Assessment Impact by Course Objectives

Palau Community College

Program (ET) - Electrical Technology

Program (ET) - Electrical Technology

CLO: ET 103 - Mathematics for Electrical and Electronics: CLO 1

Demonstrate ability to convert unit from one form to another.

CLO Assessment Cycle: 2014-2015 (Fall 2014)
Start Date: 12/15/2014
CLO Status: Active

Means of Assessment

Means of Assessment	Expected Student Performance	Notes	Active
Demonstrate ability to convert unit from one form to another **Signature assignment:** Written/Oral Test	70% of the students assessed will perform at the proficiency level.		Yes

Results

Summary of Data Collected	Use of Results	Follow-Up	Semester Assessed
Written/Oral Test - 12/18/2015 - 80% of the student assessed performed at the proficiency level. **Expected Student Performance Met:** Yes **Related Documents:** ET 103 CLO1 Fa2015.PDF	12/18/2015 - The assessment result shows that 3 out of 6 CLO's achieved the criteria for success which shows a little improvement compared to the previous assessment. This is probably the positive impact of having the textbook readily available at the very start of the semester. Despite of this improvement, we still need to deal with the other CLO's of which the criteria for success are not achieved. One of the possible reasons which were observed during the delivery of the course is the length of time. Due to students limited basic mathematical skills it takes more time for them to grasp the application of the basic mathematical concepts. It is therefore recommended to increase the number of hours by adding lab credit on this course. PLAN OF ACTION / ADDITIONAL COMMENTS Continue the usual administrative support to ensure students' success.		2015-2016 (Fall 2015)
Written/Oral Test - 12/15/2014 - 60% of students assessed performed at the proficiency level **Expected Student Performance Met:**	12/15/2014 - Based on the faculty discussion about the compiled result, CLO1, CLO3, CLO4 and CLO5 achieved below average rating.		2014 - 2015 (Fall 2014)

Results			
Summary of Data Collected	**Use of Results**	**Follow-Up**	**Semester Assessed**
No **Related Documents:** ET103 CLO1.pdf	One significant contributing factor to this failure was the availability of textbook. The textbook had arrived a few days before midterm examination. The students never had a chance to practice calculations with the aid of textbook.		

CLO: ET 103 - Mathematics for Electrical and Electronics: CLO 2

Demonstrate ability to calculate problems involving Ohm's Law, Kirchoff's Law, and power law.

CLO Assessment Cycle: 2014-2015 (Fall 2014)
Start Date: 12/15/2014
CLO Status: Active

Means of Assessment			
Means of Assessment	**Expected Student Performance**	**Notes**	**Active**
Demonstrate ability to calculate problems involving Ohm's Law, Kirchhoff's Law, and power law. **Signature assignment:** Written/Oral Test	70% of the students assessed will perform at the proficiency level.		Yes

Results			
Summary of Data Collected	**Use of Results**	**Follow-Up**	**Semester Assessed**
Written/Oral Test - 12/18/2015 - 57% of the student assessed performed at the proficiency level. **Expected Student Performance Met:** No **Related Documents:** ET 103 CLO2 Fa2015.PDF	12/18/2015 - The assessment result shows that 3 out of 6 CLO's achieved the criteria for success which shows a little improvement compared to the previous assessment. This is probably the positive impact of having the textbook readily available at the very start of the semester. Despite of this improvement, we still need to deal with the other CLO's of which the criteria for success are not achieved. One of the possible reasons which were observed during the delivery of the course is the length of time. Due to students limited basic mathematical skills it takes more time for them to grasp the application of the basic mathematical concepts. It is therefore recommended to increase the number of hours by adding lab credit on this course. PLAN OF ACTION / ADDITIONAL COMMENTS Continue the usual administrative support to ensure		2015-2016 (Fall 2015)

Results			
Summary of Data Collected	**Use of Results**	**Follow-Up**	**Semester Assessed**
	students' success.		
Written/Oral Test - 12/15/2014 - 75% of the students assessed performed at the profiency level **Expected Student Performance Met:** Yes **Related Documents:** ET103 CLO2.pdf	12/15/2014 - The criterion for success is achieved, therefore no further action is required at this point.		2014 - 2015 (Fall 2014)

CLO: ET 103 - Mathematics for Electrical and Electronics: CLO 3

Estimate electrical energy consumed through the given loads and power rating.

CLO Assessment Cycle: 2014-2015 (Fall 2014)
Start Date: 12/15/2014
CLO Status: Active

Means of Assessment			
Means of Assessment	**Expected Student Performance**	**Notes**	**Active**
Estimate electrical energy consumed through the given loads and power rating. **Signature assignment:** Written/Oral Test	70% of the students assessed will perform at the proficiency level.		Yes

Results			
Summary of Data Collected	**Use of Results**	**Follow-Up**	**Semester Assessed**
Written/Oral Test - 12/18/2015 - 75% of the student assessed performed at the proficiency level. **Expected Student Performance Met:** Yes **Related Documents:** ET 103 CLO3 Fa2015.PDF	12/18/2015 - The assessment result shows that 3 out of 6 CLO's achieved the criteria for success which shows a little improvement compared to the previous assessment. This is probably the positive impact of having the textbook readily available at the very start of the semester. Despite of this improvement, we still need to deal with the other CLO's of which the criteria for success are not achieved. One of the possible reasons which were observed during the delivery of the course is the length of time. Due to students limited basic mathematical skills it takes more time for them to grasp the application of the basic mathematical concepts. It is therefore recommended to increase the number of hours by adding lab credit on this course. PLAN OF ACTION / ADDITIONAL COMMENTS Continue the usual administrative support to ensure		2015-2016 (Fall 2015)

Results			
Summary of Data Collected	**Use of Results**	**Follow-Up**	**Semester Assessed**
	students' success.		
Written/Oral Test - 12/15/2014 - 20% of the students assessed performed at the proficiency level **Expected Student Performance Met:** No **Related Documents:** ET103 CLO3.pdf	12/15/2014 - Based on the faculty discussion about the compiled result, CLO1, CLO3, CLO4 and CLO5 achieved below average rating. One significant contributing factor to this failure was the availability of textbook. The textbook had arrived a few days before midterm examination. The students never had a chance to practice calculations with the aid of textbook.		2014 - 2015 (Fall 2014)

CLO: ET 103 - Mathematics for Electrical and Electronics: CLO 4

Demonstrate ability to calculate wire resistance and voltage drops.

CLO Assessment Cycle: 2014-2015 (Fall 2014)
Start Date: 12/15/2014
CLO Status: Active

Means of Assessment			
Means of Assessment	**Expected Student Performance**	**Notes**	**Active**
Demonstrate ability to calculate wire resistance and voltage drops. **Signature assignment:** Written/Oral Test	70% of the students assessed will perform at the proficiency level.		Yes

Results			
Summary of Data Collected	**Use of Results**	**Follow-Up**	**Semester Assessed**
Written/Oral Test - 12/18/2015 - 67% of the student assessed performed at the proficiency level. **Expected Student Performance Met:** No **Related Documents:** ET 103 CLO4 Fa2015.pdf	12/18/2015 - The assessment result shows that 3 out of 6 CLO's achieved the criteria for success which shows a little improvement compared to the previous assessment. This is probably the positive impact of having the textbook readily available at the very start of the semester. Despite of this improvement, we still need to deal with the other CLO's of which the criteria for success are not achieved. One of the possible reasons which were observed during the delivery of the course is the length of time. Due to students limited basic mathematical skills it takes more time for them to grasp the application of the basic mathematical concepts. It is therefore recommended to increase the number of hours by adding lab credit on this course. PLAN OF ACTION / ADDITIONAL		2015-2016 (Fall 2015)

Results			
Summary of Data Collected	**Use of Results**	**Follow-Up**	**Semester Assessed**
	COMMENTS Continue the usual administrative support to ensure students' success.		
Written/Oral Test - 12/15/2014 - 25% of the students assessed performed at the proficiency level **Expected Student Performance Met:** No **Related Documents:** ET103 CLO4.pdf	12/15/2014 - Based on the faculty discussion about the compiled result, CLO1, CLO3, CLO4 and CLO5 achieved below average rating. One significant contributing factor to this failure was the availability of textbook. The textbook had arrived a few days before midterm examination. The students never had a chance to practice calculations with the aid of textbook.		2014 - 2015 (Fall 2014)

CLO: ET 103 - Mathematics for Electrical and Electronics: CLO 5

Demonstrate ability to calculate problems involving resistance, inductance and capacitance in AC circuits.

CLO Assessment Cycle: 2014-2015 (Fall 2014)
Start Date: 12/15/2014
CLO Status: Active

Means of Assessment			
Means of Assessment	**Expected Student Performance**	**Notes**	**Active**
Demonstrate ability to calculate problems involving resistance, inductance and capacitance in AC circuits. **Signature assignment:** Written/Oral Test	70% of the students assessed will perform at the proficiency level.		Yes

Results			
Summary of Data Collected	**Use of Results**	**Follow-Up**	**Semester Assessed**
Written/Oral Test - 12/18/2015 - 38% of the student assessed performed at the proficiency level. **Expected Student Performance Met:** No **Related Documents:** ET 103 CLO5 Fa2015.pdf	12/18/2015 - The assessment result shows that 3 out of 6 CLO's achieved the criteria for success which shows a little improvement compared to the previous assessment. This is probably the positive impact of having the textbook readily available at the very start of the semester. Despite of this improvement, we still need to deal with the other CLO's of which the criteria for success are not achieved. One of the possible reasons which were observed during the delivery of the course is the length of time. Due to students limited basic mathematical skills it takes more time for them to grasp the application of the basic mathematical concepts. It is therefore		2015-2016 (Fall 2015)

Results			
Summary of Data Collected	**Use of Results**	**Follow-Up**	**Semester Assessed**
	recommended to increase the number of hours by adding lab credit on this course. PLAN OF ACTION / ADDITIONAL COMMENTS Continue the usual administrative support to ensure students' success.		
Written/Oral Test - 12/15/2014 - 20% of the students assessed performed at the proficiency level **Expected Student Performance Met:** No **Related Documents:** ET103 CLO5.pdf	12/15/2014 - Based on the faculty discussion about the compiled result, CLO1, CLO3, CLO4 and CLO5 achieved below average rating. One significant contributing factor to this failure was the availability of textbook. The textbook had arrived a few days before midterm examination. The students never had a chance to practice calculations with the aid of textbook.		2014 - 2015 (Fall 2014)

CLO: ET 103 - Mathematics for Electrical and Electronics: CLO 6

Demonstrate ability to calculate alternating current power and power factor.

CLO Assessment Cycle: 2014-2015 (Fall 2014)
Start Date: 12/15/2014
CLO Status: Active

Means of Assessment			
Means of Assessment	**Expected Student Performance**	**Notes**	**Active**
Demonstrate ability to calculate alternating current power and power factor **Signature assignment:** Written/Oral Test	70% of the students assessed will perform at the proficiency level.		Yes

Results			
Summary of Data Collected	**Use of Results**	**Follow-Up**	**Semester Assessed**
Written/Oral Test - 12/18/2015 - 100% of the student assessed performed at the proficiency level. **Expected Student Performance Met:** Yes **Related Documents:** ET 103 CLO6 Fa2015.pdf	12/18/2015 - The assessment result shows that 3 out of 6 CLO's achieved the criteria for success which shows a little improvement compared to the previous assessment. This is probably the positive impact of having the textbook readily available at the very start of the semester. Despite of this improvement, we still need to deal with the other CLO's of which the criteria for success are not achieved. One of the possible reasons which were observed during the delivery of the course is the length of time. Due to students		2015-2016 (Fall 2015)

Results

Summary of Data Collected	Use of Results	Follow-Up	Semester Assessed
	limited basic mathematical skills it takes more time for them to grasp the application of the basic mathematical concepts. It is therefore recommended to increase the number of hours by adding lab credit on this course. PLAN OF ACTION / ADDITIONAL COMMENTS Continue the usual administrative support to ensure students' success.		
Written/Oral Test - 12/15/2014 - 100% of the students assessed performed at the proficiency level **Expected Student Performance Met:** Yes **Related Documents:** ET103 CLO6.pdf	12/15/2014 - The criterion for success is achieved, therefore no further action is required at this point.		2014 - 2015 (Fall 2014)