

Assessment Impact by Course Objectives
Palau Community College
Department (MA) - Mathematics Department

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CLO: MA 111 - College Algebra: CLO 1

Solve problems with linear equations, and graph a linear function.

CLO Assessment Cycle: 2014-2015 (Spring 2015)

CLO Status: Active

Means of Assessment			
Means of Assessment	Expected Student Performance	Notes	Active
Construct graphs of linear functions and equations of lines and solve problems using linear functions. Signature assignment: Midterm Exam	70% of the students assessed will perform at the proficiency level.		Yes
Construct graphs of linear functions and equations of lines and solve problems using linear functions. Signature assignment: Final Exam	70% of the students assessed will perform at the proficiency level.		Yes

Results			
Summary of Data Collected	Use of Results	Follow-Up	Semester Assessed
Midterm Exam - 12/21/2015 - 100% of students assessed performed at proficiency level. Expected Student Performance Met: Yes Related Documents: CLO 1 LEVEL 3.PDF CLO 1 LEVEL 4.PDF	12/21/2015 - Instructor should continuously use effective measures of instruction to achieve all learning objectives at proficiency level.		2015-2016 (Fall 2015)
Final Exam - 05/18/2015 - 100% of students assessed performed at proficiency level. Expected Student Performance Met: Yes Related Documents: CLO1Level3.zip	05/18/2015 - Instructor should continuously use effective measures of instruction to achieve all learning objectives at proficiency level.	06/04/2015 - No necessary action at this time. 06/04/2015 - No necessary action at this time.	2014 - 2015 (Spring 2015)
Final Exam - 12/21/2014 - 100% of students assessed performed at proficiency level. Expected Student Performance Met: Yes Related Documents: CLO 1 Level 3 Student #7.doc CLO 1 Level 3 Student #8.doc	12/21/2014 - No comment at this time.		2014 - 2015 (Fall 2014)

Results			
Summary of Data Collected	Use of Results	Follow-Up	Semester Assessed
CLO 1 Level 4 Student #1.doc CLO 1 Level 4 Student #2.doc			
Final Exam - 05/30/2014 - 73% of the students assessed performed at the proficiency level. Expected Student Performance Met: Yes Related Documents: CLO 1.PDF			2013 - 2014 (Spring 2014)
Final Exam - 01/09/2014 - 64% of students assessed performed at proficiency level Expected Student Performance Met: No Related Documents: MA111 CLO 1.pdf	01/09/2014 - There are many factors that contributed to these results. First, most students still have weak understanding of basic concepts in algebra that is much needed at this course level. Second, because students lack the basic skills and knowledge of concepts, they tend to spend more time re-learning the basics and less time is spent on the much on the much needed higher-level concepts. Lastly, attendance is still a big factor that contributes to student level of understanding materials being taught.		2013 - 2014 (Fall 2013)

CLO: MA 111 - College Algebra: CLO 2

Perform operations on functions, and graph a non-linear function.

CLO Assessment Cycle: 2014-2015 (Spring 2015)

CLO Status: Active

Means of Assessment			
Means of Assessment	Expected Student Performance	Notes	Active
Construct graphs of non-linear functions, perform operations on functions, and find compositions and inverses of functions. Signature assignment: Final Exam	70% of the students assessed will perform at the proficiency level.		Yes
Construct graphs of non-linear functions, perform operations on functions, and find compositions and inverses of functions. Signature assignment: Midterm Exam	70% of the students assessed will perform at the proficiency level.		Yes

Results			
Summary of Data Collected	Use of Results	Follow-Up	Semester Assessed
Midterm Exam - 12/21/2015 - 100% of students assessed performed at proficiency level. Expected Student Performance Met: Yes Related Documents:	12/21/2015 - Instructor should continuously use effective measures of instruction to achieve all learning objectives at proficiency level.		2015-2016 (Fall 2015)

Results			
Summary of Data Collected	Use of Results	Follow-Up	Semester Assessed
CLO 2 LEVEL 3.PDF CLO 2 LEVEL 4.PDF			
Midterm Exam - 05/19/2015 - 100% of students assessed performed at proficiency level. Expected Student Performance Met: Yes Related Documents: CLO2Level3.zip CLO2Level4.zip	05/19/2015 - Instructor should continuously use effective measures of instruction to achieve all learning objectives at proficiency level.		2014 - 2015 (Spring 2015)
Final Exam - 12/21/2014 - 100% of students assessed performed at proficiency level. Expected Student Performance Met: Yes Related Documents: CLO 2 Level 3 Student #2.doc CLO 2 Level 3 Student #3.doc CLO 2 Level 4 Student #1.doc	12/21/2014 - No comment at this time.		2014 - 2015 (Fall 2014)
Final Exam - 05/30/2014 - 77% of the students assessed performed at the proficiency level. Expected Student Performance Met: Yes Related Documents: CLO 2.PDF			2013 - 2014 (Spring 2014)
Final Exam - 01/09/2014 - 72% of students assessed performed at proficiency level Expected Student Performance Met: Yes Related Documents: MA111 CLO 2.pdf	01/09/2014 - Continue to offer and assess the course and make necessary changes		2013 - 2014 (Fall 2013)

CLO: MA 111 - College Algebra: CLO 3

Solve application problems with exponential and logarithmic equations, and graph an exponential and logarithmic function.

CLO Assessment Cycle: 2014-2015 (Spring 2015)

CLO Status: Active

Means of Assessment			
Means of Assessment	Expected Student Performance	Notes	Active
Construct graphs of exponential and logarithmic functions and solve application problems with exponential and logarithmic equations. Signature assignment: Midterm Exam	70% of the students assessed will perform at the proficiency level.		Yes

Means of Assessment

Means of Assessment	Expected Student Performance	Notes	Active
Construct graphs of exponential and logarithmic functions and solve application problems with exponential and logarithmic equations. Signature assignment: Final Exam	70% of the students assessed will perform at the proficiency level.		Yes

Results

Summary of Data Collected	Use of Results	Follow-Up	Semester Assessed
Midterm Exam - 12/21/2015 - 100% of the student assessed performed at proficiency level. Expected Student Performance Met: Yes Related Documents: CLO 3 LEVEL 3.PDF CLO 3 LEVEL 4.PDF	12/21/2015 - Instructor should continuously use effective measures of instruction to achieve all learning objectives at proficiency level.		2015-2016 (Fall 2015)
Final Exam - 05/19/2015 - 100% of students assessed performed at proficiency level. Expected Student Performance Met: Yes Related Documents: CLO3Level4.zip	05/19/2015 - Instructor should continuously use effective measures of instruction to achieve all learning objectives at proficiency level.	06/04/2015 - No necessary action at this time.	2014 - 2015 (Spring 2015)
Final Exam - 12/21/2014 - 92% of students assessed performed at proficiency level. Expected Student Performance Met: Yes Related Documents: CLO 3 Level 2 Student #4.doc CLO 3 Level 3 Student #3.doc CLO 3 Level 3 Student #6.doc CLO 3 Level 4 Student #1.doc CLO 3 Level 4 Student #2.doc	12/21/2014 - No comment at this time.		2014 - 2015 (Fall 2014)
Final Exam - 05/30/2014 - 75% of the students assessed performed at the proficiency level. Expected Student Performance Met: Yes Related Documents: CLO 3.PDF			2013 - 2014 (Spring 2014)
Final Exam - 01/09/2014 - 71% of students assessed performed at proficiency level Expected Student Performance Met: Yes Related Documents: MA111 CLO 3.pdf	01/09/2014 - Continue to offer and assess the course and make necessary changes		2013 - 2014 (Fall 2013)

CLO: MA 111 - College Algebra: CLO 4

Solve polynomial equations with rational and irrational solutions.

CLO Assessment Cycle: 2014-2015 (Spring 2015)

CLO Status: Active

Means of Assessment			
Means of Assessment	Expected Student Performance	Notes	Active
Demonstrate understanding of the process of solving polynomial equations with rational and irrational solutions. Signature assignment: Midterm Exam	70% of the students assessed will perform at the proficiency level.		Yes
Demonstrate understanding of the process of solving polynomial equations with rational and irrational solutions. Signature assignment: Final Exam	70% of the students assessed will perform at the proficiency level.		Yes

Results			
Summary of Data Collected	Use of Results	Follow-Up	Semester Assessed
Final Exam - 12/21/2015 - 100% of students assessed performed at proficiency level. Expected Student Performance Met: Yes Related Documents: CLO 4 LEVEL 3.PDF CLO 4 LEVEL 4.PDF	12/21/2015 - Instructor should continuously use effective measures of instruction to achieve all learning objectives at proficiency level.		2015-2016 (Fall 2015)
Final Exam - 05/19/2015 - 100% of students assessed performed at proficiency level. Expected Student Performance Met: Yes Related Documents: CLO4Level3.zip CLO4Level4.zip	05/19/2015 - Continue to offer and assess the course and make necessary changes.	06/04/2015 - No necessary action at this time.	2014 - 2015 (Spring 2015)
Final Exam - 12/21/2014 - 100% of students assessed performed at proficiency level. Expected Student Performance Met: Yes Related Documents: CLO 4 Level 3 Student #1.doc CLO 4 Level 3 Student #2.doc CLO 4 Level 4 Student #5.doc CLO 4 Level 4 Student #9.doc	12/21/2014 - No comment at this time.		2014 - 2015 (Fall 2014)
Final Exam - 05/30/2014 - 73% of the students assessed performed at the proficiency level. Expected Student Performance Met: Yes			2013 - 2014 (Spring 2014)

Results			
Summary of Data Collected	Use of Results	Follow-Up	Semester Assessed
Related Documents: CLO 4.PDF Final Exam - 01/09/2014 - 51% of students assessed performed at proficiency level Expected Student Performance Met: No Related Documents: MA111 CLO 4.pdf	01/09/2014 - There are many factors that contributed to these results. First, most students still have weak understanding of basic concepts in algebra that is much needed at this course level. Second, because students lack the basic skills and knowledge of concepts, they tend to spend more time re-learning the basics and less time is spent on the much on the much needed higher-level concepts. Lastly, attendance is still a big factor that contributes to student level of understanding materials being taught.		2013 - 2014 (Fall 2013)

CLO: MA 111 - College Algebra: CLO 5

Solve system of equations using different methods.

CLO Assessment Cycle: 2014-2015 (Spring 2015)

CLO Status: Active

Means of Assessment			
Means of Assessment	Expected Student Performance	Notes	Active
Apply different methods in solving systems of equations, perform matrix operations, and solve matrices using various methods. Signature assignment: Midterm Exam	70% of the students assessed will perform at the proficiency level.		Yes
Apply different methods in solving systems of equations, perform matrix operations, and solve matrices using various methods. Signature assignment: Final Exam	70% of the students assessed will perform at the proficiency level.		Yes

Results			
Summary of Data Collected	Use of Results	Follow-Up	Semester Assessed
Final Exam - 12/21/2015 - 100% of students assessed performed at proficiency level Expected Student Performance Met: Yes Related Documents: CLO 5 LEVEL 3.PDF CLO 5 LEVEL 4.PDF	12/21/2015 - Instructor should continuously use effective measures of instruction to achieve all learning objectives at proficiency level.		2015-2016 (Fall 2015)
Final Exam - 05/19/2015 - 100% of students assessed performed at proficiency level. Expected Student Performance Met: Yes	05/19/2015 - Continue to offer and assess the course and make necessary changes.	06/04/2015 - No necessary action at this time.	2014 - 2015 (Spring 2015)

Results

Summary of Data Collected	Use of Results	Follow-Up	Semester Assessed
<p>Related Documents: CLO5Level3.zip CLO5Level4.zip</p>			
<p>Final Exam - 12/21/2014 - 75% of students assessed performed at proficiency level. Expected Student Performance Met: Yes</p> <p>Related Documents: CLO 5 Level 2 Student #2.doc CLO 5 Level 2 Student #7.doc CLO 5 Level 3 Student #3.doc CLO 5 Level 3 Student #6.doc CLO 5 Level 4 Student #1.doc CLO 5 Level 4 Student #4.doc</p>	<p>12/21/2014 - Instructor should develop better methods and strategies to enhance the skills of the students in solving system of equations using different method.</p>		2014 - 2015 (Fall 2014)
<p>Final Exam - 05/30/2014 - 61% of the students assessed performed at the proficiency level. Expected Student Performance Met: No</p> <p>Related Documents: CLO 5.PDF</p>	<p>05/30/2014 - The results show that students assessed did not reached competency level for CLO5, and therefore, more time is needed to help students better understand the use of matrices to solve systems of equations.</p>		2013 - 2014 (Spring 2014)
<p>Final Exam - 01/09/2014 - 63% of students assessed performed at proficiency level Expected Student Performance Met: No</p> <p>Related Documents: MA111 CLO 5.pdf</p>	<p>01/09/2014 - There are many factors that contributed to these results. First, most students still have weak understanding of basic concepts in algebra that is much needed at this course level. Second, because students lack the basic skills and knowledge of concepts, they tend to spend more time re-learning the basics and less time is spent on the much on the much needed higher-level concepts. Lastly, attendance is still a big factor that contributes to student level of understanding materials being taught.</p>		2013 - 2014 (Fall 2013)