**MATH 20 Fundamentals of College Mathematics Learning Support Course**

**Section Number(s): 1002**

**Instructor: Daniel T. Murphree**

**Academic Year: 2020-2021**

**Semester: Spring**

**# of Students: 22**

**Complete and submit your assessment report electronically to your department chair. 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.**

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| **Class/Course Outcomes** | **Assessment Measures** | **Course 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, please reflect on this outcome’s results and summarize how you plan to use the results to improve student learning. |
| **Outcome #1:**  Correctly execute arithmetic operations using rational and real numbers. | Proctored assignment:  Applicable MATH 120E Proctored Exams | Results:  Proctored Exam 2: 60%  Proctored Exam 3: 71.4  Average: 65.7%  Criterion Met: Yes | 1. Results Analysis: The success rate is comparable to that in my live version of the course. I can see that students were more successful with the exam covering probability and statistics than with the one covering finance and geometry. Looking through the results of the proctored exam 2, I can see that students struggled much more with the geometry concepts than with the finance concepts, which indicates to me that the review of using formulas was more effective when done near chapter 8 where many complex formulas are used, but students seemed to have missed how to use formulas in creative ways which is needed for geometry.  2. Action Plan: I will create study skills projects focused on practicing formulas specifically used in the MATH 120E course to helps students better understand those formulas and how to use them creatively. |
| **Outcome #2:**  Evaluate and simplify expressions involving exponents. | Proctored assignment:  Applicable MATH 120E Proctored Exams |
| **Outcome #3:**  Simplify Algebraic expressions. | Proctored assignment:  Applicable MATH 120E Proctored Exams |
| **Outcome #4:**  Solve linear equations in one variable. | Proctored assignment:  Applicable MATH 120E Proctored Exams |
| **Outcome #5:**  Solve rational equations. | Proctored assignment:  Applicable MATH 120E Proctored Exams |
| **Outcome #6:**  Implement effective study skills to succeed in college level mathematics courses. | Proctored assignment:  Study Skills Projects | Results:  Average: 96%  Criterion Met: Yes | 1. Results Analysis: I did not create as many study skills projects as I wanted to this semester due to a difficult schedule with my other classes. I am looking forward to planning more of these with my corequisite support instructor next semester.  2. Action Plan: I plan on planning more projects for next semester so that students will have a more regular reminder to keep up their study skills usage habits. |

**Notes: This is the second semester of the online asynchronous version of the pilot learning support course for MATH 120. I am still unsure if the assessment for these measures is effective or not, but I kept them the same so that there could be a valid comparison between the two semesters.**

**In this course the success rate was 76% which was lower than last semester, but still a good rate. I’m actually happy to see this rate go down as I feel that I was able to adjust the course to be more effective and reflect what the students were actually learning. The withdrawal rate for this class was necessarily the same as the associated MATH 120E course, 16.7%.**

I have reviewed this report:

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Department Chair Dean

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Vice President of Academic Affairs and Student Services

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