Multi-State Advanced Manufacturing Consortium

US DOL SPONSORED TAACCCT GRANT: TC23767

PRIMARY DEVELOPER: Kevin Ridge, Welding Instructor, Henry Ford College

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Henry Ford College – Competency Based Welding Program
Explanation of Competency Based Education

HENRY FORD COLLEGE

Competency Based Education

The Welding Program here at Henry Ford College uses a system of learning called Competency-Based Education (CBE).
This competency-based welding program is centered on teaching specific job skills required in industry and mastery of these skills.

CBE is a very personalized teaching system that has the following characteristics:
- Ongoing Program
- Open entry- flexible schedule
- Credit granted for work completed
- Evaluation (grades) based on performance
- Fixed content in each course
- Variety of student levels served in each class
- Work at your own pace
- Live or taped lectures and demonstrations

This competency-based program has several very important benefits for you:
- You will be given a list of the skills and knowledge needed to complete the program successfully.
- Your performance will not be compared to that of other students, but to a fixed standard, which has been set for the program.
- If you have already acquired certain skills required for this program, you may simply demonstrate this and begin focusing your attention on new skills.
- You will be able to review learning materials several times in order to attain the skill or knowledge.
- If you are able to attain the skills easily, you may progress through the program faster than the average person. If you progress through the program faster than average you can graduate in a shorter time frame.

What's Required of You:
For this system to work, you will be expected to:
1. Assume the responsibility for your own learning. Your instructor will give you assistance, but

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the actual responsibility for learning rests with you, the student.

2. Utilize the materials provided for you. The program's resources have been carefully chosen and developed to help you learn.
3. Devote your energy to attaining the skills and knowledge required for your program.

The Instructor's Role:

The instructors in HFC's Welding Program work with students individually and guide them through the learning process with the help of many different learning resources. In CBE, instructors are often referred to as learning managers because they manage the activities in the program and facilitate the learning process. If you are having difficulty, you should go to your instructor with your problem. The instructor's goal is to find the most effective way to help you learn the tasks in the program.

How your grade is computed in this program:

If your class is a designated lecture module, your grade will be based off of an exit quiz. When a passing grade is complete, you will be able to move on to the next module.

If this class is a designated lab module, your grade will be based off of a grading matrix. You will evaluate your competencies along with the instructor.

Criteria	Points	Information	Grade
Follow Safety Rules for Project	**10**		
Welding Machine was Set Correctly	**10**		
Followed Instructions Given	**10**		
Correct Assembly and Fit-up	**10**		
Visual Inspection of Weld	**10**		

Grading Scale:
A+= 100-98
A = 97-93
A-= 92-90
B+= 89-87

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B = 86-83
B-= 82-80
C+= 79-77
C = 76-73
C-= 72-70
D+= 69-67
D = 66-63
D-= 62-60
E = 59-below

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