

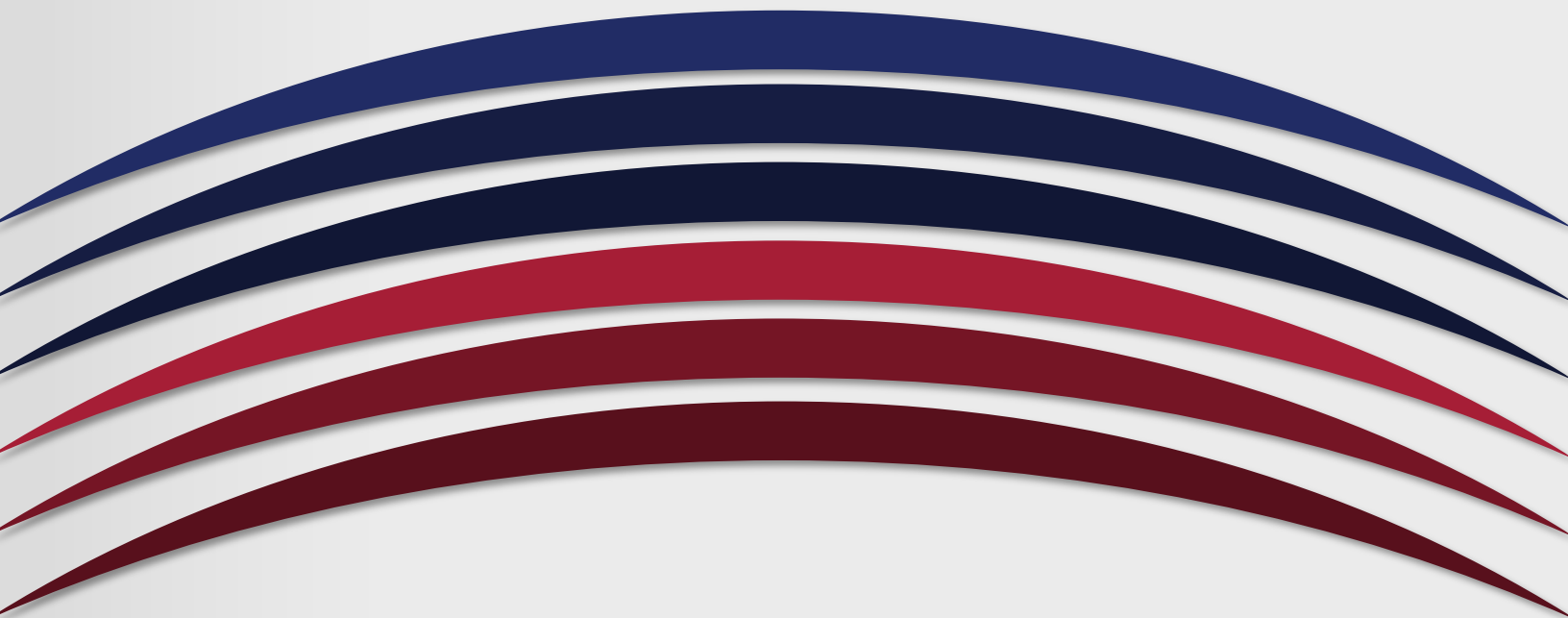
UNIVERSITY OF ARKANSAS
PULASKI TECH

Course-Level Assessment Report

Course: AMS 1102

Academic Year: 2021-2022

**Due to Chair/Program Director and Faculty Assessment Chair by
September 1**



1. Name of course: Automated Manufacturing Systems II
2. Name of individual(s) compiling report: Nicholas C. Speer
3. Date of submission: Sept. 6, 2022
4. Academic year: 2021-2022

Course-Level Learning Outcomes

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

OBJECTIVES: Upon completion of this course the student should be able to:

1. Be able to identify the basic processes used in manufacturing—Systems, Designs and Materials.
2. Be able to conduct reverse engineering processes.
3. Apply basic mathematical procedures to related tasks.
4. Be able to analyze product features to identify manufacturing processes that may have been used.
5. Describe how different manufacturing processes can be used to produce similar products (i.e., a stamped wrench vs-a forged wrench).
6. Describe the Total Quality Management (TQM) process and its value.
7. Describe basic machines and perform calculations based on given parameters.

2. Which CLOs were addressed for the academic year?

Be able to identify the basic processes used in manufacturing—Systems, Designs and Materials.

Be able to conduct reverse engineering processes.

Apply basic mathematical procedures to related tasks.

Be able to analyze product features to identify manufacturing processes that may have been used.

Describe how different manufacturing processes can be used to produce similar products (i.e., a stamped wrench vs-a forged wrench).

Describe the Total Quality Management (TQM) process and its value.

Describe basic machines and perform calculations based on given parameters.

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

Be able to identify the basic processes used in manufacturing—Systems, Designs and

Materials.

Be able to conduct reverse engineering processes.

Apply basic mathematical procedures to related tasks.

Be able to analyze product features to identify manufacturing processes that may have been used.

Describe how different manufacturing processes can be used to produce similar products (i.e., a stamped wrench vs-a forged wrench).

Describe the Total Quality Management (TQM) process and its value.

Describe basic machines and perform calculations based on given parameters.

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.)

List all supporting courses	Program Learning Outcomes				
	PLO #1	PLO #2	PLO #3	PLO #4	PLO #5
<i>Manufacturing Processes</i>	I			I	
<i>Automated Manufacturing Systems I</i>	I				
<i>Automated Manufacturing Systems II</i>					
<i>Automated Manufacturing Systems III</i>					
<i>Automated Manufacturing Systems IV</i>					
<i>Computer Numerical Control I (CNC I)</i>	D	D	D		M
<i>Computer Numerical Control II (CNC II)</i>	M	M	M		M
<i>Quality Control & Inspection</i>	I				
<i>Print Reading & Sketching</i>		I			

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.

Assessment Methods- How did you assess student learning (define direct assessment methods used) in relation to the course level outcome being reported?	All students enrolled in AMS 1102 (Automated Manufacturing Systems II) complete 11 modules in Amatrol and then are tested on each module.
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<i>Note: If more than one assessment method was used, you may insert an additional row.</i>		
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?	Students will score 75% or higher on the module quizzes.	
How do you define success for the course level outcome? What is the benchmark for the Course Level Outcome?	75% of students will score 75% or higher on the module quizzed	
How many students completed the assessment, and how many were successful?	Fall 1 students assessed 1 successful (100% success rate)	Spring Class is not taught during the Spring Semester.
Academic Year Total (add the numbers from Fall and Spring)	1 students assessed 1 successful (100% success rate)	
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?

This semester's goal was meet. All though there was only one student, that student completed everything that was asked.

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

Explain.

None.