

GBC Class/Course Assessment Report

MATH 20 Support course for Math 120E

Section Number(s): 1002

Instructor: Jinho Jung

Number of Students in the class: 14 -15

Academic Year: 2021-2022

Semester: Spring 2022

Course and general education outcomes are counted as achieved if 62% or more of students answered the problems associated with the outcome correctly. As needed, please attach supporting documents and/or a narrative description of the assessment activities. All the learning outcomes must be completed otherwise the assessment is considered as incomplete.

Class/Course Outcomes	Assessment Measures	Course Outcome Assessment Results	Outcome Results
In the boxes below, summarize the outcomes assessed in your class or course during the last year. If this is a GenEd class, include the appropriate GenEd objectives.	In the boxes below, list the proctored assignments and which problems on those assignments you used to assess each outcome.	In the boxes below, give the percentage of students who answered the problems correctly and indicate if the course outcome was achieved.	In the boxes below, please reflect on this outcome's results and summarize how you plan to use the results to improve student learning
Outcome #1: Correctly execute arithmetic operations using rational and real numbers. .	Proctored assignment: Final Exam Problem numbers: 8.3.3 8.3.11 10.2.23	Results: Average percentage: 59.5 % Criterion Met: No	1. Results Analysis: the learning outcome #1 did not met the success criteria. 2. Action Plan: For arithmetic operations and rational and real numbers, it would be efficient to have real world examples in class activity.
Outcome #2: Evaluate and simplify expressions involving exponents.	Proctored assignment: Final Exam Problem numbers: 3.2.5 3.2.21 3.2.59	Results: Average percentage: 66.7% Criterion Met: Yes	1. Results Analysis: . 2. Action Plan:

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<p>Outcome #3: Simplify Algebraic expressions.</p>	<p>Proctored assignment: Final Exam</p> <p>Problem numbers: 12.2.3 12.2.18</p>	<p>Results: Average percentage: 76.7%</p> <p>Criterion Met: Yes</p>	<p>1. Results Analysis:</p> <p>2. Action Plan:</p>
<p>Outcome #4: Solve linear equations in one variable.</p>	<p>Proctored assignment: Final Exam</p> <p>Problem numbers: 9.1.9 9.1.21 9.2.11 9.3.49</p>	<p>Results: Average percentage: 76.8%</p> <p>Criterion Met: Yes</p>	<p>1. Results Analysis:</p> <p>2. Action Plan:</p>
<p>Outcome #5: Solve rational equations</p>	<p>Proctored assignment: Final Exam</p> <p>Problem numbers: 10.6.37 10.2.23</p>	<p>Results: Average percentage: 85.7%</p> <p>Criterion Met: Yes</p>	<p>1. Results Analysis:</p> <p>2. Action Plan:</p>
<p>Outcome #6 Implement effective study skills to succeed in college level mathematics courses.</p>	<p>Proctored assignment: Assignments in study skills were used to the learning outcome #6.</p> <p>Problem numbers: There were 13 study skills assignments.</p>	<p>Results: Average percentage: For all the study skills assignments, the average of the assignments was 96.7%</p> <p>Criterion Met: Yes</p>	<p>1. Results Analysis:</p> <p>2. Action Plan:</p>

Notes:

For the most course learning outcomes, students performed well by achieving the success criteria except for the first learning outcome. Only the first learning outcome, “Correctly execute arithmetic operations using rational and real numbers” didn’t meet the success criteria. For arithmetic operations and

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rational number operations, having a hands on class activity will improve their performance. I will encourage students to reach out to the instructor if any student has difficulty in the basic math concepts such as arithmetic operations and rational numbers. Besides utilizing the instructor's office hours, encouraging them to use the online tutoring is another way to improve student's performance.

I have reviewed this report:

Department Chair

Date_____

Dean

Date_____

Vice President of Academic Affairs and Student Services

Date_____