

Assessment: Course Four Column



Courses (MATH) - Math

MATH 120: Fund of College Math

<i>Course Outcomes</i>	<i>Assessment Measures</i>	<i>Results</i>	<i>Actions</i>
<p>Basic rules of probability - Solve problems using the basic rules of probability. Course Outcome Status: Active Next Assessment: 2023-2024</p>	<p>Exam - Proctored assignment: Chapter 11 Exam Problem numbers: #1 70% #15 90% #23 50% Criterion: NA</p>	<p>Reporting Period: 2018-2019 Criterion Met: Yes Average percentage: 70%</p> <p>Results Analysis: Students had good understanding of sets, except for the more complicated problem involving surveys. Students had difficulty with conditional probability. (11/04/2019)</p>	<p>Action: Provide more examples, discussion on the survey problems and conditional probability. (11/04/2019)</p>
<p>Basic set theory - Solve problems using basic set theory. Course Outcome Status: Active Next Assessment: 2022-2023</p>	<p>Exam - Proctored assignment: Chapter 2 Exam Problem numbers: # 8 100% #10 73% #16 91% #17 19% Criterion: NA</p>	<p>Reporting Period: 2018-2019 Criterion Met: Yes Average Percentage: 70.75% (11/04/2019)</p>	
<p>Follow appropriate mathematical format - Follow appropriate mathematical format and use proper mathematical notation in solving problems. Course Outcome Status: Active Next Assessment: 2023-2024</p>	<p>Assignment - Written - Proctored assignment: Chapters 2, 3, 9,11 Problem numbers: Ch. 2 # 1 100% Ch. 3 #4 100%</p>	<p>Reporting Period: 2018-2019 Criterion Met: Yes Average percentage: 84.8% Results Analysis: Students have difficulty with determining when statements are equivalent. (11/04/2019)</p>	<p>Action: In general, I will incorporate more discussion/examples with symbolic notation and working with symbols to determine if statements are equivalent. (11/04/2019)</p>

Course Outcomes	Assessment Measures	Results	Actions
	Ch. 3 #14 36% Ch. 3 #15 91% Ch. 9 #1 92% Ch. 11 #9 90% Criterion: NA		
Mathematical formulas to evaluate problems involving financial data - Use mathematical formulas to evaluate problems involving financial data. Course Outcome Status: Active Next Assessment: 2023-2024	Exam - Proctored assignment: Chapter 8 Exam Problem numbers: #9 36% #10 18% #14 27% #19 36% Criterion: NA	Reporting Period: 2018-2019 Criterion Met: No Average percentage: 29% Results Analysis: Students have great difficulty using somewhat complicated financial formulas. Students have difficulty in converting units if there is more than one multiplication or more than one unit involved. Students have difficulty with symbolic logic, both in translating English statements into symbols and then utilizing the symbols to determine the validity of an argument. Students in this course are not meeting the Math Department's general education objective for applying relevant mathematical skills in solving real-world problems. At every instance, i.e., chapter 3, 10, 12 I need to incorporate more support material that emphasizes the importance of these skills and gives students the opportunity for more practice. (11/04/2019)	Action: Include algebra remediation prior to and during the personal finance chapter. Incorporate more practice with dimensional analysis. Incorporate more practice on translating English statements to symbols. Also provide more examples and more opportunities for students to build argument using symbolic notation. Build a better Chapter 10 Exam that includes trigonometric ratios. Include surface area on Chapter 10 Exam. (11/04/2019)
Dimensional analysis - Solve problems using dimensional analysis Course Outcome Status: Active Next Assessment: 2023-2024	Exam - Proctored assignment: Chapter 9 Exam Problem numbers: #1 92% #2 42% #3 50% Criterion: NA	Reporting Period: 2018-2019 Criterion Met: No Average Percentage: 61.3% (11/04/2019)	
Identify and analyze statistical data -	Exam - Proctored assignment:	Reporting Period: 2018-2019	

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<p>Identify and analyze statistical data. Course Outcome Status: Active Next Assessment: 2023-2024</p>	<p>Chapter 12 Exam</p> <p>Problem numbers: #1 91% #3 100% #4 64% #5 100% #10 55% #14 64% Criterion: NA</p>	<p>Criterion Met: Yes Average percentage: 79% (11/04/2019)</p>	
<p>Formal and symbolic logic to analyze arguments and draw valid conclusions - Use formal and symbolic logic to analyze arguments and draw valid conclusions. Course Outcome Status: Active Next Assessment: 2023-2024</p>	<p>Exam - Proctored assignment: Chapter 3 Exam</p> <p>Problem numbers: #11 64% #20 36% Criterion: NA</p>	<p>Reporting Period: 2018-2019 Criterion Met: No Average Percentage: 50% (11/04/2019)</p>	
<p>Trigonometry to solve problems involving right triangles - Use trigonometry to solve problems involving right triangles. Course Outcome Status: Active Next Assessment: 2023-2024</p>	<p>Exam - Proctored assignment: Chapter 10 Exam</p> <p>Problem numbers: #7 83% No problems involving trigonometric ratios Criterion: NA</p>	<p>Reporting Period: 2018-2019 Criterion Met: No Invalid results since exam did not include trigonometric ratios (11/04/2019)</p>	
<p>Calculate perimeter, area, surface area, and volume of various geometric objects - Calculate perimeter, area, surface area, and volume of various geometric objects. Course Outcome Status: Active Next Assessment: 2023-2024</p>	<p>Exam - Proctored assignment: Chapter 10 Exam</p> <p>Problem numbers: #18 50% #21 75% Criterion: NA</p>	<p>Reporting Period: 2018-2019 Criterion Met: Yes Average percentage: 62.5% (11/04/2019)</p>	<p>Action: For the general education objectives, I believe the plan is for the Math Department to look at these at a departmental level, and goals and action plans will be developed at that level. (11/04/2019)</p>