

## GBC Class/Course Assessment Report

MATH 120 Fundamentals of College Mathematics

Section Number(s): 1002

Instructor: Jinho Jung

Number of Students: 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 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	<b>Outcome #1:</b> 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	Results:  62 % answered correctly  Criterion Met: Yes	Average percentage: 70.3 %  Criterion Met: Yes	1. Results Analysis: The first general education learning outcomes and the course learning outcomes #1 and 2 met the success criteria.  2. Action Plan:

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	<p><b>Outcome #2:</b></p> <p>Solve problems using basic set theory.</p>	<p>Proctored assignment: Midterm exam</p> <p>Problem numbers:  2.3.135 2.4.53</p>	<p>Results:</p> <p>On average 78.5 % answered correctly.</p> <p>Criterion Met: Yes</p>		
<p>Apply mathematical concepts and operations in proper written or graphical format</p>	<p><b>Outcome #3:</b></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, 83.3% answered correctly</p> <p>Criterion Met: Yes</p>	<p>Average percentage: 83.3%</p> <p>Criterion Met: Yes</p>	<p>1. Results Analysis: Both the second general education learning outcome and the course learning outcome met the success criteria.</p> <p>2. Action Plan:</p>
	<p><b>Outcome #4:</b></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, 57.1% answered correctly.</p> <p>Criterion Met: No</p>	<p>Average percentage:  62.1 %</p> <p>Criterion Met: Yes</p>	<p>1. Results Analysis:</p> <p>The third general education learning outcome met the success criteria. However, among the corresponding five course learning outcomes only three course learning outcomes met the success</p>



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	<p><b>Outcome #9:</b> 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 76.2 % answered correctly.</p> <p>Criterion Met: Yes</p>		
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**Notes:** All three general education learning outcomes met the success criteria. However, two of the nice course learning outcomes have not met the success criteria. Besides students' utilizing the instructor's office hours. encouraging students to utilize the online tutoring service can improve their performance.

I have reviewed this report:

\_\_\_\_\_  
Department Chair

Date\_\_\_\_\_

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Dean

Date\_\_\_\_\_

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Vice President of Academic Affairs and Student Services

Date\_\_\_\_\_