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	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	Results: 62 % answered correctly Criterion Met: Yes	Average percentage: 70.3 % Criterion Met: Yes	 Results Analysis: The first general education learning outcomes and the course learning outcomes #1 and 2 met the success criteria. Action Plan:

	Outcome #2: Solve problems using basic set theory.	Proctored assignment: Midterm exam Problem numbers: 2.3.135 2.4.53	Results: On average 78.5 % answered correctly. Criterion Met: Yes		
Apply mathematical concepts and operations in proper written or graphical format	Outcome #3: Follow appropriate mathematical format and use proper mathematical notation in solving problems.	Proctored assignment: Final Exam Problem numbers: 10.2.23 9.3.49 10.4.23	Results: On average, 83.3% answered correctly Criterion Met: Yes	Average percentage: 83.3% Criterion Met: Yes	 Results Analysis: Both the second general education learning outcome and the course learning outcome met the success criteria. Action Plan:
	Outcome #4: Use mathematical formulas to evaluate problems involving financial data.	Proctored assignment: Midterm exam Problem numbers:	Results: On average, 57.1% answered correctly.	Average percentage: 62.1 %	 Results Analysis: The third general education learning outcome met the success criteria. However,
		8.3.3 8.3.11 8.5.39	Criterion Met: No	Criterion Met: Yes	among the corresponding five course learning outcomes only three course learning outcomes met the success

	Outcome #5:	Proctored assignment:	Results:	criteria.
Apply relevant mathematical skills	Colvo problems using	Final Exam		
in solving real-world	Solve problems using dimensional analysis	Problem numbers:	On average 75 % answered correctly	
problems		9.1.9 9.1.23		2. Action Plan: Mainly students didn't do well on
		9.2.11 9.3.49	Criterion Met: Yes	symbolic logic, trigonometr
		9.3.49		More hands on class activit will need to be developed a
	Outcome #6:	Proctored assignment: Final Exam	Results:	more assignments for students can help understa
	Identify and analyze		On average 63%	the concepts.
	statistical data.	Problem numbers:	answered correctly	Encourage students to use online tutoring service.
		12.2.3 12.2.18		
		12.4.37	Criterion Met: Yes	
		12.3.23		
	Outcome #7:	Proctored assignment: Midterm exam	Results:	
	Use formal and symbolic		On average 55 %	
	logic to analyze arguments and draw valid	Problem numbers: 3.7.23	answered correctly.	
	conclusions.	3.7.11	Criterian Mate Na	
		3.5.15	Criterion Met: No	
Continued:	Outcome #8:	3.2.7	Results:	
Apply relevant mathematical skills	Outcome #8:	Proctored assignment: Final Exam	Results.	
in solving real-world	Use trigonometry to solve		On average 46.4%	
problems	problems involving right triangles.	Problem numbers:	answered correctly	
		10.6.37 10.2.23		
			Criterion Met: No	

Outcome #9: Calculate perimeter, area, surface area, and volume	Proctored assignment: Final Exam Problem numbers:	Results: On average 76.2 % answered correctly.	
of various geometric objects.	10.4.13 10.4.23 10.5.9	Criterion Met: Yes	

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

Dean

Date_____

Date_____

Vice President of Academic Affairs and Student Services

Date