SME Report

College: OWENS Community College

Specific Course Reviewed: WLD 192 SMAW (Flat and Horizontal): ASSESSMENT, ANSWER KEY, and RUBRIC

Prepared By: Frank M Dragolich, Jr., Consultant

Date Completed: July 6, 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. ASSESSMENT	**Effective**	**Ineffective**	**N/A**
Assessment – 30 Multiple Choice and T/F Questions	**X**		
Comments or recommendations: This 30 question Assessment is actually only a 29 question Assessment, because **question Number 2 is an exact duplicate of question Number 1.** This "word for word" duplication immediately takes away from the effectiveness of the Assessment as you immediately doubt the competency of the author. Other than that major error, the Assessment is spot on the topic and effectively tests the student. I like the way the topic of the questions bounces from topic to topic. The formatting and layout is also accurate. There also appears to be four lab exercises accidentally attached to this Assessment. They are all accurate, other than "V-groove 1G 7018". The weld symbol for this weld calls for a 45° included angle, but the joint drawing shows 45° or 75°. A 75° included angle is not allowed per the welding symbol instructions.			
2. ANSWER KEY	**Effective**	**Ineffective**	**N/A**
Answer Key – 30 Questions	**X**		
Comments or recommendations: No changes or recommendations, other than to eliminate the answer to question number 2. The answer is wrong anyways, as it is accurately answered as question number 1.			
3. RUBRIC	**Effective**	**Ineffective**	**N/A**

Rubric	**X**		
Comments or recommendations: A few technical corrections need made here. "ROOT" is accidentally misspelled as "ROUTE" in the second grading metric, along with "V-Groove" is misspelled as "VEE GROOVE". Also, 3/8" plate is also only referenced as 3/8 plate. The Rubric seems accurate other than these few errors.			

Reviewers Signature: ___Frank M Dragolich, Jr. _____**Date:** _____7/6/2018_____

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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