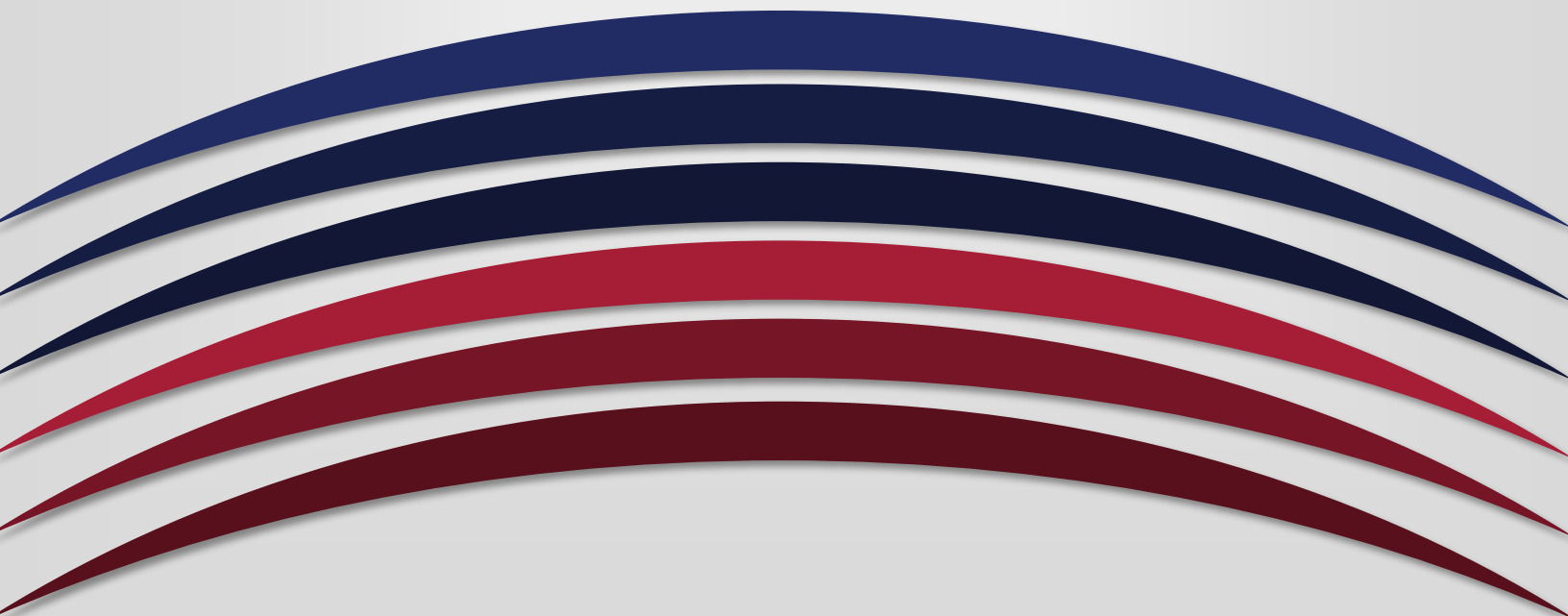




UNIVERSITY OF ARKANSAS  
PULASKI TECH

**Assessment Report:**  
**2019-2020:**  
**(CHEM 1304 Fundamental Chemistry 2**  
**Lecture)**



1. Name of individual compiling report: Dr. Michael Julian

2. Date of submission: 9/30/20

3. Is the assessment plan (*Check or highlight one*)

☐ an initial plan for the  
program

☐ a revision of an old plan

☐ unaltered from  
previous year

## Course-Level Learning Outcomes-

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

1. Students will learn to define, recognize, and apply knowledge of the major organic functional groups and organic nomenclature.
2. Students will learn to define, recognize, and make predictions of organic functional group reactions.
3. Students will learn to define, recognize, and apply knowledge of the major topics of biochemistry. These topics include carbohydrates, lipids, proteins, nucleic acids, enzymes, and metabolism.

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

CLOs 1-3

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

CLOs 1-3

### 4. Explain the assessment cycle.

During the previous spring semester, professors meet to discuss the CLOs and assessment needs for the next fall. Modifications to final exam are discussed for the fall.

At the beginning of the fall semester, faculty meet prior to the start of classes to finalize changes in the assessment methods. The results from the previous semesters final exam are addressed. The faculty then meet to discuss the results and any problems in the methods or rubrics. At the end of the semester, results from the final exam are collected and distributed.

Prior to the start of the spring semester, the faculty meet again to discuss the previous findings and address any changes that are needed.

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

The 66 question cumulative final exam is used as a direct measure of the CLOs.

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

An overall % correct of 70% for each CLO is desired.

## 7. What were the findings for this academic year? (2019-2020)

Spring of 2020: 7 students taking

CLO	% correct
1	88.5
2	70.0
3	77.7

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

The students were interrupted by the campus shutdown and switch to virtual learning. Several of these students struggled with online learning and their performance fell dramatically during the latter part of the semester when large portions of CLO 2 & 3 are explored. However, the students did an overall good job and the goals for assessment were met. This was also the first semester of this final assessment given online.

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

Spring 2021 this course will have all of its exams online. The students will hopefully be more prepared for the online and HYFLEX models of instruction. The final exam questions will not be changed as this is the second semester of collecting data since the separation of the lab from the class.