

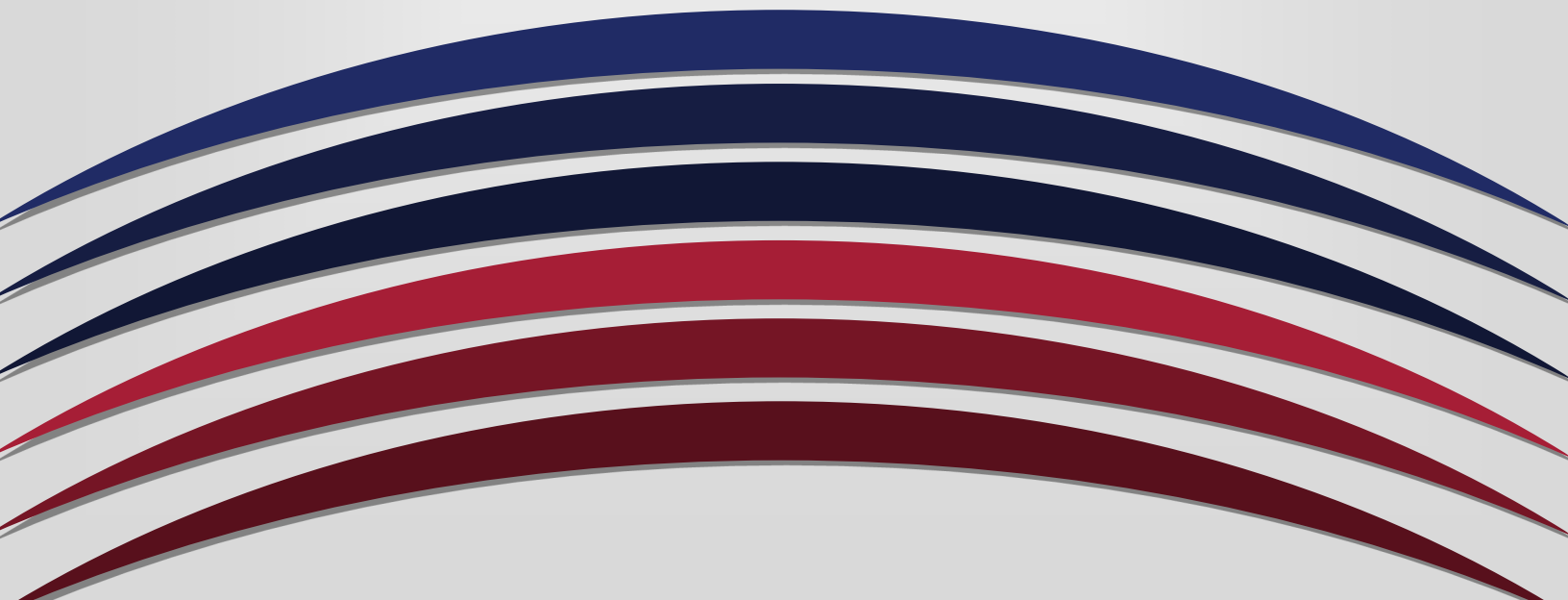
UNIVERSITY OF ARKANSAS  
**PULASKI TECH**

**Course-Level Assessment Report**

**Course: BIOL 1305**

**Academic Year: 2021-22**

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



1. Name of course: BIOL 1305 Anatomy & Physiology 2 Lecture
2. Name of individual(s) compiling report: Jim Porter
3. Date of submission: September 1, 2022
4. Academic year: 2021-22

## Course-Level Learning Outcomes

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

**CLO 1. Transport systems.** The student will explain, describe, discuss, recognize, and/or apply knowledge and understanding of the body's transport systems (includes endocrine system, blood, cardiovascular system, & lymphatic system)

**CLO 2. Respiratory system.** The student will explain, describe, discuss, recognize, and/or apply knowledge and understanding of the respiratory system (includes acid/base balance)

**CLO 3. Absorption and Elimination systems.** The student will explain, describe, discuss, recognize, and/or apply knowledge and understanding of the absorptive and eliminative systems of the body (includes digestive & urinary systems)

**CLO 4. Reproductive system.** The student will explain, describe, discuss, recognize, and/or apply knowledge and understanding of the reproductive system.

**CLO 5. Lab.** The student will explain, describe, discuss, recognize, and/or apply knowledge and understanding of proper use of microscope, other lab equipment, and lab techniques. Students will participate in dissections.

### 2. Which CLOs were addressed for the academic year?

**CLO 1. Transport systems.** The student will explain, describe, discuss, recognize, and/or apply knowledge and understanding of the body's transport systems (includes endocrine system, blood, cardiovascular system, & lymphatic system)

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

**CLO 2. Respiratory system.** The student will explain, describe, discuss, recognize, and/or apply knowledge and understanding of the respiratory system (includes acid/base balance)

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

The first institutional learning outcome (analyzing/synthesizing information) is obviously a part of all medical program classes and our course level outcome directly correlated with this goal.

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>CLO 1. Transport systems of the human body. Direct Standardized Blood Type essay - Human blood type is determined by the presence or absence of certain antigens on red blood cells, based on this knowledge complete the following a) list all possible blood types, b) for each blood type list the surface antigens present, c) for each blood type list the plasma antibodies present, d) explain what happens when incompatible blood types mix and why.</p>	
<p>Were indirect assessment methods also used to assess students? If 'yes', please describe the method used.</p>	<p>Yes</p>	<p>No</p> <p><i>None were given</i></p>

How do you define success for an individual student on the CLO assessment assignment or measure?	Student scores 70% on quiz	
How do you define success for the course level outcome? What is the benchmark for the Course Level Outcome?	CLO 1. Transport systems of the human body-Goal will be met with 70% of all combined Anatomy and Physiology II lab sections passing at 70+%	
How many students completed the assessment, and how many were successful?	<b>Fall</b> 168 students assessed 144 successful (85.7% success rate)	<b>Spring</b> 105 students assessed 93 successful (88% success rate)
Academic Year Total (add the numbers from Fall and Spring)	273 students assessed 237 successful (86.8% success rate)	
Was the benchmark/goal for this academic year met?	<b>Yes</b> <b>X</b>	<b>No</b>
Were standardized rubrics, tests, or checklists used?	<b>Yes</b> <b>X</b>	<b>No</b>

## 5. What is your analysis of the findings?

CLO 1. Transport systems of the human body Both semesters show a pass rate of over 70% for all methods of course delivery. Our goals were met for this learning objective. The assessment is largely memorization and students tend to do well with those types of assessments. Due to the pass rates continuing to show high pass rates, we will perform our assessment on CLO 2 (respiratory system) this coming academic year.

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

### Explain.

Students will be given a standardized test covering both the anatomy and physiology of the respiratory system. Instructors will meet at the end of the fall semester to review results and data will be examined across modalities to determine any necessary changes for spring. Instructors will meet again after the spring semester ends to identify trends and consider adjustments for the next academic year.