Division of Industry and Technology / Division 2 Institutional (ILO), Program (PLO), and Course (SLO) Alignment

Program: Welding	Number of Courses:	Date Updated:	Submitted by:
	7	PLO - 11.04.2013	Renee Newell

ILO Rating Rubric

- 4 A major focus of the course. Direct instruction is provided. Students are evaluated multiple times (and possibly in various ways) throughout the course.
- **3** An important part of the course. Some direct instruction is provided and students are evaluated on the concepts once or twice within the course.
- **2-** Only a minor focus of the course. Some instruction is given in the area but students are not formally evaluated on the concepts.
- 1- May be tangentially part of the class, but is not directly taught or evaluated or is not part of the course at all.

Institutional Learning Outcomes (ILOs)	I. Content Knowledge	II. Critical, Creative, and Analytical Thinking	III. Communication and Comprehension	IV. Professional and Personal Growth	V. Community and Collaboration	VI. Information and Technology Literacy
Overall Rating	4	4	2	2	2	1

Program Level SLOs		ILOs to PLOs Alignment (Rate 1-4)						
	I	II	III	IV	٧	VI		
PLO #1 Success in the Welding Industry Upon completion of the Welding program, students will be able to demonstrate knowledge of the skills needed for success in the welding industry.	4	4	2	2	2	1		
PLO #2 Safety Knowledge and Skills Upon completion of the Welding program, whether in the certificate program or degree program, students will acquire and be able to use specific safety knowledge and skills relating to welding discipline and will be able to apply those skills to specific job requirements.		4	2	2	2	1		
PLO #3 Attaining Certificates, Degrees, Transferring and Attaining Jobs Upon completion of the Welding program, students will successfully earn a certificate/graduate/transfer to 4 year universities and will successfully compete for jobs in which they can apply their knowledge and communicative skills acquired in welding program.	4	4	2	2	2	1		

Course Level SLOs		Course to PLO Alignment			ILOs to Course Alignment (Rate each 1-4)						
	P1	P2	Р3	I	II	III	IV	V	VI		
WELD 5 Basic Welding Technology: SLO #1 Quality Welds	V			4	4	2	1	2	1		
Welding students will produce quality welds utilizing various welding techniques.	Х			4	4	2	2	2	1		
WELD 5 Basic Welding Technology: SLO #2											
WELD 5 Basic Welding Technology: SLO #3											
WELD 15 Basic Welding for Allied Fields: SLO #1 Welding Concepts	.,										
Students will be able to demonstrate basic knowledge of welding concepts.	X			4	4	2	2	2	1		
WELD 15 Basic Welding for Allied Fields: SLO #2											
WELD 15 Basic Welding for Allied Fields: SLO #3											
WELD 21 Basic Shielded Metal Arc Welding (SMAW): SLO #1 Safety											
Students will be able to demonstrate the safe set up and operation of welding equipment using all applicable	Х			4	4	2	2	2	1		
personal protective equipment.											
WELD 21 Basic Shielded Metal Arc Welding (SMAW): SLO #2											
WELD 21 Basic Shielded Metal Arc Welding (SMAW): SLO #3											
WELD 23 Advanced Arc Welding Specialty Lab: SLO #1 3G and 4G Positions	Х			4	4	2	2	2	1		
Welding students will produce quality weld in the 3G And 4G positions.	^			4	7						
WELD 23 Advanced Arc Welding Specialty Lab: SLO #2											
WELD 23 Advanced Arc Welding Specialty Lab: SLO #3											
WELD 28 American Welding Society (AWS) D.1.1 Certification Test Preparation: SLO #1 Preparing for Exams											
Students will be able to locate and use charts, index and table of contents to answer open book questions to prepare for the exam.	Х			4	4	2	2	2	1		
WELD 28 American Welding Society (AWS) D.1.1 Certification Test Preparation: SLO #2											
WELD 28 American Welding Society (AWS) D.1.1 Certification Test Preparation: SLO #3											

Course Level SLOs		Course to PLO Alignment				ILOs to Course Alignment (Rate each 1-4)						
	P1	P2	Р3	-1	Ш	III	IV	٧	VI			
WELD 40 Gas Tyngsten Arc Welding (GTAW), Gas Metal Arc Welding (GMAW): SLO #1 TIG Weld Concepts Students will be able to demonstrate basic knowledge of TIG welding concepts.	Х			4	4	2	2	2	1			
WELD 40 Gas Tyngsten Arc Welding (GTAW), Gas Metal Arc Welding (GMAW): SLO #2												
WELD 40 Gas Tyngsten Arc Welding (GTAW), Gas Metal Arc Welding (GMAW): SLO #3												
WELD 45 Structural Fabrication: SLO #1 Welding and Metal Fabrication Set Up and Operation Students will be able to demonstrate the safe set up and operation of welding and metal fabrication.				4	4	2	2	2	1			
WELD 45 Structural Fabrication: SLO #2												
WELD 45 Structural Fabrication: SLO #3												