

Review of Performance: VEM 113 REFRIGERATION I
Submitted by: Bertoldo B. Esteban Jr.

Semester: Fall 2016

No. of students: 11

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 the fundamentals of refrigeration.	1	M,D	1, 7	7 (1 female; 6 males) out of 11 students (63%) successfully completed this CSLO as measured by group and class discussions, quizzes and performances.

2. Perform basic shop practices.	2	M, D	3, 7	7 (1 female; 6 males) out of 11 students (63%) successfully completed this CSLO as measured by group and class discussions, quizzes and performances.
3. Determine the different compression refrigeration systems.	3	M,D	3, 7	7 (1 female; 6 males) out of 11 students (63%) successfully completed this CSLO as measured by group and class discussions, quizzes and performances.
4. Recognize the common refrigerants.	1	M,D	7	10 (1 female; 9 males) out of 11 students (91%) successfully completed this CSLO as measured by group and class discussions, quizzes and performances.
5. Troubleshoot and repair mechanical defects of domestic refrigeration system.	5	M, D	1, 7	10 (1 female; 9 males) out of 11 students (91%) successfully completed this CSLO as measured by group and class discussions, quizzes and performances.

I- Introduced

D – Demonstrated

M – Mastery at a level appropriate for graduation

Final Grades:

There were ten (1 female; 9 males) out of eleven (11) students or (91%) got “C” or higher in this course.

Recommendations:

Need to implement the BOR approved curriculum. Need to build a bigger workshop. Need to acquire more personal protective equipment (PPE) to enhance safety practices. The course needs more hand tools and new instruments to cope up with the changes in the refrigeration industry as implemented by the United States, Environmental Protection Agency (EPA) and the United Nations Environment Protection (UNEP).

Signature: _____
RAC Professor

Date: December 12, 2016