

GBC Class/Course Assessment Report

MATH 120 Fundamentals of College Mathematics

Section Number(s): 1008

Instructor: Jinho Jung

Number of Students: 20

Academic Year: 2021-2022

Semester: Fall 21

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 assessed otherwise the assessment is considered as incomplete.

General Education Objectives	Class/Course Outcomes	Assessment Measures	Course Outcome Assessment Results	General Education Outcome Assessment Results	Outcome Results Analysis
	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, give the average of the percentages of students who met course learning outcomes and indicate if the general education 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.
Demonstrate knowledge Of mathematical notation and concepts	Outcome #1: Solve problems using the basic rules of probability.	Proctored assignment: Final Exam Problem numbers: 11.4.11 11.4.57 11.6.13 11.7.13 11.7.55	Results: 58.6% answered correctly Criterion Met: No	Average percentage: 55.8% Criterion Met: No	1. Results Analysis: Students did not perform well in the topics of probability and set theory. 2. Action Plan: I am planning address more problems related to these topics in class.

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	<p>Outcome #2:</p> <p>Solve problems using basic set theory.</p>	<p>Proctored assignment: Midterm exam</p> <p>Problem numbers: 2.3.25 2.3.135 2.4.55 2.5.27 2.5.34</p>	<p>Results:</p> <p>On average 52.9% answered correctly.</p> <p>Criterion Met: No</p>		
<p>Apply mathematical concepts and operations in proper written or graphical format</p>	<p>Outcome #3:</p> <p>Follow appropriate mathematical format and use proper mathematical notation in solving problems.</p>	<p>Proctored assignment: Final Exam</p> <p>Problem numbers: 10.2.23 9.3.49 10.4.23</p>	<p>Results:</p> <p>On average, 62 % answered correctly</p> <p>Criterion Met: Yes</p>	<p>Average percentage: 62%</p> <p>Criterion Met: Yes</p>	<p>1. Results Analysis:</p> <p>2. Action Plan:</p>
	<p>Outcome #4:</p> <p>Use mathematical formulas to evaluate problems involving financial data.</p>	<p>Proctored assignment: Midterm exam</p> <p>Problem numbers: 8.3.3 8.3.11 8.5.39</p>	<p>Results:</p> <p>On average, 68.6% answered correctly.</p> <p>Criterion Met: Yes</p>	<p>Average percentage: 65.0%</p> <p>Criterion Met: Yes</p>	<p>1. Results Analysis: Students had difficulty in the course learning outcome #8, the use of trigonometry involving right triangles.</p>

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<p>Apply relevant mathematical skills in solving real-world problems</p>	<p>Outcome #5: Solve problems using dimensional analysis</p>	<p>Proctored assignment: Final Exam Problem numbers: 9.1.9 9.1.23 9.2.11 9.3.49</p>	<p>Results: On average 78.6% answered correctly Criterion Met: Yes</p>		<p>2. Action Plan: I am planning to encourage student to attend the extra tutoring session every Saturday.</p>
	<p>Outcome #6: Identify and analyze statistical data.</p>	<p>Proctored assignment: Final Exam Problem numbers: 12.2.3 12.2.18 12.4.37 12.3.23</p>	<p>Results: On average 73.2% answered correctly Criterion Met: Yes</p>		
<p>Continued: Apply relevant mathematical skills in solving real-world problems</p>	<p>Outcome #7: Use formal and symbolic logic to analyze arguments and draw valid conclusions.</p>	<p>Proctored assignment: Midterm exam Problem numbers: 3.7.23 3.7.11 3.5.15 3.2.7</p>	<p>Results: On average 64.7 % answered correctly. Criterion Met: Yes</p>		
	<p>Outcome #8: Use trigonometry to solve problems involving right triangles.</p>	<p>Proctored assignment: Final Exam Problem numbers: 10.6.37 10.2.23</p>	<p>Results: On average 57.1% answered correctly Criterion Met: No</p>		

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	<p>Outcome #9: Calculate perimeter, area, surface area, and volume of various geometric objects.</p>	<p>Proctored assignment: Final Exam</p> <p>Problem numbers: 10.4.13 10.4.23 10.5.9</p>	<p>Results: On average 47.6% answered correctly.</p> <p>Criterion Met: No</p>		
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Notes: The four course learning outcomes and one of the general education learning outcomes were not met the satisfactory achievement. I am planning to encourage students to attend the extra help sessions via zoom every Saturday. Also, utilizing the weekly announcement, I will let students know other tutoring sessions.

I have reviewed this report:

Department Chair

Date _____

Dean

Date _____

Vice President of Academic Affairs and Student Services

Date _____