

Assessment Plan Worksheet # 2

Academic Programs

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|---|--|----------------------------------|
| Building Technology | | Fall 2012-Spring 2013 |
| Academic Program | | Assessment Period Covered |
| <input type="checkbox"/> Formative Assessment | | August 2012 |
| <input checked="" type="checkbox"/> Summative Assessment | | 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:

- (1) Promote learning and teaching for knowledge, skills creativity, intellect and the abilities to seek and analyze information and to communicate effectively.*
- (9) Provide for continuous improvement of programs, services and college environment*

Academic Program Mission Statement:

The Building Technology major in Construction Electricity prepares the students to gain knowledge in residential and industrial wiring, AC motor and control principles and troubleshooting. It provides students hands-on experiences that will put them for positions in the competitive Electrical Industry workforce.

Academic Program Goals:

- 1. Demonstrate skills that are needed to pursue a career in Building Technology as electrician in the field of construction electricity.*
- 2. Demonstrate intellectual skills and critical thinking skills and become effective learners and well rounded citizen.*

Academic Program Outcomes:

Students will be able to:

1. *Practice Safety and occupational health procedures in the workplace.*
2. *Use electrical hand and power tools competently.*
3. *Test electrical equipment.*
4. *Interpret schematic diagrams and waveforms.*
5. *Determine the amount of load per circuit.*
6. *Install wiring circuits according to given specification and plan.*

| Evaluation questions | Data sources | Sampling | Analysis |
|--|--|---|--|
| Do the technical courses in AAS Building Technology major in Construction Electricity such as: VEM 102, VEM 103, VEM 104, VEM 110, VSP 121, VEE 110 and VEE 222 have 70% (grade of "C") and above passing grade in their respective SLO's? | Hands-on workshop activities and written test. | All first year students enrolled in VEM 102, VEM 103, VEM 104, VEM 110, VSP 121, VEE 110 and VEE 222. | Performance test score and written test score. |
| Do the major courses in AAS Building Technology major in Construction Electricity such as: VEM 111, VEM 112, VEM 212, VEM 240 and VEE 266 have 70% (grade of "C") and above passing grade in their respective SLO's? | Hands-on workshop activities and written test. | All first year and second year students enrolled VEM 111, VEM 112, VEE 266, VEM 212 and VEM 240. | Performance test score and written test score. |

Timeline

| Activity | Who is Responsible? | Date |
|--|----------------------------|-------------|
| VEM 102: Draw and interpret electrical plans and specifications. | R. Victor | Fall 2012 |
| VEM 103: Perform DC circuit using bread boarding in series and parallel circuit. | R. Victor | Fall 2012 |
| VEM 104: Perform AC circuit in series and parallel circuit using bread boarding technique. | R. Victor | Fall 2012 |

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| VEM 110: Use hand and power tools competently in performing/installing electrical circuits using the board. | R. Victor | Fall 2012 |
| VSP 121: Identify hazardous location and the safety involved in dealing with electricity. | R. Victor | Fall 2012 |
| VEM 111: Identify standards used in residential wiring using the NIDA software. | R. Victor | Spring 2013 |
| VEM 112: Perform residential wiring installation in the actual setup using the wiring booth. | R. Victor | Spring 2013 |
| VEE 110: Testing and experimenting diode and transistor components and circuit assembly. | C. Recana | Fall 2012 |
| VEE 222: Circuit tracing, analysis and troubleshooting discrete devices such as UJT, SCR, Triac & Diac and PUT. | C. Recana | Spring 2013 |
| VEE 266: Perform DC and AC motor circuit connection, troubleshooting and load calculation. | C. Recana | Fall 2012 |
| VEM 212: Interpret electrical codes using the NEC and identify wiring methods standards and proper applications. | C. Recana | Spring 2013 |
| VEM 240: Draw and connect motor control circuit and troubleshoot using simulation software. | C. Recana | Spring 2013 |

Comment

None.

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