**Instructor:** Nathan Hindman
**School Phone Number:** (325) 554-7755
**Email Address:** nathan.hindman@jimned.esc14.net

## Course: Ag Mechanics

### Course Description

All courses are centered on Agricultural Engineering and will contain various aspects of that. Students should be prepared to engage in multiple welding and cutting applications; personal, facilities, and equipment safety; electrical; hydraulic; paint; design, and any other applicable skill determined to be necessary for successful completion of course requirements.

**Current Course Prerequisites**

* **Ag Mechanics and Metal Technology** – Principles of Ag, Food, and Natural Resources
* **Ag Structures Design and Fabrication** – Ag Mechanics and Metal Technology
* **Practicum in Ag, Food, and Natural Resources (Block)** – All other Ag Mechanics Courses

**Resources & Materials Needed**

**Student-Supplied Materials:**

* 3 ring binder, notebook paper, and pen for classroom instruction
* Long Sleeve Shirt – 100% Cotton Denim
* Long Pants – (Blue Jeans or the equivalent)
* Closed toe boots or shoes

**Provided by Jim Ned Ag Department:**

* Welding Helmet
* Leather Gauntlet Welding Gloves
* Z87.1 OSHA approved Safety Glasses
* A locker for storage

Students will be assigned an individual locker to store their safety equipment and clothing. Students may provide their own safety equipment (welding hood, gloves, safety glasses, etc.); however, Jim Ned CISD and the Ag Department will not be responsible for those items.

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### Grading Policy

| **Grade** | **Percent** | **Description** |
| --- | --- | --- |
| A | 90-100 | Excellent/Superior Performance Level |
| B | 80-89 | Above Required Performance Level |
| C | 70-79 | Minimum Required Performance Level |
| F | Below 70 | Below Required Performance Level |

**Grading Scheme:** Students will be graded on two major aspects of industry-based schematics: safety and employability.

**Safety:** Each day, students will have the opportunity to earn 20 points in safety, for a total of 100 points per week. This is an all-or-nothing grade. Students must be dressed according to safety standards, including safety glasses worn at all times and other PPE as required by tasks. Failure to meet these standards results in loss of all 20 points for that day.

**Employability:** Each day, students will have the opportunity to earn 20 points in employability. Employability will be graded on: **Work** (stay on task, be productive), **Respect** (follow directions, treat others and equipment appropriately), **Dependability** (arrive on time, prepared), **Grit** (persevere, solve problems, approach challenges positively), and submission of **Daily Time Sheets** in Google Classroom.

### Instructor’s Participation Policy

All students are expected to be in attendance during their scheduled periods of instruction (lecture and lab). This begins with the first scheduled class day of the semester. Attendance and tardy issues will be followed according to the Jim Ned CISD Student Handbook. Any missed instruction relating to safety or equipment operation must be completed prior to performing the related lab activities.

Attendance is an essential part of your final grade. It is the student’s responsibility to contact the instructor for any make-up lecture or lab time. Any make-up work will be at the instructor’s discretion.

## Discipline and Safety Policy

### Purpose

The Ag Mechanics program involves hands-on work with welding, cutting, and other equipment that require strict adherence to safety procedures. This discipline policy aligns with the Jim Ned CISD Student Code of Conduct and campus rules and ensures a safe, respectful, and productive shop environment.

### Expectations

Students are expected to:

* Follow all Jim Ned CISD and campus rules at all times.
* Wear and use required PPE (safety glasses, welding hood, gloves, etc.).
* Operate tools and equipment only with instructor permission and proper training.
* Respect classmates, staff, tools, and property.
* Remain on task and avoid horseplay or unsafe behavior.
* Arrive prepared with proper attire (closed-toe shoes, jeans, long sleeves).

### Prohibited Behaviors

* Horseplay, running, or unsafe acts in the shop.
* Tampering with or misusing equipment.
* Refusing to follow safety instructions or wear PPE.
* Unauthorized use of power tools or welding equipment.
Disrespectful or disruptive behavior.
* Possession of prohibited items (per district policy, e.g., tobacco, vapes, weapons).

### Discipline Procedures

Progressive steps will be followed unless behavior warrants immediate referral:

1. **Verbal Warning** – Students are reminded of expectations.
2. **Documentation & Parent Contact** – Incident recorded; parent/guardian notified.
3. **Disciplinary Action / Loss of Privileges** – May include detention, safety review, or temporary removal from shop activities.
4. **Administrative Referral** – Severe or repeated infractions sent to campus administration per Student Code of Conduct.

### Safety Violations

* Immediate removal from the shop for unsafe acts.
* Students must complete re-training and pass safety assessments before returning to lab activities.

**Restitution**

Intentional damage to tools, equipment, or property will require repair or replacement costs per district policy.

### Acknowledgment

Students and parents must review and sign this discipline and safety policy along with the syllabus before participation in lab activities.

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## Student/Parent Agreement

I, \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ agree to abide by all
 *(Student name)*course rules, laboratory rules, and guidelines for Ag Mechanics. I agree to furnish all necessary supplies, materials, and clothing required for the course. I further agree to abide by the class syllabus as described above. Students enrolled in this course should understand that they will be a member of Jim Ned FFA and will have an opportunity to participate in exhibiting agriculture mechanic projects in major shows as well as become active in the Jim Ned FFA Chapter.

Student Signature: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date: \_\_\_\_\_\_\_\_\_\_\_\_

Parent/Guardian Signature: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date: \_\_\_\_\_\_\_\_\_\_\_\_

Please return signed agreement page by **August 29th, 2025**.