

Assessment: Course Four Column

Courses (MATH) - Math

MATH 097:Elem & Intermediate Algeb

<i>Course Outcomes</i>	<i>Assessment Measures</i>	<i>Results</i>	<i>Actions</i>
<p>Algebraic techniques - Set up and solve a variety of applied problems using algebraic techniques. Course Outcome Status: Active Next Assessment: 2022-2023</p>	<p>Exam - Exam Ch. 2 Criterion: Average assignment score 70 % or higher.</p>	<p>Reporting Period: 2017-2018 Criterion Met: Yes The average score was 75.4% (01/15/2019)</p>	
<p>Graph and solve linear equations and inequalities - Graph and solve linear equations and inequalities. Course Outcome Status: Active Next Assessment: 2022-2023</p>	<p>Exam - Exam Ch. 4 & 9 Criterion: Average assignment score 70 % or higher.</p>	<p>Reporting Period: 2017-2018 Criterion Met: No The average scores on Exam Ch. 4 and Ch. 9 were 70.9% and 67.6% respectively (01/15/2019)</p>	<p>Action: The identified weakness was found in solving compound inequalities containing “and” and also in solving a system of linear inequalities.</p> <ol style="list-style-type: none"> More homework assignments on Ch.9 assignment portion will be added. Utilizing the zoom software, I plan to produce more videos explaining the relevant examples (01/15/2019)
<p>Add, subtract, multiply, divide, simplify, and factor polynomials - Add, subtract, multiply, divide, simplify, and factor polynomials Course Outcome Status: Active Next Assessment: 2020-2021 Start Date: 07/01/2015</p>	<p>Exam - Exam Ch. 5 & 6 Criterion: Average assignment score 70 % or higher.</p>	<p>Reporting Period: 2017-2018 Criterion Met: Yes The average scores on Exam Ch. 5 and Ch. 6 were 85.3% and 71.6% respectively. (01/15/2019)</p>	
<p>Graph and solve quadratic equations</p>	<p>Assignment - Written - Problem #38,</p>	<p>Reporting Period: 2017-2018</p>	

<i>Course Outcomes</i>	<i>Assessment Measures</i>	<i>Results</i>	<i>Actions</i>
<p>by various methods including the quadratic formula - Graph and solve quadratic equations by various methods including the quadratic formula.</p> <p>Course Outcome Status: Active Next Assessment: 2022-2023</p>	<p>39 and 40 on the Final Exam Criterion: 70% of the students achieve 100 % on these problems</p>	<p>Criterion Met: Yes The overall achievement was 71.9%. (01/15/2019)</p>	
<p>Solve a variety of equations and inequalities - Solve a variety of equations and inequalities including those involving absolute value, linear, quadratic, rational, and radical expressions.</p> <p>Course Outcome Status: Active Next Assessment: 2022-2023</p>	<p>Exam - Exam Ch. 7 & 10 Criterion: Average assignment score 70 % or higher.</p>	<p>Reporting Period: 2017-2018 Criterion Met: No The average scores on Exam Ch. 7 and Ch. 10 were 64.0% and 70% respectively. (01/15/2019)</p>	<p>Action: The identified weakness was found to be in understanding the radical expressions and solving questions containing radical expressions. Also students did not perform well on simplifying rational expressions.</p> <ol style="list-style-type: none"> I am going to emphasize the importance of radical expressions through the online announcements. I will produce additional videos for students to better understand these topics. (01/15/2019)
<p>Graph equations and inequalities as well as systems of equations and inequalities - Graph equations and inequalities as well as systems of equations and inequalities.</p> <p>Course Outcome Status: Active Next Assessment: 2022-2023</p>	<p>Exam - Exam Ch. 4 Criterion: Average assignment score 70 % or higher.</p>	<p>Reporting Period: 2017-2018 Criterion Met: Yes The average score on Exam Ch. 4 was 75.4% (01/15/2019)</p>	
<p>Equation of a line when given prescribed conditions - Find the equation of a line when given prescribed conditions.</p> <p>Course Outcome Status: Active Next Assessment: 2022-2023</p>	<p>Evaluation - Exam Ch. 3 Criterion: Average assignment score 70 % or higher.</p>	<p>Reporting Period: 2017-2018 Criterion Met: Yes The average score on Exam Ch. 3 was 79.3% (01/15/2019)</p>	
<p>Solve problems involving direct, inverse, or joint variation - Solve</p>	<p>Exam - Exam Ch. 8 Criterion: Average assignment score</p>	<p>Reporting Period: 2017-2018 Criterion Met: Yes</p>	

Course Outcomes	Assessment Measures	Results	Actions
problems involving direct, inverse, or joint variation Course Outcome Status: Active Next Assessment: 2022-2023	70 % or higher.	The average score on Exam Ch. 8 was 79.1% (01/15/2019)	
Solve a variety of real-world problems - Solve a variety of real-world problems. Course Outcome Status: Active Next Assessment: 2022-2023	Exam - Final exam #4, 12, 19 Exam Ch. 2: 20, 21, 22, 23, 24 Exam Ch. 6: 21, 22, 23 Exam Ch. 8: 15, 16, 17, 18 Exam Ch. 10: 22, 23 Criterion: 70% of the students achieve 100 % on these problems	Reporting Period: 2017-2018 Criterion Met: Yes Overall achievement was 77.2% (01/15/2019)	Action: The result of students' performance in the learning objective met the criteria. I would still like to produce more videos regarding real-world problems and distribute to students. (01/15/2019) Follow-Up: In the Math 97 online course this semester, I realized that the communication between the instructor and students is a crucial factor for students' academic success. This semester, the main channels of communication between us were through the webcampus announcements and email. They have been effective ways of communicating and I will maintain these interactive channels in future semesters. I will also email through the People Soft application even before the first day of the semester in order to communicate with students. Students can prepare class materials such as purchasing a textbook, obtaining a My Math Lab license before the class starts if I let them know the class information ahead of time. Overall, the class did well. Identified weaknesses on Math 97-online class were in the following three chapters. Chapters Weaknesses

Course Outcomes	Assessment Measures	Results	Actions
			<p>Chapter 7 Find the domain of a rational expression. Simplify or write rational expressions in lowest terms. Add and subtract rational expressions with unlike denominators. Solve equations containing rational expressions.</p> <p>Chapter 9 Solve compound inequalities containing "and." Graph a linear inequality in two variables.</p> <p>Chapter 10 Understand the meaning of $a^{(-m/n)}$. Add or subtract radical expressions. Rationalize denominators having one term. Solve equations that contain radical expressions.</p>
			<p>The instructor followed the GBC basic guidelines for online courses thoroughly such as making students' current grades available and better communication between the instructor and students. The instructor was clear about expectations for the class throughout the semester. Overall, the class went well. However, the course assessment identified students' weaknesses in the three chapters. The instructor discovered a new software called Zoom for online communications with students. One of the action plans will be producing more videos utilizing the zoom</p>

<i>Course Outcomes</i>	<i>Assessment Measures</i>	<i>Results</i>	<i>Actions</i>
------------------------	----------------------------	----------------	----------------

software for problems students have difficulty in on each quiz assignment. Also, assigning more homework problems on the identified topics. (01/15/2019)