WLD 170 Blueprint Reading for Welding
2016/2017 COURSE SYLLABUS

Instructor: Jason Weddle
Email: Jason.weddle@casey.kyschools.us
School: Casey County Area Technology Center
Address: 1723 East KY 70 Liberty, KY 42539
Office Hours: 8:00am-4:00pm Monday-Friday
Phone: (606) 787-6241

TEXT AND SUPPLIES:

Welding Skills 5th Edition, ATP Publishers
1 or 2 inch 3 ring binder – supplied by student
Safety Glasses (First Pair Provided by School)
Order forms for gloves jackets and helmets with price sheet will be provided

DESCRIPTION:

This course provides a study of occupationally specific prints for welders. Advanced study of multi-view drawings, assembly drawings, datum dimensions, numerical control drawings, sheet metal prints, castings and forgings, instrumentation and control charts and diagrams, working drawings, geometric dimensioning and tolerance and use of reference materials and books are included. Occupational specifics including welding drawings, symbols, joint types, grooves, pipe welding symbols, testing symbols, and specification interpretations are stressed.

Pre-Requisites: WLD 151/Cutting Process or Consent of Instructor

GOALS:
WLD 170 TASK LIST

1. Practice and perform safe shop procedures at all times.
2. Apply the technical math required for employment opportunities in welding
3. Perform all duties with emphasis on integrity, responsibility, quality, discipline and teamwork.
4. Interpret lines
5. Interpret views to include AWS (ISO symbols optional).
6. Interpret conventional and datum line dimensions.
7. Interpret and apply tolerances.
8. Interpret section lines.
9. Interpret sectioning.
10. Interpret and apply American Welding Society welding symbols.
11. Interpret and apply International Standard welding symbols.
12. Draw shop sketches.
13. Interpret various types of prints to include fabrication, repair, structural steel, and piping prints.
14. Read and interpret blueprints.
15. Complete projects from prints.

16. Practice controlling distortion.
17. Practice repairing distortion

COURSE REQUIREMENTS:

1. Successfully complete all written assignments/tests
2. Complete all lab projects
3. Abide by all Lab Safety Rules

EVALUATION PROCEDURES:

1. Daily Grade	50%
2. Performance Tests in Shop	25%
3. Tests/Quizzes	25%

GRADE ASSIGNMENT:

90-100	A	60-69	D
80-89	B	0-59	F
70-79	C		

MAKE UP WORK: TESTS, QUIZZES, AND IN-CLASS AND LAB ASSIGNMENTS

●Students can make-up lost lab time from 3:00 PM to 4:00 PM - with pre approval
●Students will have three days to make-up any excused absence and still receive full credit
●Students can be on homebound for no more than two weeks in any welding class, due to the majority of the class being focused on the lab
●Students that become unable to work for any reason must also find alternate means after two weeks

FEES

●Students will be furnished with one pair of safety glasses at the beginning of the year, if they become lost or broken students must purchase their own.
● Students must purchase their own gloves.
●The school provides welding jackets and helmets for students to <u>share</u> at no cost – All students are encouraged to purchase their own welding supplies if possible.
●Lockers w/locks are provided for personal storage.
● Hearing protection will be provided by the school when needed.
●Students must pay for any lost or damaged books at cost before graduation.
●Field trips may require a fee for registration and transportation.

Classroom and Shop Rules for Welding

1. **<u>No unsafe acts</u>** of any kind will be tolerated in the classroom or shop. Examples are
   - Running
   - Hitting
   - Pushing
   - Tripping
   - Throwing
   - Or any other form of horseplay
2. **<u>No tobacco/electronic smoke devices (e-cigs)</u>** use of any kind.
3. **<u>No food or drinks</u>** allowed in classroom or shop unless authorized by instructor.
4. **<u>No inappropriate</u>** language or jesters.
5. **<u>Students will be</u>** in their seats, quiet, and ready for daily instruction when the tardy bell rings.
6. **<u>Safety glasses</u>** are to be worn at all times in the shop. No exceptions!!!
7. **<u>Cutting goggles</u>** are to be worn at all times in shop when cutting or brazing. No exceptions!!!

8. **Gloves and other PPE** shall be worn in the shop at all times when.
    - Welding
    - Grinding
    - Cutting
    - Or any other activity where needed
9. **Absolutely no** ***shorts, tank-tops, sandals, or flip flops*** allowed in the **shop**. Long hair must be tied back while working in the shop.
10. **Cleaning** is everyone's job! Do your assigned area.
11. **Students must make** 100% on all safety tests.

I will abide by these rules of the shop and classroom.
Student/Date-_____
Parent or Guardian/Date-_____