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

**Section Number(s): 1003**

**Instructor: Daniel T. Murphree**

**Academic Year: 2021-2022**

**Semester: Fall**

**# of Students: 30**

**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 Chapter 8 Exam: 59.74%, 20 students  Proctored Chapters 9 & 10 Exam: 85.86% 17 students  Proctored chapter 11 Exam: 65.67% 19 students  Proctored chapter 12 Exam: 84.43% 18 students    Average: 73.27%  Criterion Met: Yes | 1. Results Analysis: I’m very happy with the overall result here, and also with most of the results from the exams. In particular, I’m happy to see an improved result from the chapters 9 & 10 exam over last semester, possibly indicating that the changes I made to how I covered geometry . The students struggled most with chapters 8 and 11, which are financial mathematics and probability respectively.  2. Action Plan: I think it would help students in probability to specifically focus on completing the problems since the explanation as to \*why\* is a bit more clear than other topics. The problems can be difficult to set up. In financial mathematics the most difficulty seemed to be with home loans. I will try to take more time on that section to help students better understand the calculations involved there. |
| **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: 85.3%  Criterion Met: Yes | 1. Results Analysis: This class did way better than my WB class. I think that having a regular class meeting to remind the students to turn in what is needed for the projects helped immensely.  2. Action Plan: The only thing I can think of that might improve this result is to remind students more frequently to keep up their study skill habits. |

**Notes: In this class I had 5 students withdraw and only 2 students receive a U for an overall success rate of 76.67% which I’m pretty happy with. This semester I had much more success in my live class than my online class, which is confusing since I do not feel that I made that many substantial changes to the live class over the online one. I feel like having live interaction with the instructor is usually helpful for the students.**

I have reviewed this report:

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Department Chair Dean

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Vice President of Academic Affairs and Student Services

Date\_\_\_\_\_\_\_\_\_\_\_­\_\_\_\_