



UNIVERSITY OF ARKANSAS
PULASKI TECH

Assessment Report:
2020-2021:
(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? (2020-2021)

CLO. 1 Transport systems of the human body.

CLO 3. Absorption and Elimination

CLO 4. Reproductive System

3. Which CLOs are being addressed in your assessment plan next academic year? (2021-2022)

CLO. 1 Transport systems of the human body.

CLO 3. Absorption and Elimination

CLO 4. Reproductive System

CLO 5. Lab – The hope is that with the return to a normal schedule we can resume use of the microscope assessment.

4. Explain the assessment cycle.

Standard assessments were conducted for CLOs 1, 3 and 4 for the Fall 2020 and Spring 2021.

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 blackboard quiz with a ten-minute time limit and no word bank.

CLO 3. Absorption and Elimination: Direct

Standardized Urinary labeling quiz- Students are asked to identify and label various parts of the urinary systems on a diagram. Given as a blackboard quiz with a ten-minute time limit and no word bank.

CLO 4. Reproductive System: Direct

Standardized Reproduction labeling quiz- Students are asked to identify and label various parts of both the male and female reproductive system on a diagram. Given as a blackboard quiz with a ten-minute time limit and no word bank.

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 3. Absorption and Elimination - Goal will be met with 70% of all combined Anatomy and Physiology II lab sections passing at 70+%

CLO 4. Reproductive systems - Goal will be met with 70% of all combined Anatomy and Physiology II lab sections passing at 70+%

7. What were the findings for this academic year? (2020-2021)

CLO 1. Transport Systems of the human body Assessment Method: Blood Vessel labeling quiz	Fall 2020
% of Traditional Students who passed with a score of 70+%	84%
# of Traditional Students Assessed	110
# of Traditional Students Who Successfully Completed Assessment with a score of 70+%	92
Online Students Assessed	N/A
Hybrid Students Assessed	N/A

CLO 1. Transport of Systems of the human body Assessment Method: Blood Vessel Labeling quiz	Spring 2021
% of Traditional Students who passed with a score of 70+%	84%
# of Traditional Students Assessed	79
# of Traditional Students Who Successfully Completed Assessment with a score of 70+%	66
% of Online Students who passed with a score of 70+%	71%
# of Online Students Assessed	92
# of Online Students who Successfully Completed Assessment with a score of 70+%	65
Hybrid Students Assessed	N/A
% of all students who passed with a score of 70+%	77%

CLO 3. Assessment Method: Urinary labeling quiz	Fall 2020
% of Traditional Students who passed with a score of 70+%	97%

# of Traditional Students Assessed	101
# of Traditional Students Who Successfully Completed Assessment with a score of 70+%	98
Online Students Assessed	N/A
Hybrid Students Assessed	N/A

CLO 3. Assessment Method: Urinary Labeling quiz	Spring 2021
% of Traditional Students who passed with a score of 70+%	76%
# of Traditional Students Assessed	82
# of Traditional Students Who Successfully Completed Assessment with a score of 70+%	62
% of Online Students who passed with a score of 70+%	71%
# of Online Students Assessed	86
# of Online Students who Successfully Completed Assessment with a score of 70+%	61
Hybrid Students Assessed	N/A
% of all students who passed with a score of 70+%	73%

CLO 4. Assessment Method: Reproductive labeling quiz	Fall 2020
% of Traditional Students who passed with a score of 70+%	98%
# of Traditional Students Assessed	97
# of Traditional Students Who Successfully Completed Assessment with a score of 70+%	95
Online Students Assessed	N/A
Hybrid Students Assessed	N/A

CLO 4. Assessment Method: Reproductive Labeling quiz	Spring 2021
% of Traditional Students who passed with a score of 70+%	99%
# of Traditional Students Assessed	82

# of Traditional Students Who Successfully Completed Assessment with a score of 70+%	81
% of Online Students who passed with a score of 70+%	98%
# of Online Students Assessed	90
# of Online Students who Successfully Completed Assessment with a score of 70+%	88
Hybrid Students Assessed	N/A
% of all students who passed with a score of 70+%	98%

8. What is your analysis of the findings?

In the fall of 2020 only 7 of 12 sections reported data for assessment, during the spring of 2021, 10 of 13 sections reported data. Spring 2021 was also the first time that fully online lab sections were offered.

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 in Anatomy and Physiology.

CLO 3 Absorption and Elimination.

Both semesters show a pass rate of over 70% for all methods of the course, so our goals were met for this learning objective. The high numbers during fall of 2020 seems a little exaggerated, but given the low number of sections reported it is hard to tell why numbers are so high. The spring semester seems more in line with how students normally perform on these assessments.

CLO 4. Reproduction

Both semesters show a pass rate of over 90% for all methods of the course, so our goals were met for this learning objective. Many students generally have a good understanding of reproductive anatomy and generally find the topic to be very interesting, this may account for such high pass rates. It could also mean that the assessment needs to be improved for rigor.

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

Fall 2021

CLO 1. Transport systems of the body.

Continue to use standard blood vessel labeling quiz for all sections of AP II lab, test will be administered in class or online depending on class format.

CLO 3. Absorption and Elimination.

Continue to use standard urinary system labeling quiz for all sections of AP II lab, test will be administered in class or online depending on class format.

CLO 4. Reproductive system.

Continue to use standard reproductive system labeling quiz for all sections of AP II lab, test will be administered in class or online depending on class format.

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.

Anatomy instructors will meet after fall semester to discuss data and make any adjustments to assessments before Spring 2022.