

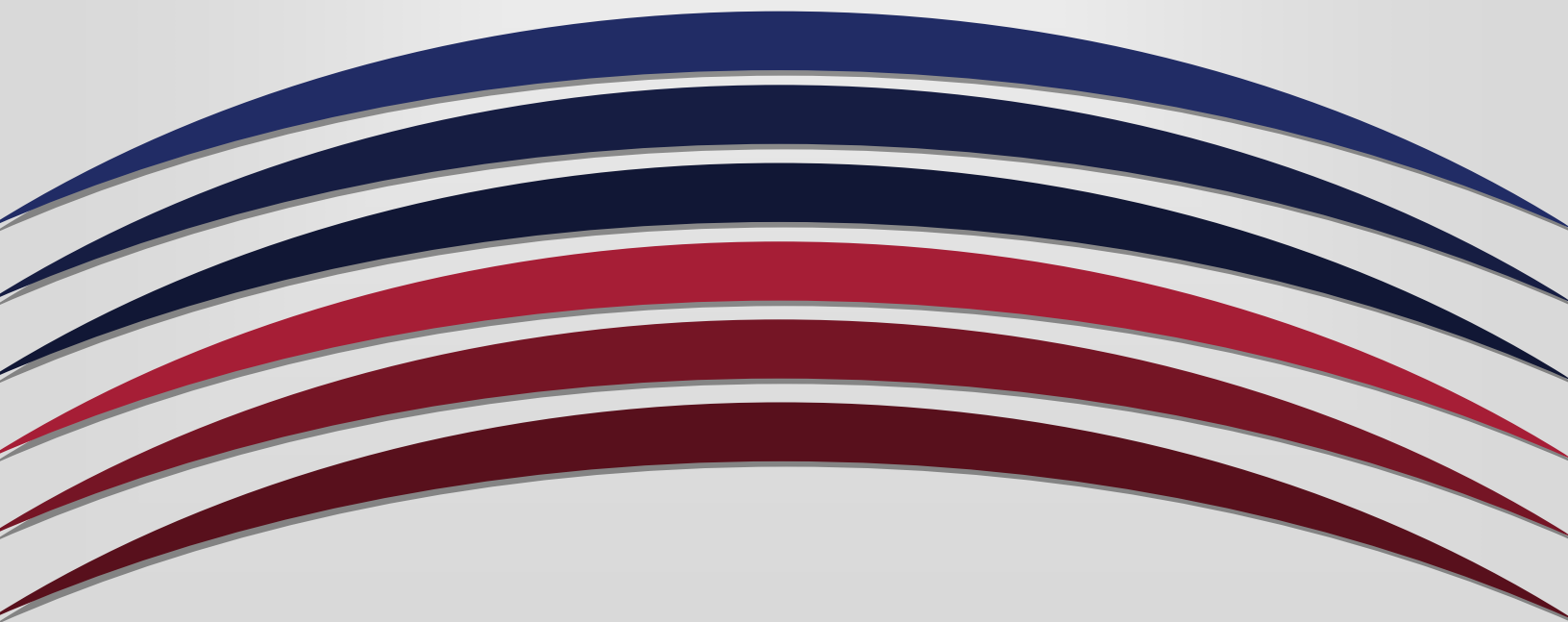
UNIVERSITY OF ARKANSAS
PULASKI TECH

Course-Level Assessment Report

Course: MATH 2310 - Discret

Mathematics

Academic Year: _____



1. Name of course: MATH 2310 Discrete Math
2. Name of individual(s) compiling report: Shannon Vaughn
3. Date of submission: 9/22/2023
4. Academic year: 2022-2023

Course-Level Learning Outcomes

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

2. Use of proving techniques.
3. Use of symbolic arguments for the construction of truth tables.
4. Knowledge of set concepts.
5. The ability to identify terms of a sequence.
6. Computation of sums and products.
7. Calculation of combinatorics.
8. Use of the properties and theorems of functions.

9. Which CLOs were addressed for the academic year?

Same as above

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

Same as above

11. How does this report connect or map to program-level or institutional-level outcomes?

(ILO link: <https://uaptc.edu/college-academics/resources/student-learning-outcomes>
PLO list will vary depending on your Program.)

These outcomes are related to ILO Critical Thinking and Quantitative Literacy, PLO Reason Quantitatively and Analyze Critically.

For each Course Level Outcome assessed this academic year, please complete the chart below, providing the assessment data for both fall and spring, and then a total for the academic year.

<p>Assessment Methods- How did you assess student learning (define direct assessment methods used) in relation to the course level outcome being reported?</p> <p><i>Note: If more than one assessment method was used, you may insert an additional row.</i></p>	<p><i>Students across all sections completed a common comprehensive final exam. Questions were linked to specific course learning outcomes. Item analysis was performed to determine proficiency.</i></p> <p><i>CLO 1: Use of proving techniques</i></p>	
<p>Were indirect assessment methods also used to assess students? If 'yes', please describe the method used.</p>		<p>No</p>
<p>How do you define success for an individual student on the CLO assessment assignment or measure?</p>	<p><i>Student scores 75% on the questions linked to the CLO</i></p>	
<p>How do you define success for the course level outcome? What is the benchmark for the Course Level Outcome?</p>	<p><i>70% of students in the course achieve success on the CLO assessment assignment or measure</i></p>	
<p>How many students completed the assessment, and how many were</p>		<p>Spring <i>9 students assessed</i></p>

successful?		9 successful (100% success rate)
Academic Year Total (add the numbers from Fall and Spring)	9 students assessed 8 successful (90% success rate)	
Was the benchmark/goal for this academic year met?	Yes	
Were standardized rubrics, tests, or checklists used?		No

<p>Assessment Methods- How did you assess student learning (define direct assessment methods used) in relation to the course level outcome being reported?</p> <p><i>Note: If more than one assessment method was used, you may insert an additional row.</i></p>	<p>Students across all sections completed a common comprehensive final exam. Questions were linked to specific course learning outcomes. Item analysis was performed to determine proficiency.</p> <p>CLO 2: Use of symbolic arguments for the construction of truth tables</p>	
<p>Were indirect assessment methods also used to assess students? If 'yes', please describe the method used.</p>		No
<p>How do you define success for an individual student on the CLO assessment assignment or measure?</p>	<p>Student scores 75% on the questions linked to the CLO</p>	
<p>How do you define success for the course level outcome? What is the benchmark for the Course Level Outcome?</p>	<p>70% of students in the course achieve success on the CLO assessment assignment or measure</p>	
<p>How many students completed the assessment, and how many were successful?</p>		<p>Spring 9 students assessed 9 successful</p>

		(100% success rate)
Academic Year Total (add the numbers from Fall and Spring)	9 students assessed 9 successful (100% success rate)	
Was the benchmark/goal for this academic year met?	Yes	
Were standardized rubrics, tests, or checklists used?		No

Assessment Methods- How did you assess student learning (define direct assessment methods used) in relation to the course level outcome being reported? <i>Note: If more than one assessment method was used, you may insert an additional row.</i>	Students across all sections completed a common comprehensive final exam. Questions were linked to specific course learning outcomes. Item analysis was performed to determine proficiency. CLO 3: Knowledge of set concepts	
Were indirect assessment methods also used to assess students? If 'yes', please describe the method used.		No
How do you define success for an individual student on the CLO assessment assignment or measure?	Student scores 75% on the questions linked to the CLO	
How do you define success for the course level outcome? What is the benchmark for the Course Level Outcome?	70% of students in the course achieve success on the CLO assessment assignment or measure	
How many students completed the assessment, and how many were successful?		Spring 9 students assessed 9 successful (100% success rate)

Academic Year Total (add the numbers from Fall and Spring)	<i>9 students assessed 9 successful (100% success rate)</i>	
Was the benchmark/goal for this academic year met?	Yes	
Were standardized rubrics, tests, or checklists used?		No

<p>Assessment Methods- How did you assess student learning (define direct assessment methods used) in relation to the course level outcome being reported?</p> <p><i>Note: If more than one assessment method was used, you may insert an additional row.</i></p>	<p><i>Students across all sections completed a common comprehensive final exam. Questions were linked to specific course learning outcomes. Item analysis was performed to determine proficiency.</i></p> <p><i>CLO 4: Ability to identify terms of a sequence</i></p>	
Were indirect assessment methods also used to assess students? If 'yes', please describe the method used.		No
How do you define success for an individual student on the CLO assessment assignment or measure?	<i>Student scores 75% on the questions linked to the CLO</i>	
How do you define success for the course level outcome? What is the benchmark for the Course Level Outcome?	<i>70% of students in the course achieve success on the CLO assessment assignment or measure</i>	
How many students completed the assessment, and how many were successful?		Spring <i>9 students assessed 9 successful (100% success rate)</i>
Academic Year Total (add the	<i>9 students assessed</i>	

numbers from Fall and Spring)	<i>8 successful (90% success rate)</i>	
Was the benchmark/goal for this academic year met?	Yes	
Were standardized rubrics, tests, or checklists used?		No

<p>Assessment Methods- How did you assess student learning (define direct assessment methods used) in relation to the course level outcome being reported?</p> <p><i>Note: If more than one assessment method was used, you may insert an additional row.</i></p>	<p><i>Students across all sections completed a common comprehensive final exam. Questions were linked to specific course learning outcomes. Item analysis was performed to determine proficiency.</i></p> <p><i>CLO 5: Computation of sums and products</i></p>	
Were indirect assessment methods also used to assess students? If 'yes', please describe the method used.		No
How do you define success for an individual student on the CLO assessment assignment or measure?	<i>Student scores 75% on the questions linked to the CLO</i>	
How do you define success for the course level outcome? What is the benchmark for the Course Level Outcome?	<i>70% of students in the course achieve success on the CLO assessment assignment or measure</i>	
How many students completed the assessment, and how many were successful?		<p>Spring <i>9 students assessed 9 successful (100% success rate)</i></p>
Academic Year Total (add the numbers from Fall and Spring)	<p><i>9 students assessed 8 successful</i></p>	

	<i>(90% success rate)</i>	
Was the benchmark/goal for this academic year met?	Yes	
Were standardized rubrics, tests, or checklists used?		No

<p>Assessment Methods- How did you assess student learning (define direct assessment methods used) in relation to the course level outcome being reported?</p> <p><i>Note: If more than one assessment method was used, you may insert an additional row.</i></p>	<p><i>Students across all sections completed a common comprehensive final exam. Questions were linked to specific course learning outcomes. Item analysis was performed to determine proficiency.</i></p> <p><i>CLO 6: Calculation of combinatorics</i></p>	
Were indirect assessment methods also used to assess students? If 'yes', please describe the method used.		No
How do you define success for an individual student on the CLO assessment assignment or measure?	<i>Student scores 75% on the questions linked to the CLO</i>	
How do you define success for the course level outcome? What is the benchmark for the Course Level Outcome?	<i>70% of students in the course achieve success on the CLO assessment assignment or measure</i>	
How many students completed the assessment, and how many were successful?		<p>Spring</p> <p><i>9 students assessed</i></p> <p><i>9 successful</i></p> <p><i>(100% success rate)</i></p>
Academic Year Total (add the numbers from Fall and Spring)	<p><i>9 students assessed</i></p> <p><i>9 successful</i></p> <p><i>(100% success rate)</i></p>	

Was the benchmark/goal for this academic year met?	Yes	
Were standardized rubrics, tests, or checklists used?		No

<p>Assessment Methods- How did you assess student learning (define direct assessment methods used) in relation to the course level outcome being reported?</p> <p><i>Note: If more than one assessment method was used, you may insert an additional row.</i></p>	<p><i>Students across all sections completed a common comprehensive final exam. Questions were linked to specific course learning outcomes. Item analysis was performed to determine proficiency.</i></p> <p><i>CLO 7 : Use of the properties and theorems of functions</i></p>	
Were indirect assessment methods also used to assess students? If 'yes', please describe the method used.		No
How do you define success for an individual student on the CLO assessment assignment or measure?	Student scores 75% on the questions linked to the CLO	
How do you define success for the course level outcome? What is the benchmark for the Course Level Outcome?	70% of students in the course achieve success on the CLO assessment assignment or measure	
How many students completed the assessment, and how many were successful?		<p>Spring</p> <p>9 students assessed</p> <p>9 successful</p> <p>(100% success rate)</p>
Academic Year Total (add the numbers from Fall and Spring)	<p>9 students assessed</p> <p>8 successful</p> <p>(90% success rate)</p>	

Was the benchmark/goal for this academic year met?	<i>Yes</i>	
Were standardized rubrics, tests, or checklists used?		<i>No</i>

12. What is your analysis of the findings?

For all CLOs 90% or more students showed proficiency. The assessment goals were met.

6. What is the action plan for the upcoming academic year?

Explain.

For all CLOs we intend to continue to monitor success and adjust when necessary.