Review of Performance: VWE 115 GENERAL WELDING, SPRING 2017, (5 students)
Submitted by: Bertoldo B. Esteban Jr.

Institutional Student Learning Outcomes (ISLO):
ISLO1: Effective oral communication.
ISLO2: Effective written communication.
ISLO3: Critical thinking.
ISLO4: Problem solving.
ISLO5: Intercultural knowledge and competence.
ISLO6: Information literacy.
ISLO7: Foundations and skills for life-long learning.
ISLO8: Quantitative Reasoning.

Program Learning Outcomes (PLO)
PLO1: Identify safety and occupational health requirements in the Refrigeration and Air Conditioning industry.
PLO2: Use specified hand and power tools for Refrigeration and Air Conditioning.
PLO3: Perform basic hand skills in maintaining Refrigeration and Air Conditioning system to a given specifications.
PLO4: Read and interpret basic electrical drawing and symbols related to Refrigeration and Air Conditioning.
PLO5: Perform basic troubleshooting and repair of domestic refrigeration and air conditioning units.
PLO6: Participate in the Refrigeration and Air Conditioning profession.

SLO#	Program SLO#	I, D, M	ISLO	Reflection/Comment
1. Define welding	Identify safety and occupational health requirements in the Refrigeration and Air Conditioning industry.	M,D	7	5 (0 female; 5 males) out of 5 students (100%) successfully completed this CSLO as measured by group and class discussions, quizzes and performances.
2. Display high safety standards when using welding equipment	Identify safety and occupational health requirements in the Refrigeration and Air Conditioning industry.	M, D	3, 4, & 7	5 (0 female; 5 males) out of 5 students (100%) successfully completed this CSLO as measured by group and class discussions, quizzes and performances.
3. Determine types of weld and joints	Read and interpret basic electrical drawing and symbols related to Refrigeration and Air Conditioning.	M,D	3, 4, & 7	5 (0 female; 5 males) out of 5 students (100%) successfully completed this CSLO as measured by group and class discussions, quizzes and performances.

4. Set-up and operate oxy-acetylene equipment	Read and interpret basic electrical drawing and symbols related to Refrigeration and Air Conditioning.	M,D	3, 4, & 7	5 (0 female; 5 males) out of 5 students (100%) successfully completed this CSLO as measured by group and class discussions, quizzes and performances.
5. Set up shielded metal arc welding equipment	Read and interpret basic electrical drawing and symbols related to Refrigeration and Air Conditioning.	M, D	3, 4, & 7	5 (0 female; 5 males) out of 5 students (100%) successfully completed this CSLO as measured by group and class discussions, quizzes and performances.
6. Perform oxy-acetylene welding methods	Use specified hand and power tools for Refrigeration and Air Conditioning.	M, D	3, 4, & 7	5 (0 female; 5 males) out of 5 students (100%) successfully completed this CSLO as measured by group and class discussions, quizzes and performances.

7. Perform electric arc welding	Use specified hand and power tools for Refrigeration and Air Conditioning.	M, D	3, 4, & 7	5 (0 female; 5 males) out of 5 students (100%) successfully completed this CSLO as measured by group and class discussions, quizzes and performances.
8. Identify the causes and remedies of a welding defects	Perform basic troubleshooting and repair of domestic refrigeration and air conditioning units.	M,D	3, 4, & 7	5 (0 female; 5 males) out of 5 students (100%) successfully completed this CSLO as measured by group and class discussions, quizzes and performances.

Additional observations: Students need more practical exposures to develop their self-confidence in performing assigned tasks. The workshop is too small for the size of the class particularly during practical exercises. Personal safety equipment's (PPE) are not enough.

Special comments:

Final Grade: The final grade is the average of mid-term grade and final-term grade.

Percentage rates:

90% - 100% A – Superior 80% - 89% B- Above average 70% - 79% C - Average
60% - 69% D - Below average 0 - 59% F - Failure

There were five (5) students got “C” or higher grade in this course.

Recommendations: Implement the BOR approved program curriculum. Need a bigger size of workshop and more personal safety equipment. RAC student toolkit must be issued during fall semester.

Signature: Bertoldo B. Esteban Jr. Date: May 5, 2017
RAC Professor