

## SME Report

**College:** Cuyahoga Community College

**Specific Course Reviewed:** ISET 2160 Structural Fabrication Course Outline, Syllabus Rev. 1, Syllabus Rev.3

**Prepared By:** Frank M Dragolich, Jr., Consultant

**Date Completed:** July 05, 2018

**Submitted To:** Lorain County Community College

**Consultant Credentials:** Frank Dragolich is a 29 year employee at The Lincoln Electric Company. He has worked in multiple departments over that 29 year stretch, including: consumables manufacturing, inspection, application engineering, and now technical training. During the 12 years he worked in the application engineering department, he had the opportunity to write hundreds of technical reports, and was used as an SME for multiple projects, including owner's manuals, technical welding guides, consumables catalogs, etc. He co-wrote multiple articles for the AWS Welding Journal, and co-wrote the Lincoln Electric Flux Cored Welding Guide. He has also been an SME for the technical education department, and is in the process of writing the new Lincoln Electric Submerged Arc Welding Guide. He is an AWS Certified Welding Inspector, Certified Welding Educator, and an ASNT ACCP Level II Visual Testing Inspector and is currently the supervisor for The Lincoln Electric Accredited Testing Facility (ATF). He is trained and fluent in all welding processes, and expert level in SAW (submerged arc welding) and FCAW (Flux cored arc welding).

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

### Review Scale Definitions:

**Effective:** Review component is a "best practice" and represents a model for replication.

**Ineffective:** Review component is weak and in need of significant improvement.

**N/A:** Not applicable

1. Course Outline	Effective	Ineffective	N/A
Course Outline – 3 Pages	X		
<i>Comments or recommendations:</i> Section IV Course Content, subcategory 1 Concepts – letter “e” is a duplication of the letter “a”. Need to move the Ohio TAACCCT Disclaimer to the end of the document. Recommendation to add U-LINC as a reference under Section VI.			
2. Syllabus Rev. 1	Effective	Ineffective	N/A
Syllabus Revision 1 – 3 Pages		X	
<i>Comments or recommendations:</i> Section IV Course Content, subcategory 1 Concepts- letter b, subcategory i should read “Inspection and Troubleshooting” instead of abbreviating “insp”. In the same section, letter “e” is a duplication of the letter “a”. In the same section, letter l, subcategory i should read “Calculate” instead of abbreviating “calc”. Letter p, subcategory i should read “Equipment” instead of abbreviating “equip”. In the same section, letter q, subcategory i, should read “PAW OFW cutting safety” instead of abbreviating “PAW OFW cutting saf”. Letter s has the word “for” misspelled. Need to move the Ohio TAACCCT Disclaimer to the end of the document. Recommendation: Format of the syllabus is not easy to follow and may cause confusion with the expectations you are holding the students to.			
2. Syllabus Rev. 3	Effective	Ineffective	N/A

Syllabus Revision 3 – 7Pages	X		
<p><i>Comments or recommendations:</i></p> <p>Section Course Outcomes &amp; Objectives, Subcategory Outcome A, line item 1, the word “perform” is misspelled. Need to add Ohio TAACCCT Disclosure to the end of the document.</p> <p>The Course Schedule is excellent with a great week by week breakdown to show the students exactly what is expected.</p> <p>Reference to ANSI-Z49.1 is an excellent idea for all courses. Additionally, plant tours go above and beyond to show the students practical application of the skills they are learning. This is a great idea and students will benefit tremendously.</p>			

**Reviewers Signature:** Frank M Dragolich, Jr. **Date:** 7/5/2018

*This work is adapted from the TREND Consortium Curriculum Review, Michigan Coalition for Advanced Manufacturing Subject Matter Expert Course Review, and the South West Arkansas Community College Consortium Syllabus Evaluation, all licensed under the Creative Commons Attribution 4.0 International License.*

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