

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.</p> <p>Course Outcome Status: Active</p> <p>Next Assessment: 2023-2024</p>	<p>Exam - Proctored assignment: Final Exam</p> <p>Problem numbers: 11.1.9, 11.4.11, 11.5.15</p> <p>Criterion: 11.1.9: 63% 11.4.11: 74% 11.5.15: 21% Average: 53%</p>	<p>Reporting Period: 2018-2019</p> <p>Criterion Met: No</p> <p>11.1.9: 63% 11.4.11: 74% 11.5.15: 21% Average: 53%</p> <p>Results Analysis: These percentages are very low and unacceptable. I did notice that both of the course level outcomes were significantly higher (but still low) in the Spring class. The improvement might have been from the fact that I had no course videos to go with this course in the fall, but I had lecture capture from the fall for Spring. (09/17/2019)</p>	<p>Action: Make specific videos for these topics to include in my online course using Ely lecture capture system. (09/17/2019)</p>
<p>Basic set theory - Solve problems using basic set theory.</p> <p>Course Outcome Status: Active</p> <p>Next Assessment: 2022-2023</p>	<p>Exam - Proctored assignment: Midterm</p> <p>Problem numbers: 2.1.85, 2.3.93, 2.3.7, 2.4.5, 2.5.27</p> <p>Criterion: NA</p>	<p>Reporting Period: 2018-2019</p> <p>Criterion Met: No</p> <p>2.1.85: 25% 2.3.93: 40% 2.3.7: 95% 2.4.5: 50% 2.5.27: 35% Average: 49% (09/17/2019)</p>	
<p>Follow appropriate mathematical format - Follow appropriate mathematical format and use proper mathematical notation in solving</p>	<p>Exam - Proctored assignment: Midterm and Final exams</p> <p>Problem numbers: 2.1.11, 3.2.7, 3.6.19, 3.5.23, 9.1.21</p>	<p>Reporting Period: 2018-2019</p> <p>Criterion Met: Yes</p> <p>2.1.11: 75% 3.2.7: 95%</p>	<p>Action: I am happy with the results and do not see anything I need to change here. (09/17/2019)</p>

<i>Course Outcomes</i>	<i>Assessment Measures</i>	<i>Results</i>	<i>Actions</i>
<p>problems. Course Outcome Status: Active Next Assessment: 2023-2024</p>	<p>Criterion: NA</p>	<p>3.6.19: 60% 3.5.23: 75% 9.1.21: 89% Average: 79%</p> <p>Results Analysis: Students seem to be able to handle notation concepts quite well. (09/17/2019)</p>	
<p>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</p>	<p>Exam - Proctored assignment: Midterm Problem numbers: 8.3.3, 8.4.7, 8.5.29, 8.6.1 Criterion: NA</p>	<p>Reporting Period: 2018-2019 Criterion Met: No 8.3.3: 90% 8.4.7: 70% 8.5.29: 20% 8.6.1: 65% Average: 61%</p> <p>Results Analysis: It is interesting that the student outcomes were low but balanced out to meet the criteria for the general education outcome. I had higher achievement in almost every category compared to the spring. The main thing I did differently between the two semesters was that I had lecture capture videos available in the spring that were not available in the fall and in the fall I sent the students specific videos to encourage them and provide them with study tips that I did not provide in the Spring. (09/17/2019)</p>	<p>Action: I think completing homework is a key factor here. This fall semester did a better job of that than the spring semester and they had better results. I will definitely be providing study tip encouragement videos in this course. (09/17/2019)</p>
<p>Dimensional analysis - Solve problems using dimensional analysis Course Outcome Status: Active Next Assessment: 2023-2024</p>	<p>Exam - Proctored assignment: Final Exam Criterion: NA</p>	<p>Reporting Period: 2018-2019 Criterion Met: Yes 9.1.9: 95% 9.1.23: 100% Average: 98% (09/17/2019)</p>	
<p>Identify and analyze statistical data - Identify and analyze statistical data. Course Outcome Status: Active Next Assessment: 2023-2024</p>	<p>Exam - Proctored assignment: Final exam Problem numbers: 12.1.52, 12.2.3, 12.3.23, 12.4.37 Criterion: NA</p>	<p>Reporting Period: 2018-2019 Criterion Met: Yes 12.1.52: 79% 12.2.3: 100% 12.3.23: 42% 12.4.37: 63% Average: 71% (09/17/2019)</p>	
<p>Formal and symbolic logic to analyze arguments and draw valid</p>	<p>Exam - Proctored assignment:</p>	<p>Reporting Period: 2018-2019</p>	

<i>Course Outcomes</i>	<i>Assessment Measures</i>	<i>Results</i>	<i>Actions</i>
<p>conclusions - Use formal and symbolic logic to analyze arguments and draw valid conclusions. Course Outcome Status: Active Next Assessment: 2023-2024</p>	<p>Midterm Problem numbers: 3.3.27, 3.7.11 Criterion: NA</p>	<p>Criterion Met: No 3.3.27: 50% 3.7.11: 70% Average: 60% (09/17/2019)</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: Final Exam Problem numbers: 10.2.23, 10.6.37 Criterion: NA</p>	<p>Reporting Period: 2018-2019 Criterion Met: No 10.2.23: 84% 10.6.37: 32% Average: 58% (09/17/2019)</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: Final Exam Problem numbers: 10.4.13, 10.5.9, 10.5.59 Criterion: NA</p>	<p>Reporting Period: 2018-2019 Criterion Met: No 10.4.13: 47% 10.5.9: 53% 10.5.59: 47% Average: 49% (09/17/2019)</p>	<p>Action: I was assessing this course in particular to try out the new math department for that is built with the intention of being a viable instrument for both Gen Ed and regular course assessment. I also was interested in how the new book might be working with the students. This course was one of the first to use the new textbook. I had many students mention that they liked the textbook and thought it explained concepts very clearly, but a few did say the opposite. This class started with 31 students and had 8 withdraw with a "W". Only 20 students took the midterm and only 19 took the final. I want to find a way to bridge that gap since students cannot succeed without completing the work. In the spring I tried weekly reminder emails but that did not seem to be enough by itself. Possibly I can try building a stronger sense of community among the students by having them use discussion boards, then they could encourage each other</p>

Course Outcomes

Assessment Measures

Results

Actions

to progress as well. (09/17/2019)