



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 096 OWENS ONLINE - Intermediate Algebra - Solve quadratic equations - Solve quadratic equations by applying the square root property, completing the square, or using the quadratic formula .</p> <p>Next Assessment: 2018-2019</p> <p>Start Date: 08/11/2015</p> <p>Course Outcome Status: Active</p>	<p>Assessment Measure: Final Exam #20, 21, 24</p> <p>Assessment Measure Category: Exam</p> <p>Criterion: 70% of students score 70% or higher</p>	<p>08/11/2015 - #20 57% solved problem correctly #21 61% solved problem correctly #24 50% solved problem correctly</p> <p>Criterion Met: No</p> <p>Reporting Period: 2014-2015</p>	<p>08/11/2015 - I do not think this deterioration in skills is limited to just quadratic equations. In general, I need to have MORE contact with students about content in the online environment throughout the semester.</p>
<p>MATH 096 OWENS ONLINE - Intermediate Algebra - Simplify complex numbers - Simplify complex numbers.</p> <p>Next Assessment: 2018-2019</p> <p>Start Date: 08/11/2015</p> <p>Course Outcome Status: Active</p>	<p>Assessment Measure: Final Exam #20, 24</p> <p>Assessment Measure Category: Exam</p> <p>Criterion: 70% of students score 70% or higher</p>	<p>08/11/2015 - #20 46% solved problem correctly #24 28% solved problem correctly</p> <p>Criterion Met: No</p> <p>Reporting Period: 2014-2015</p>	<p>08/11/2015 - I do not think this deterioration in skills is limited to just quadratic equations. In general, I need to have MORE contact with students about content in the online environment throughout the semester.</p>
<p>MATH 096 OWENS ONLINE - Intermediate Algebra - Use the discriminant to determine the number and type of solutions - Use the discriminant to determine the number and type of solutions.</p> <p>Next Assessment: 2018-2019</p> <p>Start Date: 08/11/2015</p> <p>Course Outcome Status: Active</p>	<p>Assessment Measure: Final Exam #21</p> <p>Assessment Measure Category: Exam</p> <p>Criterion: 70% of students score 70% or higher</p>	<p>08/11/2015 - 70% solved problem correctly</p> <p>Criterion Met: Yes</p> <p>Reporting Period: 2014-2015</p>	
<p>MATH 096 OWENS ONLINE - Intermediate Algebra - Solve quadratic-like equations - Solve quadratic-like equations</p> <p>Next Assessment: 2018-2019</p> <p>Start Date: 08/11/2015</p> <p>Course Outcome Status: Active</p>	<p>Assessment Measure: Final Exam #23</p> <p>Assessment Measure Category: Exam</p> <p>Criterion: 70% of students score 70% or higher</p>	<p>08/11/2015 - 39% solved problem correctly</p> <p>Criterion Met: No</p> <p>Reporting Period: 2014-2015</p>	<p>08/11/2015 - I do not think this deterioration in skills is limited to just quadratic equations. In general, I need to have MORE contact with students about content in the online environment throughout the semester.</p>
<p>MATH 096 OWENS ONLINE - Intermediate Algebra - Graph linear and nonlinear functions - Graph linear and nonlinear functions.</p>	<p>Assessment Measure: Final Exam #3</p>	<p>08/11/2015 - 78% solved problem correctly</p> <p>Criterion Met:</p>	

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<p>Next Assessment: 2018-2019</p> <p>Start Date: 08/11/2015</p> <p>Course Outcome Status: Active</p>	<p>Assessment Measure Category: Exam</p> <p>Criterion: 70% of students score 70% or higher</p>	<p>Yes</p> <p>Reporting Period: 2014-2015</p>	<p>11/12/2015 - This course is part of a pilot project that offers developmental students weekly mentoring and 24/7 tutoring support. In order to compare this course with last semester's online MATH 96, I have attempted to compare the same learning outcomes that were common to fall semester's last test. There were differences between last semester and this semester—a new homework management system and some different wording for some of the learning outcomes as well as the additional support for students.</p> <p>Overall, students did much worse on these outcomes than students in the previous semester, when students did not have the benefit of 24/7 tutoring and weekly mentor contacts. I used the same lectures that I recorded for last semester's class, so that aspect of the course did not change. I did change homework management systems, and I believe some of the decrease in the mastery of skills can be attributed to that. ALEKS, last semester's homework management system, is much better designed for student learning than our current system (MyMathLab). This is my first semester working with New Start—the organization providing the mentoring and tutoring. Perhaps some of the decline can be attributed to that fact.</p> <p>COURSE AVERAGE: 71.6% COURSE SUCCESS RATE: 70% (Success = earned grade of C or higher)</p> <p>I am disappointed in the results from this semester. It's difficult to base the efficacy of the New Start program on this data alone. With the student evaluations, I will be more able to determine if students felt they had gained some better study skills or felt they had a better math experience in general. I'll also be able to determine if students took advantage of the free tutoring. Currently, I am doubting the efficacy of the program, but I will</p>

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			<p>continue with this pilot project for one more semester. Perhaps the things I have learned this semester will help me improve the student outcomes for next semester.</p> <hr/>