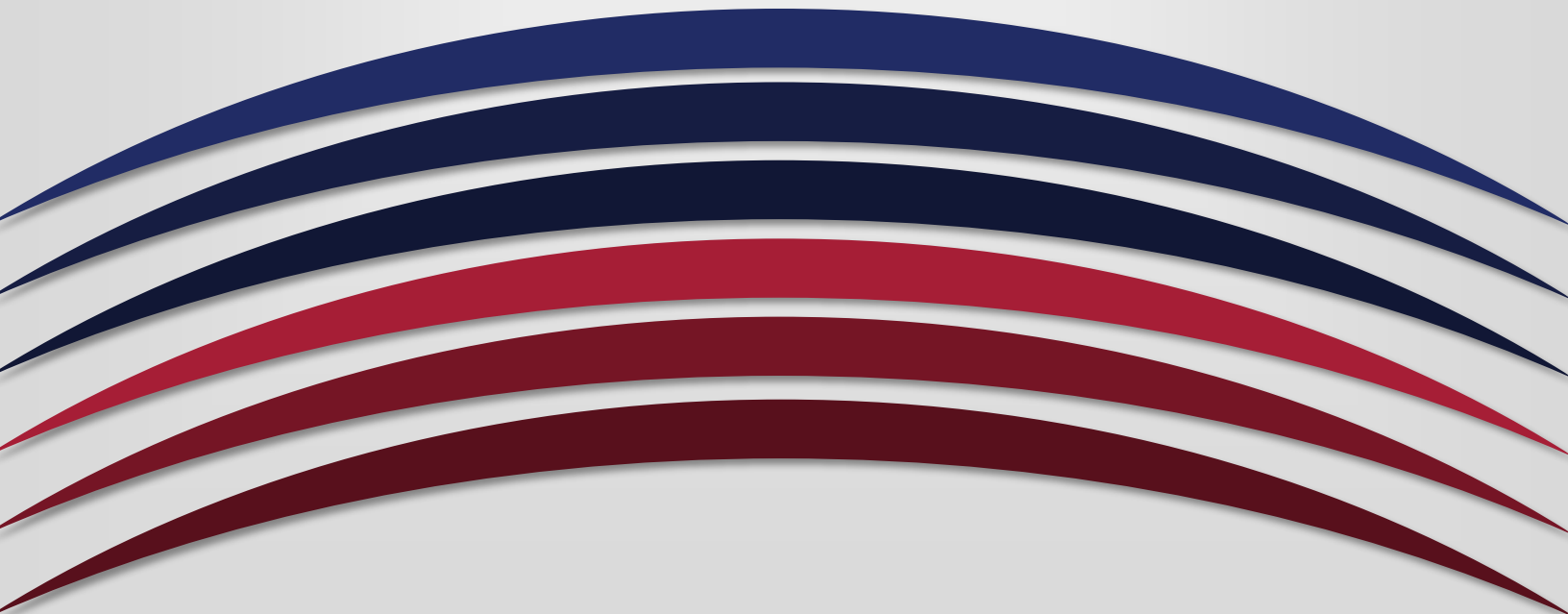




UNIVERSITY OF ARKANSAS  
**PULASKI TECH**

**Assessment Report:**  
**2019-2020:**  
**(BIOL 1105 Human Anatomy and**  
**Physiology II Laboratory)**



## Course-Level Learning Outcomes-

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

CLO 1. Transport systems of the human body

The student will explain, describe, discuss, recognize, and/or apply knowledge and understanding of the endocrine system, blood, cardiovascular system, lymphatic system, and immunity.

CLO 2. Respiratory System

The student will explain, describe, discuss, recognize, and/or apply knowledge and understanding of the respiratory system and acid/base balance

CLO 3. Absorption and Elimination

The student will explain, discuss, recognize, and/or apply knowledge and understanding of absorption and elimination in the human body, with emphasis on the digestive and 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 the microscope, lab equipment and lab techniques.

### 2. Which CLOs were addressed for this academic year? (2019-2020)

CLO. 1 Transport systems of the human body.

CLO. 5 Lab

### 3. Which CLOs are being addressed in your assessment plan next academic year? (2020-2021)

CLO. 1 Transport systems of the human body.

CLO 3. Absorption and Elimination

CLO 4. Reproductive System

CLO 5. Lab - Assessment will not be completed during Fall 2020 as classes are likely to pivot to remote learning before all student could completed assessment. The hope is to complete the assessment again during the Spring 2021 semester.

#### 4. Explain the assessment cycle.

Standard assessments were conducted for CLOs 1 and 5 for the Spring 2020 semester. Lead instructor changed after Fall 2019 so data is not available for the Fall semester.

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

CLO 1. Transport systems of the human body: Direct

Standardized Blood Vessel quiz- Students are asked to identify and label selected blood vessels on a diagram. Given as a written quiz with a ten-minute time limit and no word bank.

CLO 5. Lab: Direct

Assessment method of microscopy skills. Students will demonstrate microscopy skills in order to locate and identify designated tissues/cell structures within 3 minutes. Common grading rubric (checklist) will be used to assess proficiency.

#### 6. What are the assessment goal(s)?

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+%

CLO 5. Lab – Goal will be met with 80% of all combined Anatomy and Physiology II lab sections passing at 80+%. (Higher goal because students have already learned these skills in AP I)

#### 7. What were the findings for this academic year? (2018-2019)

<b>CLO 1. Transport Systems of the human body</b> <b>Assessment Method:</b> Blood Vessel labeling quiz	<b>Spring 2020</b>
% of Traditional Students who passed with a score of 70+%	59%
# of Traditional Students Assessed	129
# of Traditional Students Who Successfully Completed Assessment with a score of 70+%	76
Online Students Assessed	N/A
Hybrid Students Assessed	N/A

<b>CLO 5. Lab</b> <b>Assessment Method:</b> Microscope Practical	<b>Spring 2020</b>
% of Traditional Students who passed with a score of 80+%	86%
# of Traditional Students Assessed	138
# of Traditional Students Who Successfully Completed Assessment with a score of 80+%	119
Online Students Assessed	N/A
Hybrid Students Assessed	N/A

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

Spring 2020-

CLO 1. Transport systems of the human body

Only 8 of 13 sections reported data for this assessment, some sections may not have completed the assessment due to the pivot to remote learning as a result of COVID-19. Low pass rate suggestions students have a hard time with memorization and labeling of structures, however one semester of data is not enough for conclusive findings.

CLO 5. Lab

Only 8 of 13 sections reported data for this assessment, some sections may not have completed the assessment due to the pivot to remote learning as a result of COVID-19. The high pass rate is not surprising as AP I is a prerequisite for APII and students are given the same assessment in AP I. Many students enrolled in APII have also completed or are currently taking Microbiology where this assessment is given as well. By the time students reach AP II most have a good understanding of basic microscope care and use.

## 9. What is the action plan for the next academic year? (2020-2021) Explain.

### Fall 2020

#### CLO 1. Transport systems of the body.

Continue to use standard blood vessel labeling quiz for all sections of AP II lab, however test will now be administered online through blackboard due to COVID-19 and the likelihood of another pivot to remote learning.

#### CLO 3. Absorption and Elimination.

A standard labeling quiz will be created for all sections of AP II lab, asking students to identify different parts of the urinary system. The quiz will be administered through blackboard due to COVID-19 and the likelihood of another pivot to remote learning.

#### CLO 4. Reproductive system.

A standard labeling quiz will be created for all sections of AP II lab, asking students to identify different parts of both the male and female reproductive systems. The quiz will be administered through blackboard due to COVID-19 and the likelihood of another pivot to remote learning.

#### CLO 5. Lab

The microscope assessment will not be given during the fall semester due to safety concerns for social distancing and the likelihood of another pivot to remote learning before all assessments can be completed.

Anatomy instructors will meet after fall semester to discuss data and make any adjustments to assessments before Spring 2021.

### Spring 2021 (including any changes discussed in faculty meeting)

#### CLO 1. Transport systems of the body.

Continue to use standard blood vessel labeling quiz for all sections of AP II lab. The hope is to be able to administer as a written exam in the laboratory setting. If this is still not possible due to COVID-19 we will continue with an online assessment.

#### CLO 3. Absorption and Elimination.

Continue to use standard urinary system labeling quiz for all sections of AP II lab. The hope is to be able to administer as a written exam in the laboratory setting. If this is still not possible due to COVID-19 we will continue with an online assessment.

#### CLO 4. Reproductive system.

Continue to use standard reproductive system labeling quiz for all sections of AP II lab. The hope is to be able to administer as a written exam in the laboratory setting. If this is still not possible due to COVID-19 we will continue with an online assessment.

#### CLO 5. Lab

Continue administration of the microscope practical testing student's ability to properly care for and use a microscope. A standard rubric(checklist) will be used for all sections and the test will be timed.