



UNIVERSITY OF ARKANSAS
PULASKI TECH

Course-Level Assessment Report

Course: MATH 1302

Academic Year: 2020-21

**Due to Chair/Program Director and Faculty Assessment Chair by
September 4**



1. Name of course: MATH 1302 College Algebra
2. Name of individual(s) compiling report: Shelley Hanson
3. Date of submission: September 9, 2021
4. Academic year: 2020-2021

Course-Level Learning Outcomes

1. What are the Course-Level Outcomes (CLOs)?

SLO #1 The ability to perform and solve basic function operations and algebraic problems using appropriate vocabulary

SLO #2 Critical thinking to formulate decisions and problem solving based on reasoning and analysis

SLO #3 The appropriate use of technology to supplement and enhance conceptual understanding, visualization, and inquiry

SLO #4 The ability to synthesize information from a variety of sources to solve problems and interpret results

2. Which CLOs were addressed for the academic year?

All course level learning outcomes were addressed.

3. Which CLOs are being addressed in your assessment plan in the upcoming academic year?

All course level learning outcomes will be addressed in the upcoming academic year.

4. Explain the assessment cycle.

The math department uses post assessments to collect and analyze data. We review the data annually. We use a common, comprehensive final exam at the end of each semester. Each question on the exam is aligned with a course learning outcome. We use these results to adjust our classes. We analyze the results for all modalities combined as well as separately. We look at traditional, online and concurrent as well as with and without support.

5. What are the assessment methods? Are they direct or indirect?

We use a direct method of assessment. We use a common, comprehensive, multiple choice final exam. It is administered online through MyMathLab.

6. What are the assessment goal(s), including benchmarks?

We use a 70% threshold for each course learning outcome.

7. What were the findings for the academic year?

Fall 2020: CLO #1 87.31%, CLO #2 85.06%, CLO #3 87.89%, CLO #4 78.2%

Spring 2021: CLO #1 90.14%, CLO #2 88.09%, CLO #3 90.94%, CLO #4 83.17%

8. What is your analysis of the findings?

From Fall 2020 to Spring 2021 we saw improvements in each CLO. The improvements were 2.83%, 3.03%, 3.05% and 4.97% respectively.

We also saw improvements from Fall 2019- Fall 2020 in all CLOs except CLO #2. The CLO#1 improved from 81.38% to 87.31%
CLO #2 went down from 86.74% to 85.06%
CLO#3 improved from 86.94% to 87.89%
CLO #4 improved from 73.23% to 78.2%

We also saw improvements from Spring 2020- Spring 2021 in all CLOs.
CLO #1 improved from 87.40% to 90.14%
CLO #2 improved from 87.4% to 88.09%
CLO #3 improved from 90.00% to 90.95%
CLO #4 improved from 79.00% to 83.17%

These results could be attributed to several things. When the pandemic hit in March 2020 all classes moved off campus. We came back to campus in August 2020 but in a very different way than pre-pandemic days. All exams went from being given in a proctored on campus setting to online through MyMathLab.

Also, as a department we have analyzed our results each semester and worked to improve our assessment results by adding assignments to lessons that had lower scores.

	Fall 2020	Spring 2021	Combined
CLO 1	87.31%	90.14%	88.73%
CLO 2	85.06%	88.09%	86.58%
CLO 3	87.89%	90.95%	89.42%
CLO 4	78.20%	83.17%	80.69%

	Fall 2020	Spring 2021
Total # of Students on Roster	639	539
Total # of Students Taking Assessment	484	410
Success Rate of Assessment	86.59%	89.48%

Results by Modality for Fall 2020-Spring 2021

	Traditional	Online
Total # of Students on Roster	651	442
Total # of Students Taking Assessment	485	351
Success Rate of Assessment	84.40%	83.17%

Note* The traditional modality on these results includes College Algebra with and without support and all webinars.

Even though our success rates on our assessments is extremely high we are still struggling with our pass rates. Our pass rate for Fall 2020 was 70.97% and for Spring 2021 was 71.80%. This is up from previous years but needs to be higher.

9. What is the action plan for the upcoming academic year? Explain.

Lead instructor plans to meet with course instructors to discuss ideas for improving instructional methods.

We will continue to use the Dana Center resources.

We will continue to work with the Learning Assistance Center.

We will meet to discuss updating and improving our assessment tool/ final exam.