

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

Department (MA) - Mathematics Department

CLO: MA 211 - Mathematics for Elementary Teachers: CLO 1

Explain the problem solving process and implement various problem solving strategies to solve problems.

CLO Assessment Cycle: 2014-2015 (Spring 2015)

CLO Status: Active

Means of Assessment			
Means of Assessment	Expected Student Performance	Notes	Active
Explain the problem solving process and implement various problem solving strategies to solve problems. 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 - 05/22/2015 - Three students were evaluated. 67% of the students performed at the competent level. Expected Student Performance Met: No Related Documents: MA211MidtermSp2015.zip	08/17/2015 - Two students scored above 70%. Add more examples & reinforcement exercises.		2014 - 2015 (Spring 2015)
05/26/2014 - Two students were evaluated. 100% of the students performed at the competent level. Expected Student Performance Met: Yes Related Documents: MA 211MT SP14L5_3.pdf			2013 - 2014 (Spring 2014)

CLO: MA 211 - Mathematics for Elementary Teachers: CLO 2

Describe basic number concepts, number relationships, and number sense.

CLO Assessment Cycle: 2014-2015 (Spring 2015)

CLO Status: Active

Means of Assessment			
Means of Assessment	Expected Student Performance	Notes	Active

Means of Assessment			
Means of Assessment	Expected Student Performance	Notes	Active
Describe basic number concepts, number relationships, and number sense. 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 - 05/22/2015 - Three students were evaluated. 100% of the students performed at the competent level. Expected Student Performance Met: Yes Related Documents: MA211MidtermSp2015.zip	08/17/2015 - All students scored above 70%. No significant change compared to previous semester.		2014 - 2015 (Spring 2015)
05/26/2014 - Two students were evaluated. 100% of the students performed at the competent level. Expected Student Performance Met: Yes Related Documents: MA 211MT SP14L5_3.pdf			2013 - 2014 (Spring 2014)

CLO: MA 211 - Mathematics for Elementary Teachers: CLO 3

Explain the structures for the basic operations (addition, subtraction, multiplication, and division).

CLO Assessment Cycle: 2014-2015 (Spring 2015)

CLO Status: Active

Means of Assessment			
Means of Assessment	Expected Student Performance	Notes	Active
Explain the structures for basic operations (addition, subtraction, multiplication and division). 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 - 05/22/2015 - Three students were evaluated. 67% of the students performed at the competent level. Expected Student Performance Met: No Related Documents: MA211MidtermSp2015.zip	08/17/2015 - Two students scored above 70%. Models not described well by students – need to provide more detailed examples.		2014 - 2015 (Spring 2015)
05/26/2014 - CLO3-Two students were evaluated. 50% of the students performed at the competent level. Expected Student Performance Met:			2013 - 2014 (Spring 2014)

Results			
Summary of Data Collected	Use of Results	Follow-Up	Semester Assessed
No			
Related Documents: MA 211MT SP14L1.pdf			

CLO: MA 211 - Mathematics for Elementary Teachers: CLO 4

Explain the concepts of whole numbers and algorithms for basic operations using these numbers.

CLO Assessment Cycle: 2014-2015 (Spring 2015)

CLO Status: Active

Means of Assessment			
Means of Assessment	Expected Student Performance	Notes	Active
Explain the concepts of whole numbers and algorithms for basic operations using these numbers. 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 - 05/22/2015 - Three students were evaluated. 100% of the students performed at the competent level. Expected Student Performance Met: Yes Related Documents: MA211MidtermSp2015.zip	08/17/2015 - All students scored above 70%. No significant change compared to previous semester.		2014 - 2015 (Spring 2015)
05/26/2014 - CLO3-Two students were evaluated. 50% of the students performed at the competent level. Sample is Level 3. Expected Student Performance Met: No Related Documents: MA 211MT SP14L5_3.pdf			2013 - 2014 (Spring 2014)

CLO: MA 211 - Mathematics for Elementary Teachers: CLO 5

Explain the concept of fractions using various models and demonstrate the different computational algorithms for fractions and their limitations.

CLO Assessment Cycle: 2014-2015 (Spring 2015)

CLO Status: Active

Means of Assessment			
Means of Assessment	Expected Student Performance	Notes	Active

Means of Assessment			
Means of Assessment	Expected Student Performance	Notes	Active
Explain the concept of fractions using various models and demonstrate the different computational algorithms for fractions and their limitations. 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 - 05/22/2015 - Three students were evaluated. 67% of the students performed at the competent level. Expected Student Performance Met: No Related Documents: MA211MidtermSp2015.zip	08/17/2015 - Two students scored above 70%. Students not reading/reviewing the concepts well. Concepts review and quiz will be given.		2014 - 2015 (Spring 2015)
05/26/2014 - Two students were evaluated. None of the students performed at the competent level. Sample is Level 1. Expected Student Performance Met: No Related Documents: MA 211MT SPI4L1.pdf			2013 - 2014 (Spring 2014)

CLO: MA 211 - Mathematics for Elementary Teachers: CLO 6

Explain the relationship between decimal and percents and solve problems with decimal and percents.

CLO Assessment Cycle: 2014-2015 (Spring 2015)

CLO Status: Active

Means of Assessment			
Means of Assessment	Expected Student Performance	Notes	Active
Explain the relationship between decimal and percents and solve problems with decimal and percents. 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 - 05/22/2015 - Three students were evaluated. 67% of the students performed at the competent level. Expected Student Performance Met: No Related Documents: MA211FinalSp2015.zip	08/17/2015 - Two students scored above 70%. Students not reading/reviewing the concepts well. Concepts review and quiz will be given.		2014 - 2015 (Spring 2015)
05/26/2014 - Two students were evaluated. 50% of the students performed at the competent level. Sample is level 3.			2013 - 2014 (Spring 2014)

Results			
Summary of Data Collected	Use of Results	Follow-Up	Semester Assessed
Expected Student Performance Met: No Related Documents: MA 211FL SP14L3.pdf			

CLO: MA 211 - Mathematics for Elementary Teachers: CLO 7

Explain ratio and proportion and solve problems with proportion.

CLO Assessment Cycle: 2014-2015 (Spring 2015)

CLO Status: Active

Means of Assessment			
Means of Assessment	Expected Student Performance	Notes	Active
Explain ratio and proportion and solve problems with proportion. 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 - 05/22/2015 - Three students were evaluated. 33% of the students performed at the competent level. Expected Student Performance Met: No Related Documents: MA211FinalSp2015.zip	08/17/2015 - One student scored above 70%. More detailed review of ratio concept, modeling, & computation. Students mixed computation/modeling.		2014 - 2015 (Spring 2015)
05/26/2014 - Two students were evaluated. 50% of the students performed at the competent level. Sample is level 4 for CLO 7. Expected Student Performance Met: No Related Documents: MA 211FL SP14L1_4.pdf			2013 - 2014 (Spring 2014)

CLO: MA 211 - Mathematics for Elementary Teachers: CLO 8

Explain and demonstrate the process of measuring and solve problems involving measurement.

CLO Assessment Cycle: 2014-2015 (Spring 2015)

CLO Status: Active

Means of Assessment			
Means of Assessment	Expected Student Performance	Notes	Active

Means of Assessment			
Means of Assessment	Expected Student Performance	Notes	Active
Explain and demonstrate the process of measuring and solve problems involving measurement. 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 - 05/22/2015 - Three students were evaluated. 100% of the students performed at the competent level. Expected Student Performance Met: Yes Related Documents: MA211FinalSp2015.zip	08/17/2015 - All students scored above 70%. No significant change compared to previous semester.		2014 - 2015 (Spring 2015)
05/26/2014 - Two students were evaluated. 50% of the students performed at the competent level. Sample is level 3. Expected Student Performance Met: No Related Documents: MA 211FL SP14L3.pdf			2013 - 2014 (Spring 2014)

CLO: MA 211 - Mathematics for Elementary Teachers: CLO 9

Describe properties of geometric shapes and construct various geometric shapes.

CLO Assessment Cycle: 2014-2015 (Spring 2015)

CLO Status: Active

Means of Assessment			
Means of Assessment	Expected Student Performance	Notes	Active
Describe properties of geometric shapes and construct various geometric shapes. 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 - 05/22/2015 - Three students were evaluated. 100% of the students performed at the competent level. Expected Student Performance Met: Yes Related Documents: MA211FinalSp2015.zip	08/17/2015 - All students scored above 70%. No significant change compared to previous semester.		2014 - 2015 (Spring 2015)
05/26/2014 - Two students were evaluated. 50% of the students performed at the competent level. Sample is level 5 for this CLO. Expected Student Performance Met:			2013 - 2014 (Spring 2014)

Results			
Summary of Data Collected	Use of Results	Follow-Up	Semester Assessed
Yes			
Related Documents: MA 211FL SP14L3.pdf			

CLO: MA 211 - Mathematics for Elementary Teachers: CLO 10

Explain and demonstrate the concepts of data analysis and probability.

CLO Assessment Cycle: 2014-2015 (Spring 2015)

CLO Status: Active

Means of Assessment			
Means of Assessment	Expected Student Performance	Notes	Active
Explain and demonstrate the concepts of data analysis and probability. 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 - 05/22/2015 - Three students were evaluated. 33% of the students performed at the competent level. Expected Student Performance Met: No Related Documents: MA211FinalSp2015.zip	08/17/2015 - One student scored above 70%. More explicit review of type of graphs and what each type is used for either discrete or continuous data.		2014 - 2015 (Spring 2015)
05/26/2014 - Two students were evaluated. None of the students performed at the competent level. Expected Student Performance Met: No Related Documents: MA 211FL SP14L1_4.pdf			2013 - 2014 (Spring 2014)