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

**Section Number(s): 1002**

**Instructor: Daniel T. Murphree**

**Academic Year: 2021-2022**

**Semester: Fall**

**# of Students: 31**

**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: 64.05%, 18 students  Proctored Exam 3: 60.47 17 students  Average: 62.31%  Criterion Met: Yes | 1. Results Analysis: This course barely met the criteria with the 3rd proctored exam doing much worse that the 2nd proctored exam. The 3rd proctored exam was not actually meeting the criteria at all. That exam covered probability and statistics.  2. Action Plan: The department will be changing how we assess MATH 20 next year to try and get a better concept of what exactly in the prerequisites we are missing. Assessing using the MATH 120 exams was not working as we had hoped to pinpoint the concepts that students need help with. Our new concept will use concept exams that can also be used to reduce the amount of work students need to do in MATH 20 overall. |
| **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: Study Skills Projects  Average: 66.67  Criterion Met: Yes | 1. Results Analysis: The criterion was met, but I was disappointed in the average here because I designed these assignments to be simple to complete if students are keeping up with their study habits. I wonder if the students were unable to find the assignments because of their location away from the main homework locations (MyMathLab).  2. Action Plan: I plan on inserting these assignments as custom questions in MyMathLab so that the students can find them in the same place as the rest of their assignments. |

**Notes: Overall there were 8 students that withdrew from the course and 5 received a “U” for a 58% success rate in this course. I am pleased with that success rate, but it does leave room for improvement. I am hopeful that the changes we make in assessment will help pinpoint where the students are actually struggling. We really need to find a way to balance student workload in these corequisite classes.**

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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