Assessment Impact by Course Objectives

Palau Community College

Department (MA) - Mathematics Department

Department (MA) - Mathematics Department

CLO: MA 221 - Calculus I: CLO 1

Construct graphs of exponential, logarithmic, polynomial, and rational functions and apply these functions to solve application problems.

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, logarithmic, polynomial, and rational functions and apply these functions to solve application problems. **Signature assignment:** Midterm Exam	70% of the students assessed will perform at the proficiency level.	Spring semester 2015 one student enrolled but the student withdrew and so the course could not be assessed. 2/6/16	Yes
Construct graphs of exponential, logarithmic, polynomial, and rational functions and apply these functions to solve application problems. **Signature assignment:** Final Exam	70% of the students assessed will perform at the proficiency level.	Spring semester 2015 one student enrolled but the student withdrew and so the course could not be assessed. 2/6/16	Yes

Results

Summary of Data Collected	Use of Results	Follow-Up	Semester Assessed
No Results reported.			

CLO: MA 221 - Calculus I: CLO 2

Determine the limit at a point or at infinity for functions presented in symbolic or graphical form, and identify points of discontinuity or continuity for functions presented in symbolic or graphical form.

CLO Assessment Cycle: 2014-2015 (Spring 2015)

CLO Status: Active

Means of Assessment

Means of Assessment	Expected Student Performance	Notes	Active
Determine the limit at a point or at infinity for functions presented in symbolic or graphical form, and identify points of discontinuity or continuity for functions presented in symbolic or graphical form. **Signature assignment:** Midterm Exam	70% of the students assessed will perform at the proficiency level.	Spring semester 2015 one student enrolled but the student withdrew and so the course could not be assessed. 2/6/16	Yes
Determine the limit at a point or at infinity for functions presented in symbolic or graphical form, and identify points of discontinuity or continuity for functions presented in symbolic or graphical form. **Signature assignment:** Final Exam	70% of the students assessed will perform at the proficiency level.	Spring semester 2015 one student enrolled but the student withdrew and so the course could not be assessed. 2/6/16	Yes

Results			
Summary of Data Collected	**Use of Results**	**Follow-Up**	**Semester Assessed**
No Results reported.			

CLO: MA 221 - Calculus I: CLO 3

Apply the rules of differentiation for power, exponential, logarithmic, and trigonometric functions to solve application problems and distinguish between the sum, difference, product, quotient of two or more functions, and between a composite and implicit functions.

CLO Assessment Cycle: 2014-2015 (Spring 2015)

CLO Status: Active

Means of Assessment			
Means of Assessment	**Expected Student Performance**	**Notes**	**Active**
Apply the rules of differentiation for power, exponential, logarithmic, and trigonometric functions to solve application problems and distinguish between the sum, difference, product, quotient of two or more functions, and between a composite and implicit functions. **Signature assignment:** Midterm Exam	70% of the students assessed will perform at the proficiency level.	Spring semester 2015 one student enrolled but the student withdrew and so the course could not be assessed. 2/6/16	Yes
Apply the rules of differentiation for power, exponential, logarithmic, and trigonometric functions to solve application problems and distinguish between the sum, difference, product, quotient of two or more functions, and between a composite and implicit functions. **Signature assignment:** Final Exam	70% of the students assessed will perform at the proficiency level.	Spring semester 2015 one student enrolled but the student withdrew and so the course could not be assessed. 2/6/16	Yes

Results			
Summary of Data Collected	**Use of Results**	**Follow-Up**	**Semester Assessed**
No Results reported.			

CLO: MA 221 - Calculus I: CLO 4

Locate the critical numbers for a function and graph a function by hand after identifying the increasing/decreasing behavior, concavity, asymptotes and intercepts using the First Derivative Test and Concavity Test.

CLO Assessment Cycle: 2014-2015 (Spring 2015)

CLO Status: Active

Means of Assessment			
Means of Assessment	**Expected Student Performance**	**Notes**	**Active**
Locate the critical numbers for a function and graph a function by hand after identifying the increasing/decreasing behavior, concavity, asymptotes and intercepts using the First Derivative Test and Concavity Test. **Signature assignment:** Midterm Exam	70% of the students assessed will perform at the proficiency level.	Spring semester 2015 one student enrolled but the student withdrew and so the course could not be assessed. 2/6/16	Yes

Means of Assessment			
Means of Assessment	**Expected Student Performance**	**Notes**	**Active**
Locate the critical numbers for a function and graph a function by hand after identifying the increasing/decreasing behavior, concavity, asymptotes and intercepts using the First Derivative Test and Concavity Test. **Signature assignment:** Final Exam	70% of the students assessed will perform at the proficiency level.	Spring semester 2015 one student enrolled but the student withdrew and so the course could not be assessed. 2/6/16	Yes

Results			
Summary of Data Collected	**Use of Results**	**Follow-Up**	**Semester Assessed**
No Results reported.			

CLO: MA 221 - Calculus I: CLO 5

Interpret the practical meaning of the integral in appropriate applications, and evaluate definite integrals using the Fundamental Theorem of Calculus.

CLO Assessment Cycle: 2014-2015 (Spring 2015)

CLO Status: Active

Means of Assessment			
Means of Assessment	**Expected Student Performance**	**Notes**	**Active**
Interpret the practical meaning of the integral in appropriate applications, and evaluate definite integrals using the Fundamental Theorem of Calculus. **Signature assignment:** Midterm Exam	70% of the students assessed will perform at the proficiency level.	Spring semester 2015 one student enrolled but the student withdrew and so the course could not be assessed. 2/6/16	Yes
Interpret the practical meaning of the integral in appropriate applications, and evaluate definite integrals using the Fundamental Theorem of Calculus. **Signature assignment:** Final Exam	70% of the students assessed will perform at the proficiency level.	Spring semester 2015 one student enrolled but the student withdrew and so the course could not be assessed. 2/6/16	Yes

Results			
Summary of Data Collected	**Use of Results**	**Follow-Up**	**Semester Assessed**
No Results reported.			

CLO: MA 221 - Calculus I: CLO 6

Solve applications of integrations including areas, volume, and work application problems.

CLO Assessment Cycle: 2014-2015 (Spring 2015)

CLO Status: Active

Means of Assessment			
Means of Assessment	**Expected Student Performance**	**Notes**	**Active**
Solve applications of integrations including areas, volume, and work application problems. **Signature assignment:** Midterm Exam	70% of the students assessed will perform at the proficiency level.	Spring semester 2015 one student enrolled but the student withdrew and so the course could not be assessed. 2/6/16	Yes

Means of Assessment

Means of Assessment	Expected Student Performance	Notes	Active
Solve applications of integrations including areas, volume, and work application problems. **Signature assignment:** Final Exam	70% of the students assessed will perform at the proficiency level.	Spring semester 2015 one student enrolled but the student withdrew and so the course could not be assessed. 2/6/16	Yes

Results

Summary of Data Collected	Use of Results	Follow-Up	Semester Assessed
No Results reported.			