Refrigeration and Air Condition (CA) 2013-2014

College of Micronesia - FSM

Course Student Learning Outcomes	Assessment Strategies & Target / Tasks	Results	Improvement & Follow-Up
A - instruction - General Education - MS 104 - Technical Math I - MS104_CSLO_1 - Score 80% (B grade) or better in the basic math post-test. (Created By A - instruction - General Education) **CSLO Assessment Cycle:** 2013 - 2014 (Fall 2013) 2013 - 2014 (Spring 2014) 2014 - 2015 (Fall 2014) **CSLO Status:** Active	**Assessment Strategy:** Competence will be demonstrated through pretest, assignments, quizzes, and tests. **Assessment Type:** Exam/Quiz - Pre-Post **Target:** At least 80% of the students must score 80% or more on the post-test.	05/12/2014 - This CSLO need to eliminated. **Target Met:** Yes **Reporting Period:** 2013 - 2014	
A - instruction - General Education - MS 104 - Technical Math I - MS104_CSLO_2 - Compare U.S. customary and metric standards of measurement and convert between the two. (Created By A - instruction - General Education) **CSLO Assessment Cycle:** 2013 - 2014 (Fall 2013) 2013 - 2014 (Spring 2014) 2014 - 2015 (Fall 2014) **CSLO Status:** Active	**Assessment Strategy:** Competence will be demonstrated through pretest, assignments, quizzes, and tests. **Assessment Type:** Exam/Quiz - In Course **Target:** At least 80% of the students must score 75% or more on the written test.	05/12/2014 - Spring-42.1% of student were able to compare U.S. customary and metric standards of measurement and convert between the two. **Target Met:** No **Reporting Period:** 2013 - 2014	
A - instruction - General Education - MS 104 - Technical Math I - MS104_CSLO_3 - Perform fundamental algebraic calculations and solve linear equations. (Created By A - instruction - General Education) **CSLO Assessment Cycle:** 2013 - 2014 (Fall 2013) 2013 - 2014 (Spring 2014) 2014 - 2015 (Fall 2014) **CSLO Status:** Active	**Assessment Strategy:** Competence will be demonstrated through pretest, assignments, quizzes, and tests. **Assessment Type:** Exam/Quiz - In Course **Target:** At least 80% of the students must score 75% or more on the written test.	05/12/2014 - Spring-48.3% of students were able to perform fundamental algebraic calculations and solve linear equations. **Target Met:** No **Reporting Period:** 2013 - 2014	
A - instruction - General Education - MS 104 - Technical Math I - MS104_CSLO_4 -	**Assessment Strategy:** Competence will be demonstrated through	05/12/2014 - Spring-53.3% of student were able to determine by measurement the area of rectangles,	

Course Student Learning Outcomes	Assessment Strategies & Target / Tasks	Results	Improvement & Follow-Up
Determine by measurement the area of rectangles, squares, parallelograms, rhombuses, triangles, trapezoids and circles. (Created By A - instruction - General Education) **CSLO Assessment Cycle:** 2013 - 2014 (Fall 2013) 2013 - 2014 (Spring 2014) 2014 - 2015 (Fall 2014) **CSLO Status:** Active	pretest, assignments, quizzes, and tests. **Assessment Type:** Exam/Quiz - In Course **Target:** At least 80% of the students must score 75% or more on the written test.	squares, parallelograms, rhombuses, triangles, trapezoids and circles. **Target Met:** No **Reporting Period:** 2013 - 2014	
A - instruction - General Education - MS 104 - Technical Math I - MS104_CSLO_5 - Determine the volume of rectangular solids, cubes, prisms, pyramids, cylinders, cones and spheres using the appropriate formula. (Created By A - instruction - General Education) **CSLO Assessment Cycle:** 2013 - 2014 (Fall 2013) 2013 - 2014 (Spring 2014) 2014 - 2015 (Fall 2014) **CSLO Status:** Active	**Assessment Strategy:** Competence will be demonstrated through pretest, assignments, quizzes, and tests. **Assessment Type:** Exam/Quiz - In Course **Target:** At least 80% of the students must score 75% or more on the written test.	05/12/2014 - Spring-53.3% of students were able to determine the volume of rectangular solids, cubes, prisms, pyramids, cylinders, cones and spheres using the appropriate formula. **Target Met:** No **Reporting Period:** 2013 - 2014	
A - instruction - General Education - MS 104 - Technical Math I - MS104_CSLO_6 - Perform basic trigonometric calculations. (Created By A - instruction - General Education) **CSLO Assessment Cycle:** 2013 - 2014 (Fall 2013) 2013 - 2014 (Spring 2014) 2014 - 2015 (Fall 2014) **CSLO Status:** Active	**Assessment Strategy:** Competence will be demonstrated through pretest, assignments, quizzes, and tests. **Assessment Type:** Exam/Quiz - In Course **Target:** At least 80% of the students must score 75% or more on the written test.	05/12/2014 - Spring-45.8% of student were able to perform basic trigonometric calculations. **Target Met:** No **Reporting Period:** 2013 - 2014	
A - instruction - General Education - MS 106 - Technical Math II - MS106_CSLO_1 - Analyze statistical data. (Created By A - instruction - General Education)	**Assessment Strategy:** Written tests and oral recitations Written quizzes and homework **Assessment Type:**	05/21/2014 - CSLO needs to be eliminated. **Target Met:** No	

Course Student Learning Outcomes	Assessment Strategies & Target / Tasks	Results	Improvement & Follow-Up
CSLO Assessment Cycle: 2013 - 2014 (Fall 2013) 2013 - 2014 (Spring 2014) 2014 - 2015 (Fall 2014) **CSLO Status:** Active	Exam/Quiz - In Course **Target:** At least 80% of the students must score 75% or more on the written test.	**Reporting Period:** 2013 - 2014	
A - instruction - General Education - MS 106 - Technical Math II - MS106_CSLO_2 - Graph linear equations, find the slope of a line, and find the equation of a line. (Created By A - instruction - General Education) **CSLO Assessment Cycle:** 2013 - 2014 (Fall 2013) 2013 - 2014 (Spring 2014) 2014 - 2015 (Fall 2014) **CSLO Status:** Active	**Assessment Strategy:** Written tests and oral recitations Written quizzes and homework **Assessment Type:** Exam/Quiz - In Course **Target:** At least 80% of the students must score 75% or more on the written test.	05/21/2014 - Spring-62.3% of student were able to graph linear equations, find the slope of a line, and find the equation of a line. **Target Met:** No **Reporting Period:** 2013 - 2014	
A - instruction - General Education - MS 106 - Technical Math II - MS106_CSLO_3 - Solve systems of equations by graphing, substitution method, and addition method. (Created By A - instruction - General Education) **CSLO Assessment Cycle:** 2013 - 2014 (Fall 2013) 2013 - 2014 (Spring 2014) 2014 - 2015 (Fall 2014) **CSLO Status:** Active	**Assessment Strategy:** Written tests and oral recitations Written quizzes and homework **Assessment Type:** Exam/Quiz - In Course **Target:** At least 80% of the students must score 75% or more on the written test.	05/21/2014 - Spring-62.3% of students were able to solve systems of equations by graphing, substitution method, and addition method. **Target Met:** No **Reporting Period:** 2013 - 2014	
A - instruction - General Education - MS 106 - Technical Math II - MS106_CSLO_4 - Define and describe the laws of exponents and perform basic operations with polynomials. (Created By A - instruction - General Education) **CSLO Assessment Cycle:** 2013 - 2014 (Fall 2013)	**Assessment Strategy:** Written tests and oral recitations Written quizzes and homework **Assessment Type:** Exam/Quiz - In Course **Target:** At least 80% of the students must score 75% or more on the written test.	05/21/2014 - Spring-69.6% of student were able to define and describe the laws of exponents and perform basic operations with polynomials. **Target Met:** No **Reporting Period:** 2013 - 2014	

Course Student Learning Outcomes	Assessment Strategies & Target / Tasks	Results	Improvement & Follow-Up
2013 - 2014 (Spring 2014) 2014 - 2015 (Fall 2014) **CSLO Status:** Active			
A - instruction - General Education - MS 106 - Technical Math II - MS106_CSLO_5 - Simplify radicals and solve equations using one and two radical expressions. (Created By A - instruction - General Education) **CSLO Assessment Cycle:** 2013 - 2014 (Fall 2013) 2013 - 2014 (Spring 2014) 2014 - 2015 (Fall 2014) **CSLO Status:** Active	**Assessment Strategy:** Written tests and oral recitations Written quizzes and homework **Assessment Type:** Exam/Quiz - In Course **Target:** At least 80% of the students must score 75% or more on the written test.	05/21/2014 - Spring-64.4% of student were able to simplify radicals and solve equations using one and two radical expressions. **Target Met:** No **Reporting Period:** 2013 - 2014	
A - instruction - General Education - MS 106 - Technical Math II - MS106_CSLO_6 - Factor polynomials. (Created By A - instruction - General Education) **CSLO Assessment Cycle:** 2013 - 2014 (Fall 2013) 2013 - 2014 (Spring 2014) 2014 - 2015 (Fall 2014) **CSLO Status:** Active	**Assessment Strategy:** Written tests and oral recitations Written quizzes and homework **Assessment Type:** Exam/Quiz - In Course **Target:** At least 80% of the students must score 75% or more on the written test.	05/21/2014 - Spring=64.4% of student were able to factor polynomials. **Target Met:** No **Reporting Period:** 2013 - 2014	
A - instruction - General Education - MS 106 - Technical Math II - MS106_CSLO_7 - Define exponential and logarithmic functions and describe their relationship. Apply the change of base formula. (Created By A - instruction - General Education) **CSLO Assessment Cycle:** 2013 - 2014 (Fall 2013) 2013 - 2014 (Spring 2014) 2014 - 2015 (Fall 2014) **CSLO Status:** Active	**Assessment Strategy:** Written tests and oral recitations Written quizzes and homework **Assessment Type:** Exam/Quiz - In Course **Target:** At least 80% of the students must score 75% or more on the written test.	05/21/2014 - Spring-58.5% of students were able to define exponential and logarithmic functions and describe their relationship. **Target Met:** No **Reporting Period:** 2013 - 2014	

Course Student Learning Outcomes	Assessment Strategies & Target / Tasks	Results	Improvement & Follow-Up
A - instruction - General Education - MS 106 - Technical Math II - MS106_CSLO_8 - Perform operations with vectors, graph polar equations, and perform rectangular to polar conversions and vice versa. (Created By A - instruction - General Education) **CSLO Assessment Cycle:** 2013 - 2014 (Fall 2013) 2013 - 2014 (Spring 2014) 2014 - 2015 (Fall 2014) **CSLO Status:** Active	**Assessment Strategy:** Written tests and oral recitations Written quizzes and homework **Assessment Type:** Exam/Quiz - In Course **Target:** At least 80% of the students must score 75% or more on the written test.	05/21/2014 - Spring-49.7% of students were able to perform operations with vectors, graph polar equations, and perform rectangular to polar conversions and vice versa. **Target Met:** No **Reporting Period:** 2013 - 2014	
A - instruction - General Education - MS 106 - Technical Math II - MS106_CSLO_9 - Graph trigonometric functions. (Created By A - instruction - General Education) **CSLO Assessment Cycle:** 2013 - 2014 (Fall 2013) 2013 - 2014 (Spring 2014) 2014 - 2015 (Fall 2014) **CSLO Status:** Active	**Assessment Strategy:** Written tests and oral recitations Written quizzes and homework **Assessment Type:** Exam/Quiz - In Course **Target:** At least 80% of the students must score 75% or more on the written test.	05/21/2014 - Spring-49.7% of student were able to graph trigonometric functions. **Target Met:** No **Reporting Period:** 2013 - 2014	
A - instruction - General Education - MS 106 - Technical Math II - MS106_CSLO_10 - Define the applications of trigonometry. (Created By A - instruction - General Education) **CSLO Assessment Cycle:** 2013 - 2014 (Fall 2013) 2013 - 2014 (Spring 2014) 2014 - 2015 (Fall 2014) **CSLO Status:** Active	**Assessment Strategy:** Written tests and oral recitations Written quizzes and homework **Assessment Type:** Exam/Quiz - In Course **Target:** At least 80% of the students must score 75% or more on the written test.	05/21/2014 - Spring-49.7% of students were able to define the applications of trigonometry. **Target Met:** No **Reporting Period:** 2013 - 2014	
B - instruction - Construction Electricity (CA) - VEM 110 - Workshop fabrication - VEM110_CSLO_1 - Identify and classify basic hand tools. (Created By B - instruction - Construction Electricity (CA))	**Assessment Strategy:** Students will be evaluated to identify common/basic tools found in the workshop or in their toolkit. **Assessment Type:** Presentation/Performance	12/13/2013 - 83% or 15 out of 18 students were able to identify common/basic tools found in the workshop. **Target Met:** Yes	

Course Student Learning Outcomes	Assessment Strategies & Target / Tasks	Results	Improvement & Follow-Up
CSLO Assessment Cycle: 2012 - 2013 (Fall 2012) 2012 - 2013 (Spring 2013) 2012 - 2013 (Summer 2013) 2013 - 2014 (Fall 2013) 2013 - 2014 (Spring 2014) 2013 - 2014 (Summer 2014) 2014 - 2015 (Fall 2014) 2014 - 2015 (Spring 2015) **Start Date:** 08/20/2012 **Inactive Date:** 05/08/2015 **CSLO Status:** Active	**Target:** Students must get 70% or a grade of "C" or better in this CSLO.	**Reporting Period:** 2013 - 2014	
B - instruction - Construction Electricity (CA) - VEM 110 - Workshop fabrication - VEM110_CSLO_2 - Select the right tool and its application correctly and safely (Created By B - instruction - Construction Electricity (CA)) **CSLO Assessment Cycle:** 2012 - 2013 (Fall 2012) 2012 - 2013 (Spring 2013) 2012 - 2013 (Summer 2013) 2013 - 2014 (Fall 2013) 2013 - 2014 (Spring 2014) 2013 - 2014 (Summer 2014) 2014 - 2015 (Fall 2014) 2014 - 2015 (Spring 2015) **Start Date:** 08/20/2012 **Inactive Date:** 05/08/2015 **CSLO Status:** Active	**Assessment Strategy:** Students will be observe base on how they use tools properly during their hands-on activity. **Assessment Type:** Presentation/Performance **Target:** Students must get 70% or a grade of "C" or better in this CSLO.	12/13/2013 - 94% or 17 out of 18 students were able to properly use tools during their hands-on activity. **Target Met:** Yes **Reporting Period:** 2013 - 2014	
B - instruction - Construction Electricity (CA) - VEM 110 - Workshop fabrication - VEM110_CSLO_3 - Identify basic portable power tool. (Created By B - instruction -	**Assessment Strategy:** Using portable tools in the workshop, students will identify these power tools and their use.	12/13/2013 - 100% or 18 out of 18 students were able to identify and use portable power tools. **Target Met:** Yes	

Course Student Learning Outcomes	Assessment Strategies & Target / Tasks	Results	Improvement & Follow-Up
Construction Electricity (CA)) **CSLO Assessment Cycle:** 2012 - 2013 (Fall 2012) 2012 - 2013 (Spring 2013) 2012 - 2013 (Summer 2013) 2013 - 2014 (Fall 2013) 2013 - 2014 (Spring 2014) 2013 - 2014 (Summer 2014) 2014 - 2015 (Fall 2014) 2014 - 2015 (Spring 2015) **Start Date:** 08/20/2012 **Inactive Date:** 05/08/2015 **CSLO Status:** Active	**Assessment Type:** Exam/Quiz - In Course **Target:** Students must get 70% or a grade of "C" or better in this CSLO.	**Reporting Period:** 2013 - 2014	
B - instruction - Construction Electricity (CA) - VEM 110 - Workshop fabrication - VEM110_CSLO_4 - Maintain hand tools and power tools. (Created By B - instruction - Construction Electricity (CA)) **CSLO Assessment Cycle:** 2012 - 2013 (Fall 2012) 2012 - 2013 (Spring 2013) 2012 - 2013 (Summer 2013) 2013 - 2014 (Fall 2013) 2013 - 2014 (Spring 2014) 2013 - 2014 (Summer 2014) 2014 - 2015 (Fall 2014) 2014 - 2015 (Spring 2015) **Start Date:** 08/20/2012 **Inactive Date:** 05/08/2015 **CSLO Status:** Active	**Assessment Strategy:** Students will make aware of the preventive maintenance of hand and power tools. **Assessment Type:** Presentation/Performance **Target:** Students must get 70% or a grade of "C" or better in this CSLO.	12/13/2013 - 100% or 18 out of 18 students were able to make aware of the preventive maintenance of hand and power tools. **Target Met:** Yes **Reporting Period:** 2013 - 2014	
B - instruction - Construction Electricity (CA) - VEM 111 - Electrical wiring I - VEM111_CSLO_1 - Understand the	**Assessment Strategy:** Describe the three electrical systems, voltage system use and convey wiring	05/13/2014 - Spring 2014 9/12 students passed **Target Met:** Yes	

Course Student Learning Outcomes	Assessment Strategies & Target / Tasks	Results	Improvement & Follow-Up
electrical system and demonstrate the various installation methods. (Created By B - instruction - Construction Electricity (CA)) **CSLO Assessment Cycle:** 2012 - 2013 (Fall 2012) 2012 - 2013 (Spring 2013) 2012 - 2013 (Summer 2013) 2013 - 2014 (Fall 2013) 2013 - 2014 (Spring 2014) 2013 - 2014 (Summer 2014) 2014 - 2015 (Fall 2014) 2014 - 2015 (Spring 2015) **Start Date:** 08/20/2012 **Inactive Date:** 05/08/2015 **CSLO Status:** Inactive	information using symbols. **Assessment Type:** Exam/Quiz - In Course **Target:** Students must get 70% or a grade of "C" or better in this CSLO.	**Reporting Period:** 2013 - 2014	
B - instruction - Construction Electricity (CA) - VEM 111 - Electrical wiring I - VEM111_CSLO_2 - Explain and identify electrical wiring schematic electrical symbols, conductors and conductor sizes. (Created By B - instruction - Construction Electricity (CA)) **CSLO Assessment Cycle:** 2012 - 2013 (Fall 2012) 2012 - 2013 (Spring 2013) 2012 - 2013 (Summer 2013) 2013 - 2014 (Fall 2013) 2013 - 2014 (Spring 2014) 2013 - 2014 (Summer 2014) 2014 - 2015 (Fall 2014) 2014 - 2015 (Spring 2015) **Start Date:** 08/20/2012 **Inactive Date:** 05/08/2015 **CSLO Status:** Inactive	**Assessment Strategy:** Describe different wiring fixtures use in electrical installation and amperage of conductors, de-rating factors and restrictions. **Assessment Type:** Exam/Quiz - In Course **Target:** Students must get 70% or a grade of "C" or better in this CSLO.	05/13/2014 - Spring 2014 10/12 students passed **Target Met:** Yes **Reporting Period:** 2013 - 2014	

Course Student Learning Outcomes	Assessment Strategies & Target / Tasks	Results	Improvement & Follow-Up
B - instruction - Construction Electricity (CA) - VEM 111 - Electrical wiring I - VEM111_CSLO_3 - Identify and install electrical boxes, switches, recessed lighting and ballast. (Created By B - instruction - Construction Electricity (CA)) **CSLO Assessment Cycle:** 2012 - 2013 (Fall 2012) 2012 - 2013 (Spring 2013) 2012 - 2013 (Summer 2013) 2013 - 2014 (Fall 2013) 2013 - 2014 (Spring 2014) 2013 - 2014 (Summer 2014) 2014 - 2015 (Fall 2014) 2014 - 2015 (Spring 2015) **Start Date:** 08/20/2012 **Inactive Date:** 05/08/2015 **CSLO Status:** Inactive	**Assessment Strategy:** Demonstrate precisely how electrical boxes, switches and lighting fixtures are installed. **Assessment Type:** Presentation/Performance **Target:** Students must get 70% or a grade of "C" or better in this CSLO.	05/13/2014 - Spring 2014 8/12 students passed **Target Met:** Yes **Reporting Period:** 2013 - 2014	
B - instruction - Construction Electricity (CA) - VEM 111 - Electrical wiring I - VEM111_CSLO_4 - Identify and demonstrate branch circuit, master bedroom, bedroom, and bathroom circuit. (Created By B - instruction - Construction Electricity (CA)) **CSLO Assessment Cycle:** 2012 - 2013 (Fall 2012) 2012 - 2013 (Spring 2013) 2012 - 2013 (Summer 2013) 2013 - 2014 (Fall 2013) 2013 - 2014 (Spring 2014) 2013 - 2014 (Summer 2014) 2014 - 2015 (Fall 2014) 2014 - 2015 (Spring 2015) **Start Date:** 08/20/2012 **Inactive Date:** 05/08/2015 **CSLO Status:**	**Assessment Strategy:** Demonstrate how branch circuit for residential wiring is determine for power outlets, heating and ventilating, lighting and general wiring using NEC regulations. **Assessment Type:** Presentation/Performance **Target:** Students must get 70% or a grade of "C" or better in this CSLO.	05/13/2014 - Spring 2014 12/12 students passed **Target Met:** Yes **Reporting Period:** 2013 - 2014	

Course Student Learning Outcomes	Assessment Strategies & Target / Tasks	Results	Improvement & Follow-Up
Inactive			
B - instruction - Construction Electricity (CA) - VEM 111 - Electrical wiring I - VEM111_CSLO_5 - Identify and demonstrate hallway, front porch, and entry circuit. (Created By B - instruction - Construction Electricity (CA)) **CSLO Assessment Cycle:** 2012 - 2013 (Fall 2012) 2012 - 2013 (Spring 2013) 2012 - 2013 (Summer 2013) 2013 - 2014 (Fall 2013) 2013 - 2014 (Spring 2014) 2013 - 2014 (Summer 2014) 2014 - 2015 (Fall 2014) 2014 - 2015 (Spring 2015) **Start Date:** 08/20/2012 **Inactive Date:** 05/08/2015 **CSLO Status:** Inactive	**Assessment Strategy:** Demonstrate wiring methods for hallway, porch and entry circuit using three-way switch. **Assessment Type:** Presentation/Performance **Target:** Students must get 70% or a grade of "C" or better in this CSLO.	05/13/2014 - Spring 2014 10/12 students passed **Target Met:** Yes **Reporting Period:** 2013 - 2014	
B - instruction - Construction Electricity (CA) - VEM 111 - Electrical wiring I - VEM111_CSLO_6 - Identify and demonstrate kitchen, dining room, living room, study, rear entry and family room circuits. (Created By B - instruction - Construction Electricity (CA)) **CSLO Assessment Cycle:** 2012 - 2013 (Fall 2012) 2012 - 2013 (Spring 2013) 2012 - 2013 (Summer 2013) 2013 - 2014 (Fall 2013) 2013 - 2014 (Spring 2014) 2013 - 2014 (Summer 2014) 2014 - 2015 (Fall 2014) 2014 - 2015 (Spring 2015) **Start Date:**	**Assessment Strategy:** Demonstrate different wiring methods use for various residential room application base on NEC standards. **Assessment Type:** Presentation/Performance **Target:** Students must get 70% or a grade of "C" or better in this CSLO.	05/13/2014 - Spring 2014 9/12 students passed **Target Met:** Yes **Reporting Period:** 2013 - 2014	

Course Student Learning Outcomes	Assessment Strategies & Target / Tasks	Results	Improvement & Follow-Up
08/20/2012 **Inactive Date:** 05/08/2015 **CSLO Status:** Inactive			
B - instruction - Construction Electricity (CA) - VEM 111 - Electrical wiring I - VEM111_CSLO_7 - Understand and demonstrate electrical interrupters, suppressors and laundry circuits. (Created By B - instruction - Construction Electricity (CA)) **CSLO Assessment Cycle:** 2012 - 2013 (Fall 2012) 2012 - 2013 (Spring 2013) 2012 - 2013 (Summer 2013) 2013 - 2014 (Fall 2013) 2013 - 2014 (Spring 2014) 2013 - 2014 (Summer 2014) 2014 - 2015 (Fall 2014) 2014 - 2015 (Spring 2015) **Start Date:** 08/20/2012 **Inactive Date:** 05/08/2015 **CSLO Status:** Inactive	**Assessment Strategy:** Demonstrate wiring of circuit interrupters, suppressors and grounding base on NEC standards. **Assessment Type:** Presentation/Performance **Target:** Students must get 70% or a grade of "C" or better in this CSLO.	05/13/2014 - Spring 2014 10/12 students passed **Target Met:** Yes **Reporting Period:** 2013 - 2014	
B - instruction - Construction Electricity (CA) - VEM 111 - Electrical wiring I - VEM111_CSLO_8 - Explain and design garage, basement circuits and workshop circuit. (Created By B - instruction - Construction Electricity (CA)) **CSLO Assessment Cycle:** 2012 - 2013 (Fall 2012) 2012 - 2013 (Spring 2013) 2012 - 2013 (Summer 2013) 2013 - 2014 (Fall 2013) 2013 - 2014 (Spring 2014)	**Assessment Strategy:** Demonstrate wiring for multiple outlet wiring use in garage, basement and workshops following NEC standards. **Assessment Type:** Exam/Quiz - In Course **Target:** Students must get 70% or a grade of "C" or better in this CSLO.	05/13/2014 - Spring 2014 12/12 students passed **Target Met:** Yes **Reporting Period:** 2013 - 2014	

Course Student Learning Outcomes	Assessment Strategies & Target / Tasks	Results	Improvement & Follow-Up
2013 - 2014 (Summer 2014) 2014 - 2015 (Fall 2014) 2014 - 2015 (Spring 2015) **Start Date:** 08/20/2012 **Inactive Date:** 05/08/2015 **CSLO Status:** Inactive			
B - instruction - Construction Electricity (CA) - VEM 111 - Electrical wiring I - VEM111_CSLO_9 - Demonstrate water pump and water heater circuit. (Created By B - instruction - Construction Electricity (CA)) **CSLO Assessment Cycle:** 2012 - 2013 (Fall 2012) 2012 - 2013 (Spring 2013) 2012 - 2013 (Summer 2013) 2013 - 2014 (Fall 2013) 2013 - 2014 (Spring 2014) 2013 - 2014 (Summer 2014) 2014 - 2015 (Fall 2014) 2014 - 2015 (Spring 2015) **Start Date:** 08/20/2012 **Inactive Date:** 05/08/2015 **CSLO Status:** Inactive	**Assessment Strategy:** Demonstrate wiring for pumps and heaters following the correct ampacity of conductors and circuit protection base on NEC standards. **Assessment Type:** Presentation/Performance **Target:** Students must get 70% or a grade of "C" or better in this CSLO.	05/13/2014 - Spring 2014 10/12 students passed **Target Met:** Yes **Reporting Period:** 2013 - 2014	
B - instruction - Construction Electricity (CA) - VEM 111 - Electrical wiring I - VEM111_CSLO_10 - Identify and explain stove, oven, food disposer and dishwasher circuit installation. (Created By B - instruction - Construction Electricity (CA)) **CSLO Assessment Cycle:** 2012 - 2013 (Fall 2012) 2012 - 2013 (Spring 2013) 2012 - 2013 (Summer 2013)	**Assessment Strategy:** Identify circuit requirements for wires and protection devices use in major kitchen appliances. **Assessment Type:** Exam/Quiz - In Course **Target:** Students must get 70% or a grade of "C" or better in this CSLO.	05/13/2014 - Spring 2014 12/12 students passed **Target Met:** Yes **Reporting Period:** 2013 - 2014	

Course Student Learning Outcomes	Assessment Strategies & Target / Tasks	Results	Improvement & Follow-Up
2013 - 2014 (Fall 2013) 2013 - 2014 (Spring 2014) 2013 - 2014 (Summer 2014) 2014 - 2015 (Fall 2014) 2014 - 2015 (Spring 2015) **Start Date:** 08/20/2012 **Inactive Date:** 05/08/2015 **CSLO Status:** Inactive			
B - instruction - Construction Electricity (CA) - VEM 111 - Electrical wiring I - VEM111_CSLO_11 - Understand and demonstrate vent fan, electric heating and air conditioning circuits. (Created By B - instruction - Construction Electricity (CA)) **CSLO Assessment Cycle:** 2012 - 2013 (Fall 2012) 2012 - 2013 (Spring 2013) 2012 - 2013 (Summer 2013) 2013 - 2014 (Fall 2013) 2013 - 2014 (Spring 2014) 2013 - 2014 (Summer 2014) 2014 - 2015 (Fall 2014) 2014 - 2015 (Spring 2015) **Start Date:** 08/20/2012 **Inactive Date:** 05/08/2015 **CSLO Status:** Inactive	**Assessment Strategy:** Demonstrate wiring of heating and cooling circuits base on NEC standards. **Assessment Type:** Presentation/Performance **Target:** Students must get 70% or a grade of "C" or better in this CSLO.	05/13/2014 - Spring 2014 12/12 students passed **Target Met:** Yes **Reporting Period:** 2013 - 2014	
B - instruction - Construction Electricity (CA) - VEM 111 - Electrical wiring I - VEM111_CSLO_12 - Recognize and demonstrate heat and smoke detector circuit (Created By B - instruction - Construction Electricity (CA)) **CSLO Assessment Cycle:** 2012 - 2013 (Fall 2012)	**Assessment Strategy:** Demonstrate wiring for heat and smoke detector circuit. **Assessment Type:** Presentation/Performance **Target:** Students must get 70% or a grade of "C" or better in this CSLO.	05/13/2014 - Spring 2014 12/12 students passed **Target Met:** Yes **Reporting Period:** 2013 - 2014	

Course Student Learning Outcomes	Assessment Strategies & Target / Tasks	Results	Improvement & Follow-Up
2012 - 2013 (Spring 2013) 2012 - 2013 (Summer 2013) 2013 - 2014 (Fall 2013) 2013 - 2014 (Spring 2014) 2013 - 2014 (Summer 2014) 2014 - 2015 (Fall 2014) 2014 - 2015 (Spring 2015) **Start Date:** 08/20/2012 **Inactive Date:** 05/08/2015 **CSLO Status:** Inactive			
B - instruction - Pre-requisite courses - CA 095 - Basic Computer Applications - CA095_CSLO_1 - Explain basic functions and operations of the computer. (Created By B - instruction - Pre-requisite courses) **Start Date:** 08/05/2013 **CSLO Status:** Active	**Assessment Strategy:** Exams/Quizzes include True/False, Multiple Choice, Fill in the Blank, Questions, and Individual Projects designed for students to be able to explain basic functions and operations of the computer like Computer Ergonomics, hardware/software, Windows, Internet and Email. **Target:** 70%	07/17/2014 - SM14 22/25 or 88% passed. **Target Met:** Yes **Reporting Period:** 2013 - 2014 **Related Documents:** CA 095-P1 SM2014 CLA Silbanuz.doc 05/14/2014 - S2014 51/63 or 81% passed. **Target Met:** Yes **Reporting Period:** 2013 - 2014 **Related Documents:** CA 095-P123 S2014 CLA Silbanuz.doc 12/19/2013 - F2013 100/124 or 81% passed **Target Met:** Yes **Reporting Period:** 2013 - 2014 **Related Documents:** CA 095-P1235 Fall 2013 CLA Silbanuz.doc CA095 F13 CLA Mary Nolan.doc	

Course Student Learning Outcomes	Assessment Strategies & Target / Tasks	Results	Improvement & Follow-Up
B - instruction - Pre-requisite courses - CA 095 - Basic Computer Applications - CA095_CSLO_2 - Demonstrate fundamental skills in Word Processing. (Created By B - instruction - Pre-requisite courses) **Start Date:** 08/05/2013	**Assessment Strategy:** Construct professional looking documents by using basic features in MS Word **Target:** 70%	07/17/2014 - SM14 23/25 or 92% passed. **Target Met:** Yes **Reporting Period:** 2013 - 2014 **Related Documents:** CA 095-P1 SM2014 CLA Silbanuz.doc 05/14/2014 - S2014 53/63 or 84% passed. **Target Met:** Yes **Reporting Period:** 2013 - 2014 **Related Documents:** CA 095-P123 S2014 CLA Silbanuz.doc 12/19/2013 - F2013 89/124 or 72% passed. **Target Met:** Yes **Reporting Period:** 2013 - 2014 **Related Documents:** CA 095-P1235 Fall 2013 CLA Silbanuz.doc CA095 F13 CLA Mary Nolan.doc	
B - instruction - Pre-requisite courses - CA 095 - Basic Computer Applications - CA095_CSLO_3 - Demonstrate fundamental skills in Spreadsheet. (Created By B - instruction - Pre-requisite courses) **Start Date:** 08/05/2013	**Assessment Strategy:** Construct professional looking spreadsheet by using basic features in MS Excel **Target:** 70%	07/17/2014 - SM14 18/25 or 72% passed. **Target Met:** Yes **Reporting Period:** 2013 - 2014 **Related Documents:** CA 095-P1 SM2014 CLA Silbanuz.doc 05/14/2014 - S2014 36/63 or 57% passed. **Target Met:** Yes **Reporting Period:**	

Course Student Learning Outcomes	Assessment Strategies & Target / Tasks	Results	Improvement & Follow-Up
		2013 - 2014 **Related Documents:** CA 095-P123 S2014 CLA Silbanuz.doc	
		12/19/2013 - F2013 79/124 or 64% passed **Target Met:** No **Reporting Period:** 2013 - 2014 **Related Documents:** CA 095-P1235 Fall 2013 CLA Silbanuz.doc CA095 F13 CLA Mary Nolan.doc	
B - instruction - Pre-requisite courses - CA 095 - Basic Computer Applications - CA095_CSLO_4 - Demonstrate fundamental skills in Presentation and Multimedia. (Created By B - instruction - Pre-requisite courses) **Start Date:** 08/05/2013	**Assessment Strategy:** Create and deliver professional looking slide shows by using basic features in MS PowerPoint **Target:** 70%	07/17/2014 - SM14 88% or 22 passed. **Target Met:** Yes **Reporting Period:** 2013 - 2014 **Related Documents:** CA 095-P1 SM2014 CLA Silbanuz.doc	
		06/04/2014 - S2014 44/63 or 70% passed. **Target Met:** Yes **Reporting Period:** 2013 - 2014 **Related Documents:** CA 095-P123 S2014 CLA Silbanuz.doc	
		12/19/2013 - F2013 91/124 or 73% passed. **Target Met:** Yes **Reporting Period:** 2013 - 2014 **Related Documents:** CA 095-P1235 Fall 2013 CLA Silbanuz.doc	

Course Student Learning Outcomes	Assessment Strategies & Target / Tasks	Results	Improvement & Follow-Up
		CA095 F13 CLA Mary Nolan.doc	
B - instruction - Refrigeration and Air Condition (CA) - VEM 105 - Basic Electricity for AC - VEM105_CSLO_1 - Discuss fundamentals of electricity. (Created By B - instruction - Refrigeration and Air Condition (CA)) **CSLO Assessment Cycle:** 2014 - 2015 (Fall 2014) **Start Date:** 08/19/2014 **Inactive Date:** 05/20/2015 **CSLO Status:** Active	**Assessment Strategy:** Given the schematic diagram, light bulbs, switches and wires the student will connect the series, parallel and series-parallel circuit. **Assessment Type:** Presentation/Performance **Target:** 70% of all the students registered in this course must get a grade of "C" or better	05/15/2014 - 3 out 9 students or 33% got a grade of "C" or better in this CSLO **Target Met:** No **Reporting Period:** 2013 - 2014 03/17/2014 - 10 out of 13 or 77% of students got "C" or higher in this CSLO **Target Met:** Yes **Reporting Period:** 2013 - 2014	05/15/2014 - Need longer hands-on exposure, tools and instrument to teach this CSLO1.
B - instruction - Refrigeration and Air Condition (CA) - VEM 105 - Basic Electricity for AC - VEM105_CSLO_2 - Manipulate electrical measuring instruments. (Created By B - instruction - Refrigeration and Air Condition (CA)) **CSLO Assessment Cycle:** 2014 - 2015 (Fall 2014) **Start Date:** 08/19/2014 **Inactive Date:** 05/20/2015 **CSLO Status:** Active	**Assessment Strategy:** Given a multi-meter, clamp-on meter, tools and supplies, the students will measure the different magnitudes of electricity such as voltage, resistance and current. **Assessment Type:** Presentation/Performance **Target:** 70% of all the students registered in this course must get a grade of "C" or better	05/15/2014 - 7 out of 9 students or 78% got a grade of "C" or better in this CSLO2 **Target Met:** Yes **Reporting Period:** 2013 - 2014 03/17/2014 - 10 out of 13 or 77% of students got "C" or higher in this CSLO **Target Met:** Yes **Reporting Period:** 2013 - 2014	05/15/2014 - Need more tools and instruments to improve the skills of the students in this CSLO2
B - instruction - Refrigeration and Air Condition (CA) - VEM 105 - Basic Electricity for AC - VEM105_CSLO_3 - Determine the electrical components of domestic refrigeration system. (Created By B - instruction - Refrigeration and Air Condition (CA)) **CSLO Assessment Cycle:** 2014 - 2015 (Fall 2014) **Start Date:**	**Assessment Strategy:** Given a different types of compressor and fan motors, the student will give the names of each motors. **Assessment Type:** Exam/Quiz - In Course **Target:** 70% of all the students registered in this course must get a grade of "C" or better	05/15/2014 - 6 out 9 students or 67% got a grade of "C" or better in this CSLO3 **Target Met:** No **Reporting Period:** 2013 - 2014	05/15/2014 - Requires longer period of studying to improve the knowledge acquired by the students.

Course Student Learning Outcomes	Assessment Strategies & Target / Tasks	Results	Improvement & Follow-Up
08/19/2014 **Inactive Date:** 05/20/2015 **CSLO Status:** Active	**Assessment Strategy:** Given a thermostat, defrost heater, timer, motor , capacitor and ammeter, the student will perform the steps in testing electrical parts. **Assessment Type:** Presentation/Performance **Target:** 70% of all the students registered in this course must get a grade of "C" or better	03/19/2014 - 10 out of 13 or 77% of students got "C" or higher in this CSLO **Target Met:** Yes **Reporting Period:** 2013 - 2014	
B - instruction - Refrigeration and Air Condition (CA) - VEM 105 - Basic Electricity for AC - VEM105_CSLO_4 - Analyze electrical diagram of domestic refrigeration and air conditioning unit. (Created By B - instruction - Refrigeration and Air Condition (CA)) **CSLO Assessment Cycle:** 2014 - 2015 (Fall 2014) **Start Date:** 08/19/2014 **Inactive Date:** 05/20/2015 **CSLO Status:** Active	**Assessment Strategy:** The student will draw the wiring diagrams of refrigeration and air conditioning units and interpret them in the form of a descriptive statement. **Assessment Type:** Written Assignment **Target:** 70% of all the students registered in this course must get a grade of "C" or better	03/19/2014 - 9 out of 13 or 69% of students got a grade of "C" or higher in this CSLO **Target Met:** No **Reporting Period:** 2013 - 2014	
	Assessment Strategy: Given a refrigerator, window type room air conditioner, wiring diagrams, hand tools and ammeter, the student will reconnect the wiring as specified in the diagrams. **Assessment Type:** Presentation/Performance **Target:** 70% of all the students registered in this course must get a grade of "C" or better	05/15/2014 - 7 out of 9 students or 78% got a grade of "C" or better in this CSLO4 **Target Met:** Yes **Reporting Period:** 2013 - 2014	05/15/2014 - Need more tools and instrument to improve the skills of the students in this CSLO4.
B - instruction - Refrigeration and Air Condition (CA) - VEM 105 - Basic Electricity for AC - VEM105_CSLO_5 - Troubleshoot electrical defects of domestic refrigeration and air conditioning system. (Created By B - instruction - Refrigeration and Air Condition (CA))	**Assessment Strategy:** Given a defective refrigerator, room air conditioner and ammeter, the students will determine the troubles and counter measures using the trouble shooting guide. **Assessment Type:** Presentation/Performance **Target:** 70% of all the students registered in this	05/15/2014 - 7 out of 9 students or 78% got a grade of "C" or better in this CSLO5 **Target Met:** Yes **Reporting Period:** 2013 - 2014	
		03/19/2014 - 9 out of 13 or 69% of students got a grade of "C" or higher in this CSLO	

Course Student Learning Outcomes	Assessment Strategies & Target / Tasks	Results	Improvement & Follow-Up
CSLO Assessment Cycle: 2014 - 2015 (Fall 2014) **Start Date:** 08/19/2014 **Inactive Date:** 05/20/2015 **CSLO Status:** Active	course must get a grade of "C" or better	**Target Met:** No **Reporting Period:** 2013 - 2014	
B - instruction - Refrigeration and Air Condition (CA) - VEM 105 - Basic Electricity for AC - VEM105_CSLO_6 - Repair electrical defects of a domestic refrigeration and air conditioning system. (Created By B - instruction - Refrigeration and Air Condition (CA)) **CSLO Assessment Cycle:** 2014 - 2015 (Fall 2014) **Start Date:** 08/19/2014 **Inactive Date:** 05/20/2015 **CSLO Status:** Active	**Assessment Strategy:** Given a defective domestic refrigeration system, tools and ammeter, the student will test and replace defective electrical components. **Assessment Type:** Presentation/Performance **Target:** 70% of all the students registered in this course must get a grade of "C" or better	05/15/2014 - 7 out of 9 students or 78% got a grade of "C" or better in this CSLO6 **Target Met:** Yes **Reporting Period:** 2013 - 2014	05/15/2014 - Need a longer time of laboratory experienced to improve the skills of the students.
		03/19/2014 - 9 out of 13 or 69% of students got a grade of "C" or higher in this CSLO **Target Met:** No **Reporting Period:** 2013 - 2014	
B - instruction - Refrigeration and Air Condition (CA) - VEM 113 - Refrigeration I - VEM113_CSLO_1 - Discuss the fundamentals of refrigeration. (Created By B - instruction - Refrigeration and Air Condition (CA)) **CSLO Assessment Cycle:** 2014 - 2015 (Fall 2014) **Start Date:** 08/19/2014 **Inactive Date:** 05/20/2015 **CSLO Status:** Active	**Assessment Strategy:** The students will define refrigeration, air conditioning and pressure. They will also differentiate sensible and latent heat. Explain precisely the refrigeration cycle. **Assessment Type:** Written Assignment **Target:** 70% of all the students registered in this course must get a grade of "C" or better	03/19/2014 - 13 out of 15 or 87% of students got a grade of "C" in this CSLO **Target Met:** Yes **Reporting Period:** 2013 - 2014	
B - instruction - Refrigeration and Air Condition (CA) - VEM 113 - Refrigeration I - VEM113_CSLO_2 - Perform basic shop practices. (Created By B - instruction -	**Assessment Strategy:** Given a refrigeration hand tools and supplies, the student will perform the steps in ACR tube cutting, reaming, flaring,	03/19/2014 - 13 out of 15 or 87% of students got a grade of "C" in this CSLO **Target Met:**	

Course Student Learning Outcomes	Assessment Strategies & Target / Tasks	Results	Improvement & Follow-Up
Refrigeration and Air Condition (CA)) **CSLO Assessment Cycle:** 2014 - 2015 (Fall 2014) **Start Date:** 08/19/2014 **Inactive Date:** 05/20/2015 **CSLO Status:** Active	swaging, bending, soldering and brazing. **Assessment Type:** Project-Individual **Target:** 70% of all the students registered in this course must get a grade of "C" or better	Yes **Reporting Period:** 2013 - 2014	
B - instruction - Refrigeration and Air Condition (CA) - VEM 113 - Refrigeration I - VEM113_CSLO_3 - Determine the different compression refrigeration systems. (Created By B - instruction - Refrigeration and Air Condition (CA)) **CSLO Assessment Cycle:** 2014 - 2015 (Fall 2014) **Start Date:** 08/20/2014 **Inactive Date:** 05/20/2015 **CSLO Status:** Active	**Assessment Strategy:** Given a refrigeration cycle mock-up, the student will explain the operation of a compression system. **Assessment Type:** Presentation/Performance **Target:** 70% of all the students registered in this course must get a grade of "C" or better	03/19/2014 - 13 out of 15 or 87% of students got a grade of "C" in this CSLO **Target Met:** Yes **Reporting Period:** 2013 - 2014	
B - instruction - Refrigeration and Air Condition (CA) - VEM 113 - Refrigeration I - VEM113_CSLO_4 - Recognize the common refrigerants. (Created By B - instruction - Refrigeration and Air Condition (CA)) **CSLO Assessment Cycle:** 2014 - 2015 (Fall 2014) **Start Date:** 08/19/2014 **Inactive Date:** 05/20/2015 **CSLO Status:** Active	**Assessment Strategy:** Given different kinds of refrigerant, the student will identify the types by using cylinder color code and refrigerant identifier methods. **Assessment Type:** Presentation/Performance **Target:** 70% of all the students registered in this course must get a grade of "C" or better	03/19/2014 - 15 out of 15 or 100% of the students got a grade of "C" or higher in this CSLO **Target Met:** Yes **Reporting Period:** 2013 - 2014	
B - instruction - Refrigeration and Air Condition (CA) - VEM 113 - Refrigeration I - VEM113_CSLO_5 - Troubleshoot and repair mechanical defects of domestic refrigeration system. (Created By B - instruction -	**Assessment Strategy:** Given a defective refrigerator, room air conditioner, recovery machine, vacuum pump, system analyzer, tools and supplies, the students will trouble shoot and repair the	03/19/2014 - 15 out of 15 or 100% of the students got a grade of "C" or higher in this CSLO **Target Met:** Yes **Reporting Period:**	

Course Student Learning Outcomes	Assessment Strategies & Target / Tasks	Results	Improvement & Follow-Up
Refrigeration and Air Condition (CA)) **CSLO Assessment Cycle:** 2014 - 2015 (Fall 2014) **Start Date:** 08/19/2014 **Inactive Date:** 05/20/2015 **CSLO Status:** Active	system. **Assessment Type:** Project-Group **Target:** 70% of all the students registered in this course must get a grade of "C" or better	2013 - 2014	
B - instruction - Refrigeration and Air Condition (CA) - VEM 114 - Refrigeration II - VEM114_CSLO_1 - Discuss fundamentals of air conditioning. (Created By B - instruction - Refrigeration and Air Condition (CA)) **CSLO Assessment Cycle:** 2012 - 2013 (Spring 2013) **Start Date:** 08/20/2012 **Inactive Date:** 05/20/2013 **CSLO Status:** Active	**Assessment Strategy:** The students will discuss the principles of air conditioning, list down the classifications and explain the operation of the system. **Assessment Type:** Exam/Quiz - In Course **Target:** 70% of all the students registered in this course must get a grade of "C" or better	05/20/2014 - 3 out of 4 students or 75% got a grade of "C" or better in this CSLO. **Target Met:** Yes **Reporting Period:** 2013 - 2014	
B - instruction - Refrigeration and Air Condition (CA) - VEM 114 - Refrigeration II - VEM114_CSLO_2 - Install split type air conditioning system. (Created By B - instruction - Refrigeration and Air Condition (CA)) **CSLO Assessment Cycle:** 2012 - 2013 (Spring 2013) **Start Date:** 08/20/2012 **Inactive Date:** 05/20/2013 **CSLO Status:** Active	**Assessment Strategy:** Given a split type air conditioning unit, vacuum pump, manifold gauge, tools and supplies, the students will install the unit following the manufacturers installation manual. **Assessment Type:** Project-Group **Target:** 70% of all the students registered in this course must get a grade of "C" or better	05/20/2014 - 4 out of 4 students or 100% got a grade of "C" or better in this CSLO. **Target Met:** Yes **Reporting Period:** 2013 - 2014	
B - instruction - Refrigeration and Air Condition (CA) - VEM 114 - Refrigeration II - VEM114_CSLO_3 - Perform servicing and maintenance of split type air conditioning	**Assessment Strategy:** Given a split type air conditioning unit, tools and supplies, the students will perform the procedures in preventive maintenance of a	05/20/2014 - 4 out of 4 students or 100% got a grade of "C" or better in this CSLO. **Target Met:** Yes	

Course Student Learning Outcomes	Assessment Strategies & Target / Tasks	Results	Improvement & Follow-Up
system. (Created By B - instruction - Refrigeration and Air Condition (CA)) **CSLO Assessment Cycle:** 2012 - 2013 (Spring 2013) **Start Date:** 08/20/2012 **Inactive Date:** 05/20/2013 **CSLO Status:** Active	system. **Assessment Type:** Project-Group **Target:** 70% of all the students registered in this course must get a grade of "C" or better	**Reporting Period:** 2013 - 2014	
B - instruction - Refrigeration and Air Condition (CA) - VEM 114 - Refrigeration II - VEM114_CSLO_4 - Recover and recycle refrigerant in the system. (Created By B - instruction - Refrigeration and Air Condition (CA)) **CSLO Assessment Cycle:** 2012 - 2013 (Spring 2013) **Start Date:** 08/20/2012 **Inactive Date:** 05/20/2013 **CSLO Status:** Active	**Assessment Strategy:** Given a split type air conditioning unit, recovery and recycling machine, the students will demonstrate the procedures in refrigerant recovery and recycling from an old unit. **Assessment Type:** Project-Group **Target:** 70% of all the students registered in this course must get a grade of "C" or better	05/20/2014 - 2 out of 4 students or 50% got a grade of "C" or better in this CSLO. **Target Met:** No **Reporting Period:** 2013 - 2014	
B - instruction - Refrigeration and Air Condition (CA) - VEM 114 - Refrigeration II - VEM114_CSLO_5 - Troubleshoot defects of split type air conditioning system. (Created By B - instruction - Refrigeration and Air Condition (CA)) **CSLO Assessment Cycle:** 2012 - 2013 (Spring 2013) **Start Date:** 08/20/2012 **Inactive Date:** 05/20/2013 **CSLO Status:** Active	**Assessment Strategy:** Given a split type unit, manifold gauge, ammeter and tools, the student will diagnose the system defect and determine the countermeasures. **Assessment Type:** Presentation/Performance **Target:** 70% of all the students registered in this course must get a grade of "C" or better	05/20/2014 - 2 out of 4 students or 50% got a grade of "C" or better in this CSLO. **Target Met:** No **Reporting Period:** 2013 - 2014	
B - instruction - Refrigeration and Air Condition (CA) - VEM 114 - Refrigeration II - VEM114_CSLO_6 - Repair mechanical and	**Assessment Strategy:** Given a defective split type air conditioning unit, manifold gauge, ammeter and tools, the	05/20/2014 - 2 out of 4 or 50% got a grade of "C" or better in this CSLO. **Target Met:**	

Course Student Learning Outcomes	Assessment Strategies & Target / Tasks	Results	Improvement & Follow-Up
electrical defects of split type air conditioning system. (Created By B - instruction - Refrigeration and Air Condition (CA)) **CSLO Assessment Cycle:** 2012 - 2013 (Spring 2013) **Start Date:** 08/20/2012 **Inactive Date:** 05/20/2013 **CSLO Status:** Active	students will replace defective mechanical and electrical parts of the system. **Assessment Type:** Project-Group **Target:** 70% of all the students registered in this course must get a grade of "C" or better	No **Reporting Period:** 2013 - 2014	