COURSE OUTCOME MATRIX COURSE SYLLABUS PART 2 of 3

Course Number and Title		WL 102 FUNDAMENTALS OF WELDING				
Credit Hours	4]				
Course Description	basic oxya		arc welding	processes and basic metallurgy	led metal arc welding, including weldin . The student will demonstrate safety μ	
Prerequisite(s and/or Corequisite(s)						
		nces/Course Materials:	-	T		
Modern Welding Lab Workbook		12th	Althouse, Andrew D.	Goodheart-Wilcox Co.	1635636876	

	General Education Outcomes
1	Utilize written and verbal language to discuss and comprehend information, incorporating a variety of technologies, such as text, data, and images (written language, verbal language, and information technology).
2	Identify and interpret relevant information in order to formulate an opinion or conclusion (critical thinking).
3	Demonstrate and communicate computational methods and mathematical reasoning in a variety of formats (using words, tables, graphs, mathematical equations, etc., as appropriate) (quantitative literacy and fluency).
4	Communicate in appropriate ways with those who are culturally diverse (intercultural competence).

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12th

Goodheart-Wilcox Co.

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	Program/Department Outcomes
1	Prepare students to become safe and competent welders
2	Provide opportunities to possess communication and critical thinking skills
3	Demonstrate responsible professional conduct and behavior
4	Effectively communicate
5	
6	
7	
8	
9	
10	

Modern Welding

	Course Outcomes (CO)	Bloom's Domain for CO (C, A, P), Category, and Level	Program/ Department Outcome(s)	Written Language	Verbal Language	Information Technology	Critical Thinking	Quantitative Literacy and Fluency	Intercultural Competence
1	Ensure that safety aspects of welding processes and practices are understood and followed	C- Understanding (2)	1,2,3,4	0	0	0	1	0	0
2	Demonstrate all methods of shielding	C- Understanding (2)	1,2,3,4	0	1	0	1	1	0
3	Understand and demonstrate SMAW practices and troubleshooting	P – Imitate (1)	1,2,3,4	0	1	0	1	1	0
4	Understand and demonstrate GMAW practices and troubleshooting	P – Imitate (1)	1,2,3,4	0	1	0	1	1	0
5	Understand and demonstrate FCAW practices and troubleshooting	P – Imitate (1)	1,2,3,4	0	1	0	1	1	0
6	Understand and demonstrate GTAW practices and troubleshooting	P – Imitate (1)	1,2,3,4	0	1	0	1	1	0
7									
8									
9									
10				0 151					

Bloom's Domain Legend C = Cognitive

A = Affective

P = Psychomotor

General Education Outcome Legend 2 = Included and Measurable

1 = Introduced and/or Minimally Addressed and Not Measurable

0 = Not included

Approved: May 2021

November 11, 2021 Reviewed: