



Course Assessment Report - 4 Column

Great Basin College

Courses (MATH) - Math

Course Outcomes 1 and ctu.unitid = 653	Means of Assessment & Criteria / Tasks	Results	Action & Follow-Up
<p>MATH 097 - Elem & Intermediate Algeb - Solve linear equations and inequalities, identifying trivial solutions - Solve linear equations and inequalities, identifying trivial solutions.</p> <p>1-1 Solving linear equations. 1-2 Solving linear inequalities. 1-3 Identifying trivial solutions 1-4 Solving linear equations containing fractions.</p> <p>Next Assessment: 2018-2019</p> <p>Start Date: 08/10/2015</p> <p>Course Outcome Status: Active</p>	<p>Assessment Measure: Exam Ch 2</p> <p>Assessment Measure Category: Exam</p> <p>Criterion: 75% of the students achieve 100 % on this problem</p>	<p>08/10/2015 - Overall achievement was 77.6%</p> <p>Criterion Met: Yes</p> <p>Reporting Period: 2014-2015</p>	<p>08/10/2015 - Although the overall result was satisfactory, there was an identified weakness in solving equations containing fractions.</p> <ol style="list-style-type: none"> 1. Review basic concepts on fractions 2. Limiting the use of scientific calculators for computing operations on fractions. 3. More class examples and class discussion will be added on this portion.
<p>MATH 097 - Elem & Intermediate Algeb - Solving linear equations and use formula. - Solving linear equations and use formula.</p> <p>Next Assessment: 2018-2019</p> <p>Start Date: 08/10/2015</p> <p>Course Outcome Status: Active</p>	<p>Assessment Measure: Exam Ch 2</p> <p>Assessment Measure Category: Exam</p> <p>Criterion: 75% of the students achieve 100 % on this problem</p>	<p>08/10/2015 - Overall achievement was 81.8%.</p> <p>Criterion Met: Yes</p> <p>Reporting Period: 2014-2015</p>	
<p>MATH 097 - Elem & Intermediate Algeb - Graph linear equations and inequalities. - Graph linear equations and inequalities.</p> <p>10-1 Graphing linear equations. 10-1-1 identifying intercepts. 10-1-2 Identifying and graphing vertical and horizontal lines. 10-1-3 Finding slope of a line. 10-1-4 Finding slopes of horizontal and vertical lines.</p> <p>Next Assessment: 2018-2019</p> <p>Start Date: 08/10/2015</p> <p>Course Outcome Status: Active</p>	<p>Assessment Measure: Exam Ch 3</p> <p>Assessment Measure Category: Exam</p> <p>Criterion: 75% of the students achieve 100 % on this problem</p>	<p>08/10/2015 - The overall achievement was 77.4%.</p> <p>Criterion Met: Yes</p> <p>Reporting Period: 2014-2015</p>	
<p>MATH 097 - Elem & Intermediate Algeb - Make applications of course material. - Make applications of course material.</p> <p>Next Assessment: 2018-2019</p>	<p>Assessment Measure: Exam Ch. 2</p> <p>Assessment Measure Category: Exam</p> <p>Criterion:</p>	<p>08/10/2015 - The overall achievement was 58.6% respectively.</p> <p>Criterion Met: No</p> <p>Reporting Period:</p>	<p>08/10/2015 - The low achievement on the outcome #11 is consistent with the outcome #1-1.</p> <ol style="list-style-type: none"> 1. Develop ways on how to do better on

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Start Date: 08/10/2015 Course Outcome Status: Active	75% of the students achieve 100 % on this problem	2014-2015	applied problems. 2. Actions plans in the learning outcome #1 will be employed here. 3. More class examples and class discussion will be added on operations of rational expressions and solving rational equations.
MATH 097 - Elem & Intermediate Algeb - Algebraic techniques - Set up and solve a variety of applied problems using algebraic techniques. Next Assessment: 2020-2021 Start Date: 07/01/2015 Course Outcome Status: Active	Assessment Measure: Exam Ch 2 Assessment Measure Category: Exam Criterion: 75% of the students achieve 100 % on this problem	09/30/2015 - The overall achievement for outcome #5 was 85.7 % and for outcome #11 was 58.6% respectively. Criterion Met: Yes Reporting Period: 2014-2015	
MATH 097 - Elem & Intermediate Algeb - Function notation - Be familiar with function notation. Next Assessment: 2020-2021 Start Date: 07/01/2015 Course Outcome Status: Active	Assessment Measure: Exam Ch 3 Assessment Measure Category: Exam Criterion: 75% of the students achieve 100 % on this problem	09/30/2015 - The overall achievement was 85.7%. Criterion Met: Yes Reporting Period: 2014-2015	
MATH 097 - Elem & Intermediate Algeb - Solve systems of linear equations and systems of linear inequalities - Solve systems of linear equations and systems of linear inequalities. Next Assessment: 2020-2021 Start Date: 07/01/2015 Course Outcome Status: Active	Assessment Measure: Exam Ch 4 Assessment Measure Category: Exam/Quiz - Standardized Criterion: 75% of the students achieve 100 % on this problem	09/30/2015 - The overall achievement was 81.3%. Criterion Met: Yes Reporting Period: 2014-2015	
MATH 097 - Elem & Intermediate Algeb - Operations on and factor polynomials - Perform operations on and factor polynomials. Next Assessment: 2020-2021 Start Date: 07/01/2015 Course Outcome Status: Active	Assessment Measure: Exam Ch 5 Assessment Measure Category: Exam Criterion: 75% of the students achieve 100 % on this problem	09/30/2015 - The overall achievement was 84.8%. Criterion Met: Yes Reporting Period: 2014-2015	
MATH 097 - Elem & Intermediate Algeb - Add, subtract, multiply, divide, simplify, and factor	Assessment Measure: Exam Ch 6	09/30/2015 - overall achievement was 80.9 %	

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<p>polynomials - Add, subtract, multiply, divide, simplify, and factor polynomials</p> <p>Next Assessment: 2020-2021</p> <p>Start Date: 07/01/2015</p> <p>Course Outcome Status: Active</p>	<p>Assessment Measure Category: Exam</p> <p>Criterion: 75% of the students achieve 100 % on this problem</p>	<p>Criterion Met: Yes</p> <p>Reporting Period: 2014-2015</p>	
<p>MATH 097 - Elem & Intermediate Algeb - Solve equations by factoring - Solve equations by factoring</p> <p>Next Assessment: 2020-2021</p> <p>Start Date: 07/01/2015</p> <p>Course Outcome Status: Active</p>	<p>Assessment Measure: Exam Ch 6</p> <p>Assessment Measure Category: Exam</p> <p>Criterion: 75% of the students achieve 100 % on this problem</p>	<p>09/30/2015 - The overall achievement was 73.7%. Solving quadratic equations by factoring portion has the achievement of 78.9%. On the other hand, the application portion had only 66.7% achievement.</p> <p>Criterion Met: No</p> <p>Reporting Period: 2014-2015</p>	<p>09/30/2015 - More exmples on application problems regarding solving quadratic equations need to be discussed.</p> <hr/>
<p>MATH 097 - Elem & Intermediate Algeb - Operations on and reduce rational functions - Perform operations on and reduce rational functions (addition, subtraction, multiplication, division)</p> <p>Next Assessment: 2020-2021</p> <p>Start Date: 07/01/2015</p> <p>Course Outcome Status: Active</p>	<p>Assessment Measure: Exam Ch 7</p> <p>Assessment Measure Category: Exam</p> <p>Criterion: 75% of the students achieve 100 % on this problem</p>	<p>09/30/2015 - 58.6 %</p> <p>Criterion Met: No</p> <p>Reporting Period: 2014-2015</p>	<p>09/30/2015 - It is consistent with the problem identified in the learning outcome #1, the weakness in solving equations with fractions.</p> <ol style="list-style-type: none"> 1. Review on operations of fractions. 2. More time and effort will be needed on this portion of material. <hr/>
<p>MATH 097 - Elem & Intermediate Algeb - Simplify complex fractions - Simplify complex fractions</p> <p>Next Assessment: 2020-2021</p> <p>Start Date: 07/01/2015</p> <p>Course Outcome Status: Active</p>	<p>Assessment Measure: Exam Ch 7</p> <p>Assessment Measure Category: Exam</p> <p>Criterion: 75% of the students achieve 100 % on this problem</p>	<p>09/30/2015 - Overall achievement 54.4 %</p> <p>Criterion Met: No</p> <p>Reporting Period: 2014-2015</p>	<p>09/30/2015 - It is a consistent problem with the learning outcome #1.</p> <ol style="list-style-type: none"> 1. Action plans discussed in the learnout come #1, 2. More examples need to be discussed. <hr/> <p>09/30/2015 - I categorized some learning objectives in further sub-categories for the purpose of detailed analysis. This will assist me in creating more effective action plans. The major areas of the identified weakness were the following; understanding and handling concepts of fractions in solving equations, fractions in applied problems, solving equations by factoring, performing operations and reducing rational functions, and simplifying complex fractions. Students</p>

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			<p>showed a significant weakness in dealing with rational expressions and solving the equations. The most basic form of rational expressions is fractions. Because of the lack of understanding of the nature of fractions, the resulting impact was significant. My action plan is to strengthen students' understanding of the concepts of basic functions and the characteristics of fractions. My plan also includes for students to comprehend how to study college mathematics. The following points will assist in improving the weaknesses.</p> <ol style="list-style-type: none"> 1. Guide students with tips on how to study math. Explain to them how the concepts they learned from Math 91 or 95 were used in the subsequent classes. 2. Reviewing fractions before the relevant section. In order to expand mathematical concepts, a thorough understanding of the basic concept is crucial. Limiting the use of scientific calculators for computing operations with fractions will be planned. 3. Demonstration of balancing equations and fractions utilizing manipulatives; a balance, blocks, and so on in the classroom. 4. Developing fraction friendly materials to explain the basic concepts. 5. Revising time schedule on the next syllabus to include the above material.