SME Course Outline Report

College: Lakeland Community College

Specific Course: WELD 2400 Welding Inspection

Prepared By: Charles Cross, Consultant

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Submitted To: Lorain County Community College

Consultant Credentials: Charles Cross has a B.S. in Technology Education, M.Ed. in Technology Education, and is an American Welding Society (AWS) Certified Welding Inspector (CWI), Certified Welding Educator (CWE), and Certified Welding Supervisor (CWS). Mr. Cross gained tenure in public education as an Industrial Arts/Technology Education Instructor prior to his current employment earning a Golden Apple Award. Mr. Cross has been at his current employer, Lincoln Electric for over six years and is currently the Senior Customer Training Instructor at the Welding Technology Training Center. Current focus areas are industrial/educational training around welding and welding technologies.

Evaluation Method: The rubric below was used to evaluate that core curricula meets industry standards.

Review Scale Definitions:
0: Evident
1: Not Evident
N/A: Not Applicable

1. Program/Course Overview: *The overall design of this course is made clear to the student.*	**Evident**	**Not Evident**	**N/A**
1.1 The program/course outcomes are clearly stated.	X		
1.2 Prerequisites and/or any competencies are clearly stated.	X		
1.3 Learning outcomes are specific and appropriately designed for course.	X		
1.4 Course outcomes align to an occupational focus.	X		
Comments or recommendations: There is no prerequisite for this class which is appropriate.			
2. Resources and Materials: *Instruction materials align with stated course outcomes.*	**Evident**	**Not Evident**	**N/A**
2.1 The course materials, activities, and outcomes are relevant/reflect industry workforce development needs.	X		
2.2 The instructional materials on course content provide quality options for different learning styles.	X		
2.3 The learning activities are designed at an appropriate level for the course.	X		
2.4 Equipment/technology support course learning outcomes and are relevant to industry.	X		
Comments or recommendations: Welding inspection tools, equipment, and processes are mentioned throughout the outline. Items students must furnish are stated in the course description.			

3. Learner Activities and Relevancy: *Course outcomes are relevant to students, industry and employers.*	**Evident**	**Not Evident**	**N/A**
3.1 Course outcomes provide content that is relevant to industry and employers.	X		
3.2 Instruction, activities, and assignments are relevant and engaging to students.	X		
3.3 Learning activities align to industry workforce development initiatives.	X		
Comments or recommendations: Weld inspection is an important aspect for students to learn in a welding program. It is relevant to an occupation in the welding industry. AWS and ASNT references are made throughout the course outline to align to industry standards.			

4. Assessment and Measurement: *Assessment strategies use established ways to measure effective learning, evaluate student progress by reference, to stated learning outcomes, and are designed to be integral to the learning process.*	**Evident**	**Not Evident**	**N/A**
4.1 The course evaluation criteria/course grading policy is stated clearly on the outline.	X		
4.2 Course-level assessments measure the stated learning outcomes and are consistent with course activities and resources.	X		
4.3 Assessments are varied and appropriate to the content being assessed.	X		
Comments or recommendations: Several instructional and grading procedures may be used throughout the course.			

Overall Summary:

This course outline on Welding Inspection is a model and aligns to industry standards, however the top is stated this is a work in process version, not yet approved. This course is dedicated to students getting a strong understanding of welding inspection methods, tools and equipment, applications among other topics. It is appropriate to see a course dedicated to welding inspection since it so relevant to the welding industry and a person getting an occupation in the field. It was nice to see references to AWS and ASNT to align this course to industry standards. As a recommendation, it may be valuable to add ANSI Z49.1 as topic in the course outline to cover other safety topics not mentioned. Another safety reference that may add value to use is the American Welding Society Safety & Health Fact Sheets.

Reviewers Signature: Charles Cross **Date: 6/19/18**

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