

Academic Programs Assessment Plan

Construction Electricity

Spring 2012

Academic Program

 Formative Assessment

 Summative Assessment

Assessment Period Covered

January 2012

Date Submitted

Institutional Mission/Strategic Goal:

Mission: Historically diverse, uniquely Micronesian and globally connected, the College of Micronesia-FSM is a continuously improving and student centered institute of higher education. The college is committed to assisting in the development of the Federated States of Micronesia by providing academic, career and technical educational opportunities for student learning.

Strategic Goal (*which strategic goal(s) most support the services being provided*):

- (1) Promote learning and teaching for knowledge, skills creativity, intellect and the abilities to seek and analyze information and to communicate effectively.
- (2) Build a partnership and services network for community, workforce and economic development.

Academic Program Mission Statement :

Construction Electricity is one of the trade occupations under the Building Technology which prepares the students to gain knowledge in electricity as well as to provide with hands-on experiences that will put them for positions in the competitive Electrical Industry workforce.

Academic Program Outcomes:

1. Practice safety and occupational health procedures in the workplace.
2. Use electricity hand and power tools competently.
3. Test electrical equipment.
4. Interpret schematic wiring diagrams and waveforms.
5. Determine the amount of load per circuit.

Evaluation Questions	Data Sources	Sampling	Analysis
1. Did the students apply safety practices with or without the supervision of the instructor in the workplace?	Hands-on workshop activities and written test.	All first year students enrolled in VEM 112, VEM 240	Performance test score and written test score.
2. Did the students apply proper use of electrical hand and power tools competently during their work/activities?	Hands-on workshop activities and written test.	All first & second year students enrolled in VEM 111, VEM 112, VEM 240, VEE 110, VEE 222	Performance test score and written test score.
3. Did the students able to use test equipment in their laboratory activities?	Hands-on workshop activities and written test.	All first & second year students enrolled in VEM 104, VEM 240, VEE 110	Performance test score and written test score.

Evaluation Questions	Data Sources	Sampling	Analysis
		VEE 266 VEE 222	
4. Did the students read and interpret schematic wiring diagram in their wiring activities?	Hands-on workshop activities and written test.	All first & second year students enrolled in VEM 111, VEM 112, VEM 240, VEE 110, VEE 222, VEE 266	Performance test score and written test score.
5. Did the student able to calculate/determine load per circuit?	Hands-on workshop activities and written test.	All first & second year students enrolled in VEM 110, VEM 104, VEM 111, VEM 112, VEM 212, VEM 240	Performance test score and written test score.

Timeline

Activity	Who is Responsible?	Date
1. Follow safety procedures in splicing wire taps and joints.	R. Victor	Spring 2012
2. Perform workshop hand and power tools maintenance.	R. Victor/C. Recana	Spring 2012
3. Wire and troubleshoot kitchen, bedroom, and bathroom circuit.	R. Victor	Spring 2012
4. Perform measurements of electrical parameters using multimeter, oscilloscope, function gen. in their laboratory activities.	C. Recana	Spring 2012
5. Perform different motor control wiring by following safety procedures and proper use of tools for the trade.	C. Recana	Spring 2011
6. Calculate voltage, current and power per circuit load.	R. Victor /C. Recana	Spring 2012

Comments: