Electronics Technology (AAS) 2013-2014

College of Micronesia - FSM

Course Student Learning Outcomes	Assessment Strategies & Target / Tasks	Results	Improvement & Follow-Up
A - instruction - Building Technology (AAS) - VEE 266 - Rotating machinery - VEE266_CSLO_1 - Describe the various devices that are called rotating machinery. (Created By A - instruction - Building Technology (AAS))	**Assessment Strategy:** Using NIDA CAI theory lesson on various rotating machinery and passing the final quiz.	12/09/2013 - 12 out of 15 or 80% of the students got a grade of "C" or better in this SLO during Fall 2013 semester. **Target Met:** Yes **Reporting Period:** 2013 - 2014	
CSLO Assessment Cycle:	**Assessment Type:** Exam/Quiz - In Course		
2012 - 2013 (Fall 2012)	**Target:**		
2012 - 2013 (Spring 2013)	70% or grade of "C" or better of student register on this course.		
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			
A - instruction - Building Technology (AAS) - VEE 266 - Rotating machinery - VEE266_CSLO_2 - Describe the operating characteristics of DC & AC Motors and Generators. (Created By A - instruction - Building Technology (AAS))	**Assessment Strategy:** One on one CAI using NIDA theory lesson on DC & AC motor/generator operating characteristics and passing the final quiz at the end of the lesson.	12/09/2013 - 14 out of 15 or 93% of the students got a grade of "C" or better in this SLO during Fall 2013 semester. **Target Met:** Yes **Reporting Period:** 2013 - 2014	
	Assessment Type: Exam/Quiz - In Course		
CSLO Assessment Cycle:	**Target:**		
2012 - 2013 (Fall 2012)	70% or grade of "C" or better of student register on this course.		
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:			

Course Student Learning Outcomes	Assessment Strategies & Target / Tasks	Results	Improvement & Follow-Up
08/20/2012 **Inactive Date:** 05/08/2015 **CSLO Status:** Active			
A - instruction - Building Technology (AAS) - VEE 266 - Rotating machinery - VEE266_CSLO_3 - Describe Stepper Motor and its operating characteristics. (Created By A - instruction - Building Technology (AAS)) **CSLO Assessment Cycle:** 2012 - 2013 (Fall 2012)	**Assessment Strategy:** Using NIDA CAI theory lesson on stepper motors operating characteristics and passing the final quiz. **Assessment Type:** Exam/Quiz - In Course **Target:** 70% or grade of "C" or better of student register on this course.	12/09/2013 - 13 out of 15 or 87% of the students got a grade of "C" or better in this SLO during Fall 2013 semester. **Target Met:** Yes **Reporting Period:** 2013 - 2014	
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			
A - instruction - Building Technology (AAS) - VEE 266 - Rotating machinery - VEE266_CSLO_4 - Observe and troubleshoot DC & AC motors. (Created By A - instruction - Building Technology (AAS)) **CSLO Assessment Cycle:** 2012 - 2013 (Fall 2012) 2012 - 2013 (Spring 2013) 2012 - 2013 (Summer 2013) 2013 - 2014 (Fall 2013)	**Assessment Strategy:** Using NIDA CAI theory lesson on troubleshooting AC & DC motor and demonstrate properly steps in troubleshooting motor faults. **Assessment Type:** Presentation/Performance **Target:** 70% or grade of "C" or better of student register on this course.	12/09/2013 - 13 out of 15 or 87% of the students got a grade of "C" or better in this SLO during Fall 2013 semester. **Target Met:** Yes **Reporting Period:** 2013 - 2014	

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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			
A - instruction - Electronics Technology (AAS) - VEE 224 - Video System and Prodcut servicing - VEE224_CSLO_1 - Repair television cathode ray tube and liquid crystal display (TV CRT and LCD) and computer monitor system. (Created By A - instruction - Electronics Technology (AAS)) **CSLO Assessment Cycle:** 2013 - 2014 (Spring 2014) 2013 - 2014 (Summer 2014) 2014 - 2015 (Fall 2014) 2014 - 2015 (Spring 2015) **Start Date:** 01/06/2014 **Inactive Date:** 05/15/2015 **CSLO Status:** Inactive	**Assessment Strategy:** Hands-on servicing and troubleshooting TV CRT, LCD and computer monitor system. Written Test (quiz and exam) **Assessment Type:** Presentation/Performance **Target:** 70% or grade of "C" or higher level of competency of 2nd yr students of AAS in Electronics.	05/07/2014 - 16 out of 16 students or 100% got a grade of "C" or better and were able to service and troubleshoot TV CRT, LCD and computer monitor system. **Target Met:** Yes **Reporting Period:** 2013 - 2014	
A - instruction - Electronics Technology (AAS) - VEE 224 - Video System and Prodcut servicing - VEE224_CSLO_2 - Repair video cassette recorders (VCR). (Created By A - instruction - Electronics Technology (AAS)) **CSLO Assessment Cycle:** 2013 - 2014 (Spring 2014) 2013 - 2014 (Summer 2014)	**Assessment Strategy:** Hands-on servicing and troubleshooting of VCR. Written Test (quiz and exam) **Assessment Type:** Presentation/Performance **Target:** 70% or grade of "C" or higher level of competency of 2nd yr students of AAS in Electronics	05/07/2014 - 16 out of 16 students or 100% got a grade of "C" or better and were able to service and troubleshoot VCR system. **Target Met:** Yes **Reporting Period:** 2013 - 2014	

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2014 - 2015 (Fall 2014) 2014 - 2015 (Spring 2015) **Start Date:** 01/06/2014 **Inactive Date:** 05/15/2015 **CSLO Status:** Inactive			
A - instruction - Electronics Technology (AAS) - VEE 224 - Video System and Prodcut servicing - VEE224_CSLO_3 - Repair compact disk (CD) player. (Created By A - instruction - Electronics Technology (AAS)) **CSLO Assessment Cycle:** 2013 - 2014 (Spring 2014) 2013 - 2014 (Summer 2014)	**Assessment Strategy:** Servicing and troubleshooting of CD. Written Test (quiz and exam) **Assessment Type:** Presentation/Performance **Target:** 70% or grade of "C" or higher level of competency of 2nd yr students of AAS in Electronics	05/07/2014 - 16 out of 16 students or 100% got a grade of "C" or better and were able to service and troubleshoot CD system. **Target Met:** Yes **Reporting Period:** 2013 - 2014	
2014 - 2015 (Fall 2014) 2014 - 2015 (Spring 2015) **Start Date:** 01/06/2014 **Inactive Date:** 05/15/2015 **CSLO Status:** Inactive			
A - instruction - Electronics Technology (AAS) - VEE 224 - Video System and Prodcut servicing - VEE222_CSLO_4 - Repair digital video disc (DVD) player. (Created By A - instruction - Electronics Technology (AAS)) **CSLO Assessment Cycle:** 2013 - 2014 (Spring 2014) 2013 - 2014 (Summer 2014) 2014 - 2015 (Fall 2014) 2014 - 2015 (Spring 2015) **Start Date:** 01/06/2014 **Inactive Date:** 05/15/2015	**Assessment Strategy:** Servicing and troubleshooting of DVD player. Written Test (quiz and exam) **Assessment Type:** Presentation/Performance **Target:** 70% or grade of "C" or higher level of competency of 2nd yr students of AAS in Electronics	05/07/2014 - 16 out of 16 students or 100% got a grade of "C" or better and were able to service and troubleshoot DVD players. **Target Met:** Yes **Reporting Period:** 2013 - 2014	

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CSLO Status: Inactive A - instruction - Electronics Technology (AAS) - VEE 225 - Business Machine Servicing - VEE225_CSLO_1 - Service and repair fax machine. (Created By A - instruction - Electronics Technology (AAS)) **CSLO Assessment Cycle:** 2013 - 2014 (Spring 2014) 2013 - 2014 (Summer 2014) 2014 - 2015 (Fall 2014) 2014 - 2015 (Spring 2015) **Start Date:** 01/06/2014 **Inactive Date:** 05/15/2015 **CSLO Status:** Inactive	**Assessment Strategy:** Hands-on troubleshooting of fax machine **Assessment Type:** Presentation/Performance **Target:** 70% or grade of "C" or higher level of competency of 2nd yr students of AAS in Electronics.	05/07/2014 - 16 out of 16 students or 100% got a grade of "C" or better and were able to service and troubleshoot fax machine. **Target Met:** Yes **Reporting Period:** 2013 - 2014	
A - instruction - Electronics Technology (AAS) - VEE 225 - Business Machine Servicing - VEE225_CSLO_2 - Service and repair computer printer (laser & desk jet). (Created By A - instruction - Electronics Technology (AAS)) **CSLO Assessment Cycle:** 2013 - 2014 (Spring 2014) 2013 - 2014 (Summer 2014) 2014 - 2015 (Fall 2014) 2014 - 2015 (Spring 2015) **Start Date:** 01/06/2014 **Inactive Date:** 05/15/2015 **CSLO Status:** Inactive	**Assessment Strategy:** Troubleshooting of computer printer. **Assessment Type:** Presentation/Performance **Target:** 70% or grade of "C" or higher level of competency of 2nd yr students of AAS in Electronics.	05/07/2014 - 16 out of 16 students or 100% got a grade of "C" or better and were able to service and troubleshoot computer printer. **Target Met:** Yes **Reporting Period:** 2013 - 2014	
A - instruction - Electronics Technology (AAS) - VEE 225 - Business Machine Servicing - VEE225_CSLO_3 - Service and repair cash register. (Created By A - instruction - Electronics Technology (AAS))	**Assessment Strategy:** Hands-on troubleshooting of cash register **Assessment Type:** Presentation/Performance **Target:**	05/07/2014 - 16 out of 16 students or 100% got a grade of "C" or better and were able to service and troubleshoot cash register. **Target Met:** Yes	

Course Student Learning Outcomes	Assessment Strategies & Target / Tasks	Results	Improvement & Follow-Up
CSLO Assessment Cycle: 2013 - 2014 (Spring 2014) 2013 - 2014 (Summer 2014) 2014 - 2015 (Fall 2014) 2014 - 2015 (Spring 2015) **Start Date:** 01/06/2014 **Inactive Date:** 05/15/2015 **CSLO Status:** Inactive	70% or grade of "C" or higher level of competency of 2nd yr students of AAS in Electronics.	**Reporting Period:** 2013 - 2014	
A - instruction - Electronics Technology (AAS) - VEE 225 - Business Machine Servicing - VEE225_CSLO_4 - Service and repair photocopier. (Created By A - instruction - Electronics Technology (AAS)) **CSLO Assessment Cycle:** 2013 - 2014 (Spring 2014) 2013 - 2014 (Summer 2014) 2014 - 2015 (Fall 2014) 2014 - 2015 (Spring 2015) **Start Date:** 01/06/2014 **Inactive Date:** 05/15/2015 **CSLO Status:** Inactive	**Assessment Strategy:** Hands-on troubleshooting of photocopier. **Assessment Type:** Presentation/Performance **Target:** 70% or grade of "C" or higher level of competency of 2nd yr students of AAS in Electronics.	05/07/2014 - 16 out of 16 students or 100% got a grade of "C" or better and were able to service and troubleshoot photocopier. **Target Met:** Yes **Reporting Period:** 2013 - 2014	
A - instruction - Electronics Technology (AAS) - VEE 225 - Business Machine Servicing - VEE225_CSLO_5 - Service and repair microwave oven. (Created By A - instruction - Electronics Technology (AAS)) **CSLO Assessment Cycle:** 2013 - 2014 (Spring 2014) 2013 - 2014 (Summer 2014) 2014 - 2015 (Fall 2014) 2014 - 2015 (Spring 2015) **Start Date:** 01/06/2014 **Inactive Date:**	**Assessment Strategy:** Hands-on troubleshooting of microwave oven. **Assessment Type:** Presentation/Performance **Target:** 70% or grade of "C" or higher level of competency of 2nd yr students of AAS in Electronics.	05/07/2014 - 16 out of 16 students or 100% got a grade of "C" or better and were able to service and troubleshoot microwave oven. **Target Met:** Yes **Reporting Period:** 2013 - 2014	

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05/15/2015 **CSLO Status:** Inactive A - instruction - Electronics Technology (AAS) - VEE 240 - Signal processing - VEE240_CSLO_1 - Describe analog pulse modulation circuit operation. (Created By A - instruction - Electronics Technology (AAS)) **CSLO Assessment Cycle:** 2014 - 2015 (Fall 2014) **Start Date:** 08/18/2014 **Inactive Date:** 12/12/2014 **CSLO Status:** Active	**Assessment Strategy:** Written assessment will be administer on topic covered. **Assessment Type:** Exam/Quiz - In Course **Target:** 70% or grade of "C" or higher of all student registered on the course.	01/10/2014 - 11 out of 11 students got a grade of C and better in SLO1. **Target Met:** Yes **Reporting Period:** 2013 - 2014	
A - instruction - Electronics Technology (AAS) - VEE 240 - Signal processing - VEE240_CSLO_2 - Describe and analyze Pulse Coded Modulation (PCM) circuit operation and troubleshooting. (Created By A - instruction - Electronics Technology (AAS)) **CSLO Assessment Cycle:** 2014 - 2015 (Fall 2014) **Start Date:** 08/19/2014 **Inactive Date:** 12/12/2014 **CSLO Status:** Active	**Assessment Strategy:** Practical and written assessment on the operation and troubleshooting of PCM circuit. **Assessment Type:** Presentation/Performance **Target:** 70% or grade of "C" or higher of all student registered on the course.	01/13/2014 - 11 out of 11 students got a grade of C and better in SLO2. **Target Met:** Yes **Reporting Period:** 2013 - 2014	
A - instruction - Electronics Technology (AAS) - VEE 240 - Signal processing - VEE240_CSLO_3 - Describe and analyze Delta Modulation (DM) circuit operation and troubleshooting. (Created By A - instruction - Electronics Technology (AAS)) **CSLO Assessment Cycle:** 2014 - 2015 (Fall 2014) **Start Date:**	**Assessment Strategy:** Written and hands-on assessment on DM circuit operation and troubleshooting. **Assessment Type:** Presentation/Performance **Target:** 70% or grade of "C" or higher of all student registered on the course.	01/13/2014 - 11 out of 11 students got a grade of C and better in SLO3. **Target Met:** Yes **Reporting Period:** 2013 - 2014	

Course Student Learning Outcomes	Assessment Strategies & Target / Tasks	Results	Improvement & Follow-Up
08/18/2014 **Inactive Date:** 12/12/2014 **CSLO Status:** Active			
A - instruction - Electronics Technology (AAS) - VEE 240 - Signal processing - VEE240_CSLO_4 - Describe and analyze Frequency Shift Keying (FSK) circuit operation and troubleshooting. (Created By A - instruction - Electronics Technology (AAS)) **CSLO Assessment Cycle:** 2014 - 2015 (Fall 2014) **Start Date:** 08/18/2014 **Inactive Date:** 12/12/2014 **CSLO Status:** Active	**Assessment Strategy:** Written and hands-on assessment on FSK circuit operation and troubleshooting. **Assessment Type:** Presentation/Performance **Target:** 70% or grade of "C" or higher of all student registered on the course.	01/13/2014 - 11 out of 11 students got a grade of C and better in SLO4. **Target Met:** Yes **Reporting Period:** 2013 - 2014	
A - instruction - Electronics Technology (AAS) - VEE 240 - Signal processing - VEE240_CSLO_5 - Describe and analyze Phase Shift Keying (PSK) circuit operation and troubleshooting. (Created By A - instruction - Electronics Technology (AAS)) **CSLO Assessment Cycle:** 2014 - 2015 (Fall 2014) **Start Date:** 08/18/2014 **Inactive Date:** 12/12/2014 **CSLO Status:** Active	**Assessment Strategy:** Experiment will be use PSK circuit operation and troubleshooting. Student will be assess using written and hands-on activity result. **Assessment Type:** Presentation/Performance **Target:** 70% or grade of "C" or higher of all student registered on the course.	01/13/2014 - 11 out of 11 students got a grade of C and better in SLO5. **Target Met:** Yes **Reporting Period:** 2013 - 2014	
A - instruction - Electronics Technology (AAS) - VEE 240 - Signal processing - VEE240_CSLO_6 - Describe and analyze Time and Frequency division multiplexing circuit operation and troubleshooting. (Created By A - instruction - Electronics Technology (AAS))	**Assessment Strategy:** Hands-on and written assessment on operation and troubleshooting of TDM and FDM circuits. **Assessment Type:** Presentation/Performance	01/13/2014 - 11 out of 11 students got a grade of C and better in SLO6. **Target Met:** Yes **Reporting Period:** 2013 - 2014	

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CSLO Assessment Cycle: 2014 - 2015 (Fall 2014) **Start Date:** 08/18/2014 **Inactive Date:** 12/12/2014 **CSLO Status:** Active	**Target:** 70% or grade of "C" or higher of all student registered on the course.		
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)) **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 evaluated to identify common/basic tools found in the workshop or in their toolkit. **Assessment Type:** Presentation/Performance **Target:** Students must get 70% or a grade of "C" or better in this CSLO.	12/13/2013 - 83% or 15 out of 18 students were able to identify common/basic tools found in the workshop. **Target Met:** Yes **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)	**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	

Course Student Learning Outcomes	Assessment Strategies & Target / Tasks	Results	Improvement & Follow-Up
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			
B - instruction - Construction Electricity (CA) - VEM 110 - Workshop fabrication - VEM110_CSLO_3 - Identify basic portable power tool. (Created By B - instruction - Construction Electricity (CA)) **CSLO Assessment Cycle:** 2012 - 2013 (Fall 2012) 2012 - 2013 (Spring 2013) 2012 - 2013 (Summer 2013)	**Assessment Strategy:** Using portable tools in the workshop, students will identify these power tools and their use. **Assessment Type:** Exam/Quiz - In Course **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 identify and use portable power tools. **Target Met:** Yes **Reporting Period:** 2013 - 2014	
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			
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)	**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	

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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			