractor systems.



Course Calendar



| Week | Friday |
|----------------|---|
| WK 1 - Sept 5 | <p>Introductions, Syllabus Review, Chapter One Tractor Introduction</p> <p>Assignment: Read Chapter One</p> |
| WK 2 - Sept 12 | <p>In Class: Quiz on Chapter One, Chapter Seven, Safety and Transport</p> <p>Assignment: Read Chapter Seven</p> |
| WK 3 - Sept 19 | <p>In Class: Quiz on Chapter Seven</p> <p>Chapter Two, Power Systems</p> <p>Assignment, Read Chapter Two</p> |
| WK 4 - Sept 26 | <p>In Class: Quiz on Chapter Two</p> <p>Chapter Three, Other Systems</p> <p>Assignment, Read Chapter Three</p> |
| WK 5 - Oct 3 | <p>In Class: Quiz on Chapter Three</p> <p>Chapter Four, Controls and Instruments</p> <p>Assignment, Read Chapter Four</p> |
| WK 6 - Oct 10 | <p>In Class: Quiz on Chapter Four</p> <p>Midterm Review</p> |
| WK 7 - Oct 17 | <p>In Class: Midterm</p> |
| WK 8 - Oct 24 | <p>Chapter Five, Attaching and Removing Implements</p> <p>Assignment, Read Chapter Five</p> |
| WK 9 - Oct 31 | <p>In Class: Quiz on Chapter Five</p> <p>Chapter Six, Field Operation</p> <p>Assignment, Read Chapter Six</p> |
| WK 10 - Nov 7 | <p>In Class: Quiz on Chapter Six</p> <p>Chapter Eight and Nine, Maintenance and Storage</p> |



| Week | Friday |
|----------------|--|
| | Assignment, Read Chapter Eight and Nine |
| WK 11 - Nov 14 | In Class: Quiz on Chapters Eight and Nine Lab Final |
| WK 12 - Nov 21 | Lab Final (continued) |
| | |
| | |
| | |
| | |

Course Calendar



Evaluation & Grading Policy

Grades are posted online at your AG51 CANVAS Gradebook. Your final grade will be based on:

| | | |
|----------------------------|-------------|-----|
| Chapter quizzes (8) | 10 pts each | 80 |
| Midterm Exam | 50 points | 50 |
| Lab/final exam (hands on) | 100 points | 100 |
| Active class participation | 120 points | 120 |

Refer to our AG-51 Course Calendar for details. Exam make-ups are only for valid excuses. Note that there is only one exam scheduled. Chapter quizzes cannot be made up. No late assignments will be accepted.

Final grades will be based on a percentage of the cumulative highest possible score for the semester:

A = 90-100%

B = 80-89%



C= 70-79%

D= 60-59%

F= below 60%

Students who have experienced extenuating circumstances can complete and submit the **Excused Withdrawal Petition** to request an Excused Withdrawal (EW) grade instead of the current Withdrawal (W) or non-passing (D, F, & NP) grades. The EW petition is available from the Admissions and Records Forms Webpage. Supporting documentation is required.

Reading Assignments:

See the semester schedule for reading assignments from the textbook. Be sure you read before each quiz. Studying the questions in the back of the chapter will help you prepare for these quizzes. There will be supplemental information aside from the textbook assigned throughout the semester that will be quizzed on as well.

Class Participation:

Consistent class attendance and active class participation is critical to your success in this course. You will receive no participation points on each class you miss, and you will receive partial credit if you are not actively engaged during class.

Class Information:

With this class being all day, we will take a short break during lecture and short break during lab. There will also be an opportunity for you to take a lunch break during class.



Prerequisites / Co-requisites / Recommended Preparation

Prerequisite to take this course: none.

However students should be prepared to read, comprehend, and write effectively to succeed in this course. (Successful operations of a variety of implements)





Educational Accessibility & Support



College of the Redwoods is committed to providing reasonable accommodations for qualified students who could benefit from additional educational support and services. You may qualify if you have a physical, mental, sensory, or intellectual condition which causes you to struggle academically, including but not limited to:

- Mental health conditions such as depression, anxiety, PTSD, or bipolar disorder
- Common ailments such as arthritis, asthma, diabetes, autoimmune disorders and diseases
- Temporary impairments such as a broken bone, recovery from significant surgery, or a pregnancy-related disability
- Neurodevelopmental disorders such as a learning disability, intellectual disability, autism, acquired brain injury, or ADHD
- Vision, hearing, or mobility conditions

Available services include extended test time, quiet testing environments, academic assistance and tutoring through the [LIGHT Center](#) 

(<https://www.redwoods.edu/services/sass/light.php>), counseling and advising, alternate formats of course materials (e.g. audio books or E-texts), assistive technology, learning disability assessments, approval for personal attendants, interpreters, priority registration, on-campus transportation, adaptive physical education and living skills courses, and more. If you believe you might benefit from disability- or health-related services and accommodations, please contact [Student Accessibility Support Services \(SASS\)](#)  (<https://www.redwoods.edu/services/sass/index.php>).

If you are unsure whether you qualify, please contact SASS for a consultation:

SASS@redwoods.edu (<mailto:SASS@redwoods.edu>).

SASS office locations and phone numbers

Eureka campus

- Phone: 707-476-4280,
- Locations: Student Services building, first floor SS113

Del Norte campus

- Phone: 707-465-2353
- Location: Main building, near the Library

Klamath-Trinity campus

- 707-476-4280

