

**Western Illinois University – School of Agriculture**  
**AGTM 368: Agricultural Shop Skills (4)**  
**Course Syllabus – Fall 2021 “Subject to Change”**

**Course Meets:** MW 2:00 – 2:50 pm in KH 307      T/TH 1:00 – 2:50 pm in KH 307/B2  
**Text:** *Agricultural Mechanics: Fundamentals & Applications*, 5<sup>th</sup> Edition, ISBN: 1-4018-5956-9

**Instructor:** Dr. Daniel Atherton      **E-mail:** [DL-Atherton@wiu.edu](mailto:DL-Atherton@wiu.edu)  
**Office:** B 22 Knoblauch Hall      **Office Phone:** 309-298-2395  
**Lab Fee:** \$20.00  
**Office Hours:** M/W 11:00 to 11:50 or T/TH 12:00 to 12:50 or by appointment

**Course Description:** Principles and skills in metal and welding fabrication, wood working, plumbing, and repairs related to agriculture.

**Course Objectives:**

- Ability to identify defects related to agricultural systems
- Cut, solder, and weld metal for repair or fabrication of agricultural components
- Repair or install new plumbing to support agriculture
- Work with wood for repair or construction related to agriculture

**Attendance:** If at any time you miss the lecture or lab, please use the OARS system to report your absence ([www.wiu.edu/oars](http://www.wiu.edu/oars)). I will need the email generated from this system prior to class and not after. If I receive the email after class has ended then the late grade policies come into effect. It is the student’s responsibility to coordinate with the instructor to make up missed work. Quizzes may be given at any time and no makeup quizzes will be given unless the instructor approves the absence prior to missing class.

**Academic Dishonesty:** <http://www.wiu.edu/policies/acintegrity.php>

Any violation of the Academic Dishonesty Policy in Student Handbook will result in an automatic failure in the course. Plagiarism and cheating are areas of concern for this course. This course is designed to enhance your writing and presentation skills within your academic area, not the ability to copy other’s thoughts and ideas.

**Quality of Work Policy:** All assignments should be word processed with title of assignment, name, date, and a summary of the assignment included at the beginning of the assignment. Run spell-checker. If completing multiple-step problems, show all work. Your work should be neat and orderly.

**Attention Education Majors:** The changes within the state teaching license require all education majors to receive a grade of a "C-" or better in this course in order to meet Illinois teaching license requirements. With the university +/- grading system, receiving a "D+" or below will require you to retake this course or find a substitute course to meet School of Agriculture graduation requirements.

**Students Rights and Responsibilities:** <http://www.wiu.edu/provost/students.php>

**Assessment and Grading:** Your final grade is based on your overall weighted percent of the following:

<u>Component</u>	<u>Percentage</u>
Exam 1	15%
Exam 2	15%
Final Exam	20%
Quizzes	10%
Paper / Project	20%
Class & Lab Participation	20% (Participation includes attendance, discussion, and lab clean up)

**Grading Scale**

A	93 – 100%	A-	90 – 92%	B+	87 – 89%	B	83 – 86%
B-	80 – 82%	C+	77 – 79%	C	73 – 76%	C-	70 – 72%
D+	67 – 69%	D	63 – 66%	D-	60 – 62%	F	< 60%

**Final Grades:** Unless a computational error was made, grades will not be changed after the end of the semester. Please do not come to the instructor with “extenuating circumstances” for why your grade should be changed – the semester grade represents the level of work you completed over the semester.

**Late Assignments:** No late assignments will be accepted unless the instructor approves of turning in an assignment late prior to the assignment’s due date. Assignments will be due at the beginning of class on their due date. Hand written assignments will not be accepted unless instructed otherwise. Assignments will be written in 12 point font with 1” margins. Points will be deducted for incorrect spelling and grammar.

**Professional Learning Environment:** Please be respectful of your fellow students and the instructor and do your part to maintain the professional learning environment of this course. **Please silence your cell phones. Avoid texting during class.** Individual disruptions, such as **entering the classroom late, allowing your cell phone to ring audibly, engaging in unrelated activities (e.g., texting or surfing the web)** during class time, or **packing your belongings before class ends**, distract other students and detract from the quality of the learning environment for the whole class. Infractions will be noted and your class participation grade will suffer. The instructor reserves the right to ask for cell phones to be returned to students after the class period or to remove from group work a student who is demonstrating inadequate levels of participation.

**Policy on Student Absences:** Absence from class will be considered excused if the absence is (1) due to a required isolation or quarantine based on a (2) documented directive from a public health official or health provider, and (3) if the instructor of record receives notification through WIU Student Services. The student (4) remains responsible for contacting instructors to arrange to complete missed work as soon as possible and is (5) ultimately responsible for material covered in class.

**Policy on Taking Attendance and Seat Assignments:** WIU’s COVID protocols require that faculty for all face-to-face classes maintain a seating chart and take attendance to facilitate contact tracing. Students are required to sit in their designated seat during all face-to-face class sessions.

**Policy on Disruptive Students:** Students will face disciplinary action if they are found to be non-compliant with WIU’s COVID-19 Health and Safety Policy ([http://www.wiu.edu/policies/covid\\_safety.php](http://www.wiu.edu/policies/covid_safety.php)). Non-compliance may be considered disruptive student behavior and disciplinary action will follow general process outlined in disruptive student behavior procedures (<http://www.wiu.edu/policies/disrupst.php>) and/or other applicable enforcement measures applicable to the Code of Student Conduct.

**Disruptive Student Behavior:** <http://www.wiu.edu/vpas/policies/disrupst.php>

**ADA Compliance:** “In accordance with University policy and the Americans with Disabilities Act (ADA), academic accommodations may be made for any student who notifies the instructor of the need for an accommodation. For the instructor to provide the proper accommodation(s) you must obtain documentation of the need for an accommodation through Disability Resource Center (DRC) and provide it to the instructor. It is imperative that you take the initiative to bring such needs to the instructor's attention, as he/she is not legally permitted to inquire about such particular needs of students. Students who may require special assistance in emergency evacuations (i.e. fire, tornado, etc.) should contact the instructor as to the most appropriate procedures to follow in such an emergency. Contact Disability Resource Center (DRC) at 298-2512 for additional services.”

**University values, Title IX, and other federal and state laws prohibit sex discrimination, including sexual assault/misconduct, dating/domestic violence, and stalking. If you, or someone you know, has been the victim of any of these offenses, we encourage you to report this to the Title IX Coordinator at 309-298-1977 or anonymously online at: [http://www.wiu.edu/equal\\_opportunity\\_and\\_access/request\\_form/index](http://www.wiu.edu/equal_opportunity_and_access/request_form/index). If you disclose an incident to a faculty member, the faculty member must notify the Title IX Coordinator. The complete Title IX policy is available at: <http://www.wiu.edu/vpas/policies/titleIX>.**

**Tentative Schedule \*\*\* Scheduling and weekly topics are subject to change at instructor’s discretion \*\*\***

Week	Topic
Week 1	Course Intro., requirements, etc. + ID of common defects + project planning discussion
Week 2	Hand tools, shop safety review, cutting, fastening, and hand and power tools
Week 3	Labor Day – No Class + Project planning/drawings + shop work (wood)
Week 4	Complete prior material + Exam Review + <b>Exam 1</b> + shop work (wood / wood project)
Week 5	Cutting, welding, soldering, preparing metals + shop work (wood project)
Week 6	Finish metals activities + shop work (wood project)
Week 7	Arc and MIG Welding + shop work (wood project complete – system startup)
Week 8	Arc and MIG Welding + shop work (steel)
Week 9	Complete prior materials + shop work (steel)
Week 10	Exam Review + <b>Exam II</b> + shop work (steel project)
Week 11	Plumbing (copper, PVC, PEX) + shop work (steel project)
Week 12	Plumbing (copper, PVC, PEX) + shop work (steel project)
Week 13	Finish prior material + shop work (steel project)
++++++	Thanksgiving – No Class
Week 14	Shop work (steel project)
Week 15	Shop work (steel project complete – planning for next steps)

**Final Exam: Monday, Dec. 13<sup>th</sup> 3:00 - 4:50 pm**