

HAGERSTOWN COMMUNITY COLLEGE
OFFICIAL MASTER SYLLABUS DOCUMENT

COURSE: INT 106 Welding

CREDITS 3

INSTRUCTOR:

SEMESTER: Fall 2017

COURSE DESCRIPTION:

This is a basic welding class. No welding experience is necessary. Oxyacetylene (welding and cutting), arc welding and soldering and brazing are explored with hands-on training provided. Students work on class competencies, at their own pace, beginning with safety practices and set-up in each area. Total of 45 hours of lecture. Course fee required.

REQUIRED TEXT:

Welding Principles and Applications Eighth Edition; Larry Jeffus
ISBN: 13:978-1-4180-5275-1

STUDENT LEARNING OUTCOMES:

On successful completion of this course, students should be able to:

- Describe weld shop safety practices and procedures
- Recognize and set up welding and cutting equipment
- Recognize and understand industry welding terminology
- Understand the differences in welding with each type of current on relationship to the welding process
- On an entry level be able to torch cut, plasma cut, and weld common metals using oxy-fuel, AC/DC arc, MIG and TIG welding equipment
- Recognize signs and causes of weld joint failure

TOTAL HOURS OF COURSEWORK:

To earn one academic credit at HCC, students are required to complete a minimum of 37.5 clock hours (45 minute “academic” hours) of coursework per semester. Those hours of coursework may be completed through a combination of hours within the classroom and hours outside the classroom. Certain courses may require more than the 37.5 minimum hours of coursework per credit. For most classes, students should expect to do at least 2 hours of coursework outside of class for each hour of in-class coursework. Since this is a three academic credit class the student should expect to do at least 9 academic hours per week including class time.

Assignment/Assessment	Clock Hours
In-class Instruction	45
Textbook Chapter Readings	15 hours
Study of Manuals for Hands-on Activities	15 hours
Chapter Review Questions and Answers	15 hours
Research Assignments	15 hours
Exam Preparation	20 hours
	Total hours=125 hours

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Services for Students with Disabilities: Students may receive reasonable accommodations if they have a diagnosed disability and present appropriate documentation. Students seeking accommodations are required to contact the Disability Support Services (DSS) office as early as possible. Students may contact a DSS staff member for an appointment at dss@hagerstowncc.edu or at 240-500-2530.