

**Dallas High School
Home of the Dragons
Ag Mechanics Fall
2019-2020**

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Office Hours: By arrangement.

Prerequisite: None

Course Description:

This is an entry level course designed to introduce students to metals and welding. Students will demonstrate proficiency in tool identification, safe shop practices, proper set up, use, and shut down procedures for Oxyacetylene welding, SMAW, and GMAW. The skills outlined in the class are meant to meet the Linn Benton Community College requirements for their College Now WD 4.151 and WD 4.242 courses. At the time that articulation agreements are in place we hope to offer this course to DHS students through the College Now program.

Texts and Lab Manuals:

None Assigned

Course Outline: First Semester

	Unit Topic	Summative Assessment	Standards
Unit 1	Careers in manufacturing	A labs, practicums, and presentations	AG 02.01 USE ORAL AND WRITTEN COMMUNICATION SKILLS AG 06.03 - UNDERSTAND APPROPRIATE HEALTH AND SAFETY EMERGENCY PROCEDURES AG 06.02 - IDENTIFY HEALTH GOALS, EMERGENCY PROCEDURES FOR SAFETY AND FIRST-AID

Unit 2	Metals and their properties	Physical properties of metals lab Unit exam	PST 01. - Use physical science principles and engineering applications with power, structural and technical systems to solve problems and improve performance.
Unit 3	Project planning and CNC	Project based	AGPT02 OPERATE AND MAINTAIN MECHANICAL EQUIPMENT RELATED TO AFNR POWER, STRUCTURAL, AND TECHNICAL SYSTEMS.
Unit 4	SMAW – Arc welding	Practicum, presentation, and Quiz	AG 10.02 - USE TOOLS, EQUIPMENT, MACHINERY AND TECHNOLOGY
Unit 5	GMAW – MIG welding	Practicum	AG 10.02 - USE TOOLS, EQUIPMENT, MACHINERY AND TECHNOLOGY

Standards to Be Assessed:

Upon successful completion of the course, students should be able to:

1. AG 02.01 - USE ORAL AND WRITTEN COMMUNICATION SKILLS IN CREATING, EXPRESSING AND INTERPRETING AGRICULTURAL INFORMATION AND IDEAS INCLUDING TECHNICAL TERMINOLOGY.
2. AG 03.01 - SOLVE AGRICULTURE PROBLEMS USING CRITICAL THINKING SKILLS (E.G., ANALYZE, SYNTHESIZE AND EVALUATE, INDEPENDENTLY AND IN TEAMS).
3. AG 06.02 - IDENTIFY HEALTH GOALS, EMERGENCY PROCEDURES FOR SAFETY AND FIRST-AID FOR AGRICULTURAL WORKPLACES AND OCCUPATIONS
4. AG 06.03 - UNDERSTAND APPROPRIATE HEALTH AND SAFETY EMERGENCY PROCEDURES FOR AGRICULTURAL OCCUPATIONS.
5. AG 10.02 - USE TOOLS, EQUIPMENT, MACHINERY AND TECHNOLOGY TO WORK IN AREAS RELATED TO AGRICULTURE.
6. PST 01. - Use physical science principles and engineering applications

7. PST 04. - Plan, build and maintain agricultural structures.

Career Related Learning Standards: Career-related learning standards (CRLS) are fundamental skills essential for success in employment, college, family, and community life. We have integrated the Personal Management standard from the CRLS into all courses at DHS. **This standard will be assessed and communicated independent of the academic grade.** It is included below and mainly includes behaviors that will be assessed in this course.

- **Personal Management Standard:** Exhibit appropriate work ethic and behaviors in school, community and workplace.
- Students will identify tasks that need to be done and initiate action to complete the tasks.
- Students will plan, organize and complete projects and assigned tasks on time, meeting agreed upon standards of quality.
- Students will take responsibility for decisions and actions and anticipate consequences of decisions and actions.
- Students will maintain regular attendance and be on time daily.
- Students will maintain appropriate interactions with colleagues.

Grading and Assessment:

CDL Grading Scale:

90-100	Mastery	A
80-89	Exceeds	B
70-79	Meets	C
50-69	Nearly Meets	D
0-49	Does Not Meet	NG

(Note the change in the D range, to 50-69%)

Personal Management (PM) and Summative Assessment (SA) grades have been removed. Students will receive one overall grade per course.

+/- have been removed. Students will receive straight A, B, C, D, or NG marks without pluses or minuses.

Academic Integrity: We expect students to express academic integrity by doing their own work and properly documenting information gathered from other sources. Students who violate the principles of academic integrity will be subject to disciplinary consequences (see Insubordination section of the online student agenda).

Extra Credit: Extra credit is not offered, however students may be given additional opportunities to show mastery.

Attendance:

Dallas High School: Student Attendance “Every Student, Every Class, Every Day”

ODE established the following definitions and guidance. Attendance includes both participation in class activities and interaction with a licensed or registered teacher during a school day or interactions with educational assistants and paraprofessionals through teacher designed and facilitated processes.

Interaction can be evidenced by **any of the following** or reasonable equivalents:

- Participating in a (live) video class;
- Communication from the student to the teacher via chat, text message or email;
- A phone call with the student, or, for younger students, with the parent;
- Signing in to a learning management system (Canvas) or via email;
- Turning in completed coursework on a given day.

When there is no evidence of student interaction during a 24-hour period surrounding a scheduled school day as described, students are reported as absent. A day present for attendance may not be claimed for weekends or holidays, per ORS 336.010 and 187.010, or any other day during which a licensed or registered teacher is not available to students.

Virtual Meeting Etiquette:

Dallas High School is using Zoom as its primary video conferencing platform. We need your help to ensure these tools are being used appropriately.

Here are some ways we can all ensure to have productive and safe video conferencing:

- All content shared in video conferencing is for educational use only.
 - By accessing the material, students and families agree not to share content with anyone not enrolled in the class or assisting an enrolled student.
 - Unauthorized distribution of any distance learning content, including sharing video recordings, or screenshots of the internet or social media, is prohibited.
 - Please be mindful of the immediate environment and activities that are taking place around you while video conferencing.
 - The Student Conduct Code applies during Comprehensive Distance Learning as it would in the traditional classroom setting.
 - Students are to dress appropriately for these video conferencing times.
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- Please assume all video conferences will be recorded. Teachers will seek to remind students at the beginning of each session that the conferencing is being recorded. It is important to note that these recorded videos are only being shared between teachers and students who share an account domain that is password protected. No videos will be made public for any reason.

Due to confidentiality issues, students and families are asked to not take photos, audio or video from these conference sessions.

Cell Phones and Electronic Devices:

Student Electronic Devices at Dallas High School: Upon entering the classroom, all students who are in possession of an electronic device are expected to deactivate the device and stow it away into Yondr pouches for the entire classroom period. The student is to remain in possession of their electronic device while in the Yondr pouch. If a student refuses to deactivate and stow the device away into a Yondr pouch, they will be referred to the main office for Dallas High School's disciplinary action. It is vital that all students comply with this policy to ensure an optimal learning environment.