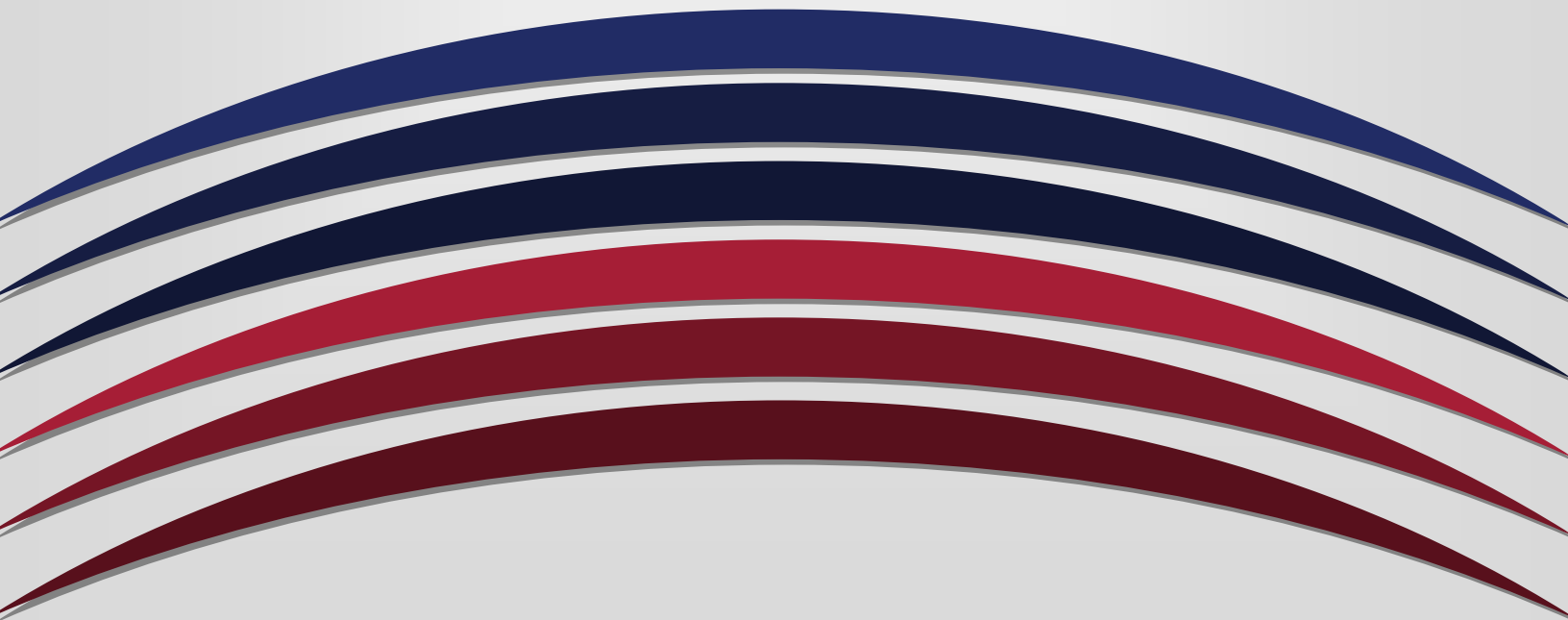


UNIVERSITY OF ARKANSAS
PULASKI TECH

Course-Level Assessment Report
Course: CIS 1413 Relational
Databases
Academic Year: 2023



1. Name of course: CIS 1413 Relational Databases
2. Name of individual(s) compiling report: Raymond Williams
3. Date of submission: Oct 4 2023
4. Academic year: 2023

Course-Level Learning Outcomes

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

1. Understand and explain the fundamental concepts of relational databases.
2. Design and implement a basic database using MariaDB.
3. Perform CRUD (Create, Read, Update, Delete) operations using SQL queries.
4. Implement basic data normalization and understand its importance.
5. Backup and restore a MariaDB database

2. Which CLOs were addressed for the academic year?

The first 4 were addressed and the 5th somewhat addressed, just using different software than MariaDB

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

All

4. 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 CLOS map to the following ILOs

2. Appropriately apply a variety of technology tools within one's discipline. (Technology Literacy)
4. Apply critical thinking skills to achieve a desired goal. (Critical Thinking)
5. Use quantitative methods to solve problems. (Quantitative Reasoning)

These CLOs map to PLOs 1-4 listed below

- Assess technology problems and implement the best solutions both independently and as a dependable team member
- Communicate both in writing and verbally about computing concepts and processes using technical terms effectively to both professional and lay audiences in order to secure and maintain employment.
- Demonstrate knowledge of mathematics and logical approaches to problem-solving in order to analyze a situation and anticipate and prepare for a variety of unknown events that might impact the operation of a computer system or network.
- Demonstrate technical computing skills to prepare for industry certification or to be technically competent in a particular computing position or job field.

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>Course work is progressive in nature as are the CLOs. As the student progresses, each assignment addresses the previous CLO(s) and new ones in a logical order that follows industry standards. The assignments are hands-on and simulate the real work environment.</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</p>	<p><i>Successful completion of the assignment. Students are allowed to resubmit until they</i></p>

CLO assessment assignment or measure?	<i>master the area of assessment.</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?	Fall 2022 <i>13 students assessed</i> <i>12 successful</i> <i>(92%)</i>	Spring <i>Not Offered</i>
Academic Year Total (add the numbers from Fall and Spring)	<i>13 students assessed</i> <i>12 successful</i> <i>(92%)</i>	
Was the benchmark/goal for this academic year met?	Yes	
Were standardized rubrics, tests, or checklists used?	Yes	

5. What is your analysis of the findings?

Students that took the course and worked through everything were successful.

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

Explain.

The course subject matter rigor has increased and the CLOs written here are for those courses. I do not expect to have the same level of success, but I feel like the students will have greater success in their careers as a result of the changes.