

**Chemistry 1450**  
**College Chemistry I**  
**Spring 2021**

**Instructor:** Dr. Faith Yarberry  
**Office:** Manion Annex – Rm 129  
**Phone:** 501-852-2530  
**Email:** [fyarberry@uca.edu](mailto:fyarberry@uca.edu)  
**Official Office Hours:** Monday's 10:00-11:00 am, Wednesday's 1:00-2:30 pm. Zoom link  
<https://uca-edu.zoom.us/j/82254177716?pwd=b1pJUFVFcG8rVTNTTkduURzBDVVlGZz09>

**Course Information:**

**Lecture:** MW 3:00-4:15 Synchronous Zoom address <https://uca-edu.zoom.us/j/87938097184?pwd=NkxyWWs0ck9mTmF4SFpWeVF4NVFWdz09>

**Text:** *Chemistry Structure and Properties* (2<sup>nd</sup> Ed.) by Tro

**Lab:** Labs will include a mixture of Face-to-Face interactions as well as virtual labs. To determine if a lab is Face-to-Face (F2F) or virtual, review the schedule provided on Blackboard. **Face-to-Face (F2F) Labs** – Review the A/B Grouping and Seating Chart for your lab time. **Virtual Labs** – the synchronous Zoom address is <https://uca-edu.zoom.us/j/81570540241?pwd=MUQrYUZqa1RuZlNOBFZobUJ2SWWhSUT09>

**Text:** Labs found Blackboard

CRN: 32976 – T 2:40-5:20 pm – Instructor: Dr. Faith Yarberry, TA: Brittany Story

CRN: 32977 – W 8:00-10:50 am – Instructor: Dr. Kristin Dooley, TA: Chris Emmerling

CRN: 32978 – W 11:00 am-1:50 pm – Instructor: Dr. Kristin Dooley, TA: Jesse Velasco

**Grade Distribution:**

Course Item	# Given	# Dropped	# Toward Grade	Points per Item	Total Points
Attendance	27	2	25	variable	50
Lab (EdPuzzle, Bb, Chem101)	11	1	10	25	250
Class Quizzes (Chem101)	7	1	6	10	60
Chem101 Homework (Chem101)	13	3	10	5	50
Math/Video Quizzes (EdPuzzle)	8	1	7	10	70
Tests (Chem101)	4	1	3	115	345
Final Tests (Chem101)	1	0	1	175	175
<b>Total</b>					<b>1000</b>

**Grades: A: 900 - 1000 points B: 800-899 C: 700-799 D: 600-699 F: < 600**

*The University of Central Arkansas adheres to the requirements of the Americans with Disabilities Act. If you need an accommodation under this Act due to a disability, please contact the UCA Office of Disability Services, 450-3613.*

<b>Course Description</b>	Principles of general chemistry with emphasis on their theoretical and quantitative aspects and applications.
<b>Prerequisites</b>	Prerequisite: ACT mathematics score of at least 21 or corequisite/prerequisite of MATH 1390.
<b>Materials Required</b>	Graphing Calculator Textbook (e-text is good or access the Chem101 text) Printed Laboratories (On Blackboard) Chem101 Account – Purchase from Bookstore or through Blackboard EDPuzzle Account – Free and obtained through Blackboard assignment
<b>Course Objectives</b>	<p>Upon completion of this course, the student should have gained:</p> <ul style="list-style-type: none"> <li>• The ability to use Scientific Notation and Significant Figures in Calculations.</li> <li>• The ability to correctly name and give the formulas of simple ionic and covalent molecules.</li> <li>• The confidence to perform Stoichiometric calculations involving molar mass, mole-to-mole ratios, Avogadro's number, and molarity.</li> <li>• The ability to predict the products of precipitation and acid-base neutralization reactions and understand what is occurring in solution during the reaction.</li> <li>• The knowledge necessary to work with redox reactions.</li> <li>• An understanding of how to calculate the heat of and enthalpies of reaction and their meanings.</li> <li>• An understanding of the structure of an atom of an element and its impact on the element's reactivity.</li> <li>• The ability to draw simple molecules and predict their shape, hybridization, and polarity.</li> </ul>
<b>Attendance</b>	<p>Each class meeting is important to the course development. Class begins at 3:00 pm and ends at 4:15 pm every Monday and Wednesday. Classes will be conducted via Zoom. The Zoom address: <a href="https://uca-edu.zoom.us/j/87938097184?pwd=NkxyWWs0ck9mTmF4SFpWeVF4NVFWdz09">https://uca-edu.zoom.us/j/87938097184?pwd=NkxyWWs0ck9mTmF4SFpWeVF4NVFWdz09</a> .</p> <p>Attendance will be taken. Recordings of classes will be made and uploaded to YouTube and then the YouTube link will be placed in that weeks folder in the Online Classroom of Blackboard. It is the responsibility of the student to obtain any information covered during their absence.</p> <p>Attendance in the laboratory is mandatory. If a student misses turning in more than 2 labs, the student may be dropped from the course with a D, F, or W at the discretion of the instructor.</p>

## Content Practice

There will be multiple opportunities to practice the material associated with this course. Some of the opportunities are for points while others are not.

Attendance – Synchronous lectures will consist of Chem101 questions that will allow you to practice concepts presented. There will be a question at the start, potentially one somewhere in the middle, and a question at the end of class. Failure to answer all the questions will impact your attendance grade.

Chem101 Homework – Homework will be assigned weekly and will be due on **Wednesday at 11:59 pm**. These problems will count towards your grade.

Math/Chemistry EdPuzzle Tutorials – These videos demonstrate the mathematics taught in class in a step-by-step process. The videos will be assigned at the appropriate time in the course and will count towards your grade.

Optional Homework found on Blackboard – The optional homework folder consists of homework and answer keys. Many of the questions have come from previous exams so it is recommended that you do these problems. These problems do not count towards your grade.

## Class Quizzes

Quizzes will be administered every Monday except on exam days throughout the semester on Chem101. Students will be given from 12:01 am – 11:59 pm on that Monday to log into the quiz. Once logged into the quiz, you will have a limited time to complete each quiz. The quiz will cover material discussed the previous week.

## Exams and Final

4 Chem101 exams will be administered on the dates listed in the syllabus. Students will be given from 12:01 am – 11:59 pm on that Monday to log into the test. Once logged into the test, you will have a limited time to complete the test. The test will cover material discussed since the last test.

The final will be available from Monday, May 3<sup>rd</sup> at 8:00 am and will close on Friday, May 7<sup>th</sup> at 3:00 pm. Once you have logged into the exam you will have a limited time to complete the exam. The final will be comprehensive over all of the material covered throughout the semester.

Plan your schedule accordingly because make-up exams will NOT be offered. Missed exams will be dropped up to the allotted number. If you have any issues regarding an exam, email your instructor immediately.

## Official Office Hours

<https://uca-edu.zoom.us/j/82254177716?pwd=b1pJUFVFdG8rVTNTTkduURzBDVVlGZz09>  
This time is specifically set aside for you to ask me questions and receive help on course material. It is a great time to ask pre-lab and post-lab questions. Use this time! **If you cannot make the scheduled times, email me to make other arrangements with me. I have other times available for 1-on-1 sessions.**

## General Information:

### Academic Integrity

The University of Central Arkansas affirms its commitment to academic integrity and expects all members of the university community to accept shared responsibility for maintaining academic integrity. Students in this course are subject to the provisions of the university's Academic Integrity Policy, approved by the Board of Trustees as Board Policy No. 709 on February 10, 2010, and published in the Student Handbook. Penalties for academic misconduct in this course may include a failing grade on an assignment, a failing grade in the course, or any other course-related sanction the instructor determines to be appropriate. Continued enrollment in this course affirms a student's acceptance of this university policy.

**The penalty for academic dishonesty on a test in this course is that the student will receive a zero for that exam and the exam grade will be counted into their final average. It does not matter when I find out about the cheating.**

### Emergency Procedures Summary

An Emergency Procedures Summary (EPS) for the building in which this class is held will be discussed during the first week of this course. EPS documents for most buildings on campus are available at <http://uca.edu/mysafety/bep/>. Every student should be familiar with emergency procedures for any campus building in which he/she spends time for classes or other purposes.

### Title IX Disclosure

If a student discloses an act of sexual harassment, discrimination, assault, or other sexual misconduct to a faculty member (as it relates to “student-on-student” or “employee-on-student”), the faculty member is encouraged to report the act to the Title IX coordinator, deputy coordinator, or employee with the authority to institute corrective measures on behalf of the University. An investigation of a formal complaint of Title IX Sexual Harassment will only be initiated when the Complainant (individual who suffers actual harm from the violation of the Title IX Sexual Harassment Policy) or the Title IX Coordinator signs a complaint. For further information, please visit: <https://uca.edu/titleix/>.

*\*Disclosure of sexual misconduct by a third party who is not a student and/or employee is also encouraged if the misconduct occurs when the third party is a participant in a university-sponsored program, event, or activity.*

### Other Policies

Information concerning University Academic Policies (such as the Sexual Harassment Policy and Academic Policies) can be found in the Student Handbook. Students should familiarize themselves with all policies listed in the Student Handbook at <http://uca.edu/ubulletin2015/general-policies-information> .