



**Course Syllabus
SEMESTER
School of STEM**

<i>Course Name:</i>	Seeding & Tillage Equipment
<i>Course & Section Number:</i>	DSL 218-XXX
<i>Meeting Day(s) & Time(s):</i>	
<i>Credits:</i>	2
<i>Contact Hours:</i>	4
<i>Text:</i>	Service Center
<i>Instructor's Name:*</i>	
<i>Office Hours & Location:</i>	
<i>OCC Phone:</i>	
<i>OCC Email:**</i>	
<i>Additional Contact Information:</i>	

Catalog description:

Provides preventive maintenance procedures and record keeping experience and familiarizes the student with diesel-powered equipment. Additional instruction includes safety, lubrication, service operation and minor adjustments.

Prerequisite/Corequisites: None

Course Materials:

State the name of the text, course materials, and all required readings.

John Deere Service Center, pen, pencil, paper, Computer/laptop, clear safety glasses, torch tinted safety glasses, ability to print, John Deere uniform, access to internet outside the class room.

What You Will Learn in the Course

Course Objectives:

Course will...

Student Learning Outcomes:

Students will:

Outcome	Where Assessed
Correctly connect all electrical and hydraulic planter connections to a tractor.	Complete a detailed inspection sheet. Quizzes and Test complete lab sheets
Fold and unfold a planter correctly. Set up a planter for a customer field start up.	Complete a folding planter lab practical
Complete a Planter inspection	List all worn or damaged parts.

Technology, Lab, and File Requirements:

John Deere Service Center, pen, pencil, paper, Computer/laptop, clear safety glasses, torch tinted safety glasses, ability to print, John Deere uniform, access to internet outside the class room.

Academic Support

Disability Services Resource Center: If you have a disability or acquire one, you may be entitled to receive reasonable accommodations intended to assure you an equal opportunity to participate in and benefit from the program. To receive more information or to register for accommodations, please contact the Disability Resource Center at 567-661-7007, email disability@owens.edu, visit <https://www.owens.edu/disability/>, or stop by College Hall 124.

Tutoring Services: Owens Community College offers academic tutoring and assistance in a variety of subjects including: accounting, computing, economics, mathematics, science, and writing. For more information go to: <https://www.owens.edu/successcenters/>.

Counseling Services: Counseling Services provides assistance to students experiencing personal, educational, interpersonal/relationship, family, social, or psychological difficulties. If you feel you may benefit from this service, please contact them at counselingservices@owens.edu. More information is at <https://www.owens.edu/counseling/>.

Campus and Community Connections: The Center for Campus and Community Connections (College Hall 123) is a walk-in office created to provide retention support through resource stability initiatives and community connections. Go here for more information: <https://www.owens.edu/connection/> or contact connections@owens.edu

Owens Library: The Owens Library offers two locations (Toledo and Findlay) as well as online resources. For more information visit <https://www.owens.edu/library/>.

Students can find more information on campus resources, student support, student life, and security at this [link](#).

General Information

Student Code of Conduct: All students are expected to follow Owens Community College's Student Code of Conduct, which includes academic honesty, encompassing plagiarism. See the Board Policy for more information.

Anti-Discrimination and Harassment & Title IX/Sexual Misconduct: All students, faculty, and staff are expected to follow Owens Community College's Anti-Discrimination and Harassment Policy and the College's Title IX Policy/Sexual Misconduct Procedures and Guidelines. The College strictly prohibits and will not tolerate harassment, discrimination, intimidation, or hostile/offensive working or learning environments.

Religious Accommodations: A student seeking an accommodation for an absence permitted under Ohio's Testing Your Faith Act must provide the instructor with a written email notice with the specific dates for an absence, and must do so not later than fourteen (14) days after the first day of instruction. Alternative accommodations are not retroactive, and no academic penalty will be imposed for an absence under the policy*. The request for an alternative accommodation will be kept confidential. Students with questions about a religious accommodation under Ohio's Testing your Faith Act may contact the College's Office of Academic Affairs: provost@owens.edu. The policy may be found on the Owens website: [3358:11-2-63 Accommodation for a Student Absence for the Observance of Religious Beliefs and Practices Policy](#)

Document Collection: Throughout the semester, your instructors may ask for a variety of assignments including tests and/or quizzes for student learning of institutional general education competencies or program assessment. Please save all your class materials until the end of the semester.

Classroom Admittance: OCC classes shall only be attended by the officially registered OCC students or perspective students, instructor of record, guest lecturer, or substitute. Visitors are not permitted to be in the classroom and should not be invited to attend or participate in the class. See [FERPA](#) regulations for more information.

Use of AI Tools: This course requires you to complete various assignments that assess your understanding and application of the course content. You are expected to do your own work and cite any sources you use properly. You are not allowed to use any artificial intelligence (AI) tools, such as chatbots, text generators, paraphrasers, summarizers, or solvers, to complete any part of your assignments. Any attempt to use these tools will be considered academic misconduct and will be dealt with according to the Owens Community College academic integrity policy. Students are expected to complete all work independently and without the assistance of AI-generated content. If you have any questions about what constitutes acceptable use of AI tools, please consult with the instructor *before* submitting your work.

Student Responsibilities & Instructor Expectations

1. The student is responsible for all material discussed in class, handed out, seen or heard in visual/audio, or written on the board.
2. The student is responsible for all work assigned whether discussed in class or not.
3. Any missed classes, tests, or assignments is the responsibility of the student to ask the instructor what he or she may have missed. Excused absences included, sick, death, and emergency (all at the discretion of the instructor). 2 unexcused absences equals a drop in a letter grade, 3 unexcused absences is a 2 letter grade drop, 4 unexcused absences is a 3 letter grade drop, 4 unexcused the student fails the course. 2 tardies equal 1 unexcused absence.
4. The instructor, with permission of the chairman, whenever appropriate and necessary, reserves the right to amend, adjust, or deviate from the course outline and lecture topic areas to assure the students of the best possible education from the course.

Safety Glasses

Students will not be permitted to attend lab classes without safety glasses

Safety

Since personal safety is a major concern of both this College and the employers, students will be expected to conduct themselves in a safe manner at all times. Students will be required to follow safety requirements pertaining to: safety glasses, clothing, labs, and work procedures. (Remember SAFETY is everyone's job!)

Suggested Minimum Tool List

A list of tools are provided for the student's consideration. The tools are NOT required for this class but will be convenient for the student to own when employed and performing the tasks taught in this class.

How Grades are Determined and Major Assignments

The final course grade is to be computed using the following weights.

Evaluation Measure Value Student Learning Outcome Assessed

Lab: 60 %

Quizzes & Tests: 30%

Final: 10%

Grading Scale

Grading Procedure:

Grades will be calculated on the following scale.

94% and Above A

87% to Less than 93% B

78% to Less than 86% C

70% to Less than 77% D

Less Than 69% F

Tentative Class Assignments

Week	SLO	Topic	Due Dates
1	1,2,3	Topic- Agronomy. Understanding plant growth. Seed population ,seed, spacing even emergence of seed, planting window	Week 1
2	1, 2, 3	Topic-Electrical and Hydraulic theory. Students will understand the electrical and hydraulics systems and identify how to correctly hook up a planter to a tractor.	Week 2
3	1, 2, 3	Quiz 1 Lab practical. Student will perform a planter field start up setting all monitors up for the correct seed and population rates. Students will also fold and unfold planter correctly	Week 3

Week	SLO	Topic	Due Dates
4	1, 2, 3, 4,	Planter inspection. Students will complete a planter inspection. They will understand what worn or damaged parts to look for that can affect yield potential.	Week 4
5	1, 2, 3, 4,	Planter repairs. Students will complete planter repairs. Disk blade, parallel arm bushings, meter inspection, meter run off test.	Week 5
6	1, 2, 3	Sprayer theory. Student will learn the wet system of a John Deere sprayer. Student will understand spray rates and nozzle selection.	Week 6
7	1, 2, 3, 4	Electrical and hydraulics layout on a John Deere Sprayer. Student will trouble shoot boom folding and height issues. Will be quizzed on Sprayer wet system.	Week 7
8	2	Clean shop. Final Exam	Week 8