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

**Section Number(s): 1001**

**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:  CHP 8: 57.1%%  CHPS 9/10: 75%  CHP 11: 57.1%  CHP 12: 87.5%  Average: 69.2%  Criterion Met: Yes | 1. Results Analysis: My students had a much better success rate on the exams than what I saw last semester. The most struggle was on the exams for chapters 8 and 11, which are two of the most complicated chapters. Chapter 8 relies on some particularly complicated formulas and chapter 11 requires difficult reasoning through application problems. While there is clearly room for improvement, I feel that integrating the two classes helped.  2. Action Plan: I will further integrate MATH 20 and MATH 120E by scheduling the courses one right after the other. This way, I will be able to combine the topics and have more time for both. |
| **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: 100%  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 “live” 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 90% which I attribute to the homework being tied together with the homework for the MATH 120E course and therefore easier to find and complete. 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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