

SME Report

College: OWENS Community College

Specific Course Reviewed: WLD 190 Welding Blueprint Reading 2 CR HR Course

Prepared By: Frank M Dragolich, Jr., Consultant

Date Completed: June 21, 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: Syllabus	Pages	Effective	Ineffective	N/A
Syllabus	4	X		
Comments or recommendations: On the Assignment Calendar, the Chapters and Assignment do not align, needs reviewed and corrected. Chapter 11 assignment is completely missing from the course. The Ohio TAACCCT disclaimer needs added to the bottom of the syllabus.				
2. COURSE: PowerPoint Presentations	Pages	Effective	Ineffective	N/A
CORGAN_C1.ppt - Intro to Print Reading	30	X		
CORGAN_C2.ppt - Types of Lines	32	X		
CORGAN_C3.ppt – Basic Drawing Views	19	X		
CORGAN_C4.ppt – Dimensions	26	X		
CORGAN_C5.ppt – Notes and Specifications	26	X		
CORGAN_C6.ppt – Materials	72	X		
CORGAN_C7.ppt – Weld Joints	22	X		
CORGAN_C8.ppt – Weld Types	36	X		

CORGAN_C9.ppt – Intro to Welding Symbols	36	X		
CORGAN_C10.ppt – Advanced Welding Symbols	65	X		
CORGAN_C11.ppt – Additional Views	19	X		
CORGAN_C12.ppt – Drawing Standards	68	X		
CORGAN_C13.ppt – Additional Drawing Concepts	38	X		

Comments or recommendations:
PowerPoints are excellent and well assembled.

3. COURSE: Assignments	Effective	Ineffective	N/A
Assignment # 1 (5 questions)	X		
Assignment # 2 (1 question)	X		
Assignment # 3 (10 questions)	X		
Assignment # 4(15 questions)	X		
Assignment # 5 (1 question (6 parts))	X		
Assignment # 6 (1 question (12 parts))	X		
Assignment # 7 (10 questions)	X		
Assignment # 8 (1 question (14 parts))	X		
Assignment # 9 (9 questions)	X		
Assignment # 10 (18 questions)	X		
Assignment # 11 (MISSING ONLINE)			X
Assignment # 12 (1 question(14 parts))	X		
Assignment # 13 (1 question(18 parts))	X		
Assignment # 14 (1 question)	X		
Comments or recommendations: No access to answer key for assignments. Assignment 1 Question 1 and Question 4 have grammar issues. Assignment 7 Questions 2,3,4,5 all have punctuation errors. Assignment 7 Question 4 the graphic is too blurry and could cause confusion. Assignment 8 has grammar, spelling and punctuation errors. Assignment 9 graphic is too blurry to be effective. Assignment 12 question is difficult to read, even when zoomed in and the topic seems far-fetched.			
3. COURSE: Midterm	Effective	Ineffective	N/A
Midterm – 11 Questions	X		

Comments or recommendations:

Considering that the mid-term is 25% of the total grade, it would seem that it should be more than 11 questions. The final is also 25% of the grade but includes 44 questions.

4. COURSE: Final Exam

Effective

Ineffective

N/A

Final Exam – 44 Questions

X

Comments or recommendations:

I would recommend using different questions than the questions used on the weekly assignments, instead of using word for word questions, change the order or wording. Question 6 is the same as Assignment 12, difficult to read even when zoomed in and topic seems far-fetched.

Overall Summary - A well put together class, covering a substantial amount of material. I can see some students getting lost really early in the semester, but I am sure that is common with all classes. I found the topics engaging and interesting, even though I would recommend removing text around “rarely used” ISO symbols which could lead to confusion in the future.

Reviewers Signature: Frank M Dragolich, Jr. **Date:** 7/9/2018

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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