

Review of Performance: VEM 114 REFRIGERATION II, 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. Discuss fundamentals of air conditioning	Perform basic hand skills in maintaining Refrigeration and Air Conditioning system to a given specifications.	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.
2. Install split type air conditioning unit	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.
3. Service and maintain split type unit	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.

4. Recover and recycle refrigerant in a split type air conditioning unit	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.
5. Troubleshoot defects of split type air conditioning unit	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.
6. Repair mechanical and electrical defects of split type air conditioning unit	Participate in the Refrigeration and Air Conditioning profession.	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. Acquiring toolkit must be required to students.

Special comments:

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

Date: May 4, 2017