

**MAYLAND COMMUNITY COLLEGE
Welcomes You To:**

**Welding 112 Section 40
Basic Welding / Bonding Processes
2 Credit Hours and 2 contact Hours**

Fall 2005

COURSE DESCRIPTION

This course introduces the most commonly used processes within the welding industry. Topics include safety, equipment set-up, operation of equipment, skills techniques, and creativity. Emphasis is placed on puddle flow, bead deposition, various joints, defects, electrode choices, and metals understanding. Upon completion, students should have a well rounded understanding of the most commonly used processes the industry today, and demonstrate their skills within those processes. .

Prerequisites: None

Corequisites: None

Instructor Information

Instructor:	Brian Greene
Office Location	Avery Campus
Telephone Number:	733-5883
Office Hours:	n/a

Course Information

Course schedule: Monday through Friday.

Required Text: Welding: To be issued

Required Supplies: None / Personal welding shields can be used if desired

Course Objectives / Competencies:

1. Learning the set-up and shut-down of oxyfuel and arc welding equipment.
2. Develop bead deposition skills with the GMAW (Mig), SMAW (Stick), and Oxyfuel flame processes.
3. Trouble-shooting out of equipment and process difficulties
4. Safety measures while using the various welding systems

Attendance Policy / Tardiness / Make-up Work:

You are expected to attend all class sessions. However, it is understood that in the case of an emergency absences may be necessary. The student is responsible for any missed work and is expected to be prepared for the next class session. Any student who misses more than 6 class sessions will fail the course, unless excessive days are made up.

Grading Criteria / Tests / Projects:

1. Demonstrating your growth with process skills.
2. Demonstrating your ability to troubleshoot away from expected difficulties
3. Showing a determined effort to learn with skills practice
4. Final written exam

Grading scale:

PROCESS	TROUBLESHOOTING	EFFORT	
A = 93-100	Exceptional	Easily	100%
B = 85-92	Sound	Good	90%
C = 77-84	Acceptable	Satisfactory	80 %
D = 70-76	Poor	Struggles	70%
F = 69	Unacceptable	Cannot	Below 70%

Inclement Weather Procedures:

Please go onto MCC's web page and review the inclement weather procedures. - High school programs are subject to the schools inclement weather policy.

Academic Standards / Student Expectations / Ethics:

It is unethical to use or present any other person's work as your own. This includes paraphrasing and / or directly copying from other student's work. Any person found to be cheating may be subject to one or more of the following actions:

1. No credit for a test or assignment during which cheating took place.
2. Permanent removal from the class.

The right due process will never be denied, and any student who feels that he / she has been wrongly accused may appeal the decision. The proper grievance procedure may be obtained from the Student Services Office