

## SME Course Syllabus Report

**College:** Lakeland Community College

**Specific Course Reviewed:** WELD 2400 Welding Inspection

**Prepared By:** Charles Cross, Consultant

**Date Completed:** 6/19/2018

**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**

<b>1. Program/Course Overview:</b> <i>The overall design of this course is made clear to the student.</i>	<b>Evident</b>	<b>Not Evident</b>	<b>N/A</b>
1.1 The program/course objectives are clearly stated.	X		
1.2 Learning objectives are specific and appropriately designed for course.	X		
1.3 Learning objectives describe outcomes that are measurable.	X		
1.4 Course objectives/outcomes align to an occupational focus	X		
Comments or recommendations: It is nice to see a dedicated course to welding inspection to prepare students for the welding industry.			
<b>2. Resources and Materials:</b> <i>Instruction materials align with stated course objectives and outcomes.</i>	<b>Evident</b>	<b>Not Evident</b>	<b>N/A</b>
2.1 The instructional materials contribute to the achievement of the stated course learning objectives.	X		
2.2 The course materials, activities, and outcomes are relevant/reflect industry workforce development needs.	X		
2.3 The instructional materials on course content provide quality options for different learning styles.	X		
2.4 The learning activities are designed at an appropriate level for the course.	X		
2.5 Equipment/technology support course learning objectives and are relevant to industry.	X		
Comments or recommendations: There is no textbook required, however it is up to the discretion of the instructor. A recommendation of text book would be Welding Inspection Technology ISBN: 978-0-87171-579-1 as a resource. Welding inspection tools, equipment, and processes are mentioned throughout the outline. Items students must furnish are stated in the course description.			

<b>3. Learner Activities and Relevancy:</b> <i>Course objectives and outcomes are relevant to students, industry and employers.</i>	<b>Evident</b>	<b>Not Evident</b>	<b>N/A</b>
3.1 Learning objectives describe outcomes that are measurable.	X		
3.2 Course outcomes and objectives provide content that is relevant to industry and employers.	X		
3.3 Instruction, activities, and assignments are relevant to and engaging to students.	X		
3.4 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.			
<b>4. Assessment and Measurement:</b> <i>Assessment strategies use established ways to measure effective learning, evaluate student progress by reference, to stated learning objectives, and are designed to be integral to the learning process.</i>	<b>Evident</b>	<b>Not Evident</b>	<b>N/A</b>
4.1 The course evaluation criteria/course grading policy is stated clearly on the syllabus.	X		
4.2 Course-level assessments measure the stated learning objectives 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 syllabus on Welding Inspection is a model and aligns to industry standards. 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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