



Vocational Welding / Syllabus 2011

Instructor Information:

Instructor Name	Zinn
EICCD e-mail	zinna@davenportschools.org
EICCD Voicemail	N/A

Course Information:

Course Number	241511,241521
Section Number	1-3
Start / End Time	6:45-9:15
Days of Class	M-F
Prerequisites Needed	Basic/Advanced Welding

Specific Class Information:

Description: The third in a sequence of four welding courses designed to build on the skills learned in the basic and advanced level course. This program is designed to provide successful completers with the skills necessary to enter the industrial field of welding as an entry level welder. Employability skills are a major aspect of this program.

Attendance Policy: This class is largely a lab based class with individual student work in the weld booths taking place nearly everyday. A lecture format will be used when necessary and homework will be required. Attendance will be the major component in successful completion of the course and all assignments will be completed before welding will be allowed, no exceptions.

Grade Calculation: Students will be able to estimate their placement on the grading scale daily by referencing a grade chart. Mid-quarter reports will also be sent home to parents as well as the quarterly grade. Grades will be based on averaging the top three student point totals and basing the scale from that point.

General Course Goals / Outcomes:

Power Standards

Students will be able to:

1. Utilize hand tools in their proper application in a safe manner.
2. Set up and troubleshoot welding parameters.
3. Complete welds in the major processes: SMAW, GMAW, GTAW.
4. Operate efficiently in a full functioning manufacturing environment

Power Benchmarks

Students will be able to:

1. Apply shop and equipment safety rules in accordance with Occupational Safety and Health Association guidelines.
2. Evaluate a weld for imperfections and code specifications.
3. Demonstrate the ability to properly dial in a machine to the proper welding parameters.
4. Demonstrate the ability to successfully complete SMAW welds in the flat, horizontal, and vertical positions.
5. Demonstrate the ability to successfully complete GMAW welds in the flat, horizontal, and vertical positions.
6. Demonstrate the ability to successfully complete GTAW welds in the flat, horizontal, and vertical positions.
7. Demonstrate the ability to safely set up and utilize a cutting torch operation.
8. Properly use a plasma cutting machine to part an piece of raw material.
9. Demonstrate the ability to properly troubleshoot a GMAW wire feeding mechanism
10. Demonstrate the ability to properly don personal protective gear during the completion of out of position welding operations.

How to Access E-Bridge: Visit www.eicc.edu/students/ click on the  logo and log in.

- ✓ Your user name is the first letter of your first name and your complete last name, lower case.
- ✓ Your initial password is set as the last 6 digits of your SSN or your birth date (MMDDYY).
- ✓ You may be prompted to change your password during your first visit to *e-bridge*. Your password must be 6-9 characters in length and contain both letters and numbers. YOU are responsible for remembering your password.
- ✓ Select *e-bridge* for students.
- ✓ From here you may access Grades, Schedules and Financial information or even Register for classes.
- ✓ Be sure to logout after you complete your transactions.
- ✓ If you have questions contact 563-441-4000

College Information: Visit www.eicc.edu. To access the calendar with dates pertaining to the class schedule, go to *Current Students>Academic Information>Academic Calendar*.

Academic Accommodation:

Anyone who feels they may need an academic accommodation based on the impact of a documented disability should contact the learning specialist at the Kahl Education Center 563-336-5210 or at the Belmont campus 536-441-4027 to arrange an appointment as soon as possible. At the appointment, course format, individual needs, and potential accommodations will be discussed. This service is FREE and confidential.

District Grading Percentages:

A	93 and above	Firm command of knowledge domain High level of skill development Exceptional preparation for later learning
A⁻	90 - 92	
B⁺	87 - 89	Command of knowledge beyond the basic concepts of knowledge Advanced development of most skills Has prerequisites for later learning
B	83 - 86	
B⁻	80 - 82	
C⁺	77 - 79	Command of the basic concepts of knowledge Demonstrates ability to use basic skills Lacks a few prerequisites for later learning
C	73 - 76	
C⁻	70 - 72	
D⁺	67 - 69	Lacks knowledge of some fundamental ideas Some important skills not attained Deficient in many of the prerequisites for later learning
D	63 - 66	
D⁻	60 - 62	
F	59 and below	Most of the basic concepts and principles not learned Most essential skills have not been demonstrated Lacks most prerequisites needed for later learning