

HOURS Lecture- M, W, F: 11:00-11:50 am. Laboratory- M: 2-5 pm, F: 1-4 pm
Office hours: Right after class. I know this time will not work for everyone, so let me know to set an appointment.

TEXTBOOK: . *Chemistry: A Molecular Approach, 3rd Edition* by Tro.

****Calculators** are required for this course and any calculator with addition, subtraction, multiplication, division, exponential and log functions will be satisfactory.

COURSE DESCRIPTION: CHEM 1450 is designed for majors in the natural sciences. Chemical phenomena related to daily life, industry, and commerce are emphasized. Students are expected to read and write critically, think analytically, and assess information in appropriate ways to reach informed conclusions. The course covers topics such as compounds, reactions, stoichiometry, basic thermodynamics, and atomic and molecular structure. Laboratory activities demonstrate and amplify selected lecture concepts.

IMPORTANT: College Chemistry I (CHEM 1450) carries the Prerequisite: ACT mathematics score of at least 21 or corequisite/prerequisite of MATH 1390. The UCA Chemistry Department expects you to have passed high school chemistry or its equivalent, and to have a working knowledge of basic chemical concepts, their applications, and associated mathematical manipulations. In relation to this, the UCA Chemistry Department faculty has compiled a list-- Basic Concepts and Skills in Chemistry Expected of Students Entering Chemistry 1450 -- which summarizes those skills that a student entering CHEM 1450 should already be familiar with to successfully complete the course. This list is posted on the course web site. Although the concepts and skills on that list are covered briefly in CHEM 1450, we will not spend much class time on them. Rather, we expect you to already know them and how to apply them.

GRADING: A - 88% B - 78% C - 69% D - 60% F <60%

	Points
4-5 Examinations @~100	450
Quizzes/homework	50
10 labs @ 20 each	200
Comprehensive Final Exam	100
Total	800

*Point total are approximate and may change by the end of the course.

It is recommended that each student keep track of his/her grade as the course progresses. I am more than willing to discuss individual grades and overall class performance with any student so long as that student has already calculated their average before the discussion. Overall grades or performance on individual labs, tests, or quizzes can only be discussed outside of the established class and laboratory periods.

CELL PHONES: Please place your phones on silent mode. If I see you using your phone during class, I can only assume you are not interested in learning the material.

ATTENDANCE:

There is a high correlation between success and near perfect attendance in a college chemistry course. Any student who shows up late for a quiz, exam, or lab without a documented excuse will not be permitted any extra time to complete the assigned work. This means, for example, that if an exam is scheduled to be fifty minutes long and a student shows up fifteen minutes late, that student will only have the remaining thirty-five minutes to complete the exam.

PROBLEM ASSIGNMENTS AND QUIZZES:

Problems are assigned for practice in learning the concepts dealt with in each chapter. To encourage effort on the homework assignments, a few of the homework assignments will be collected and graded. There might be a few online homework assignments for a grade. Homework assignments should be completed the day after a chapter completed. Students generally will not perform well on exams without doing a sufficient number of practice problems.

Note: A chapter is open for a quiz the next lecture period after that chapter is completed.

LABORATORY EXPECTATIONS AND SAFETY:

Each lab comes with a pre-laboratory assignment that might be collected at the beginning of each lab. Obviously, you are expected to complete this assignment before the appropriate laboratory session. Your lab grade depends on it!

OPEN TOED SHOES ARE STRICTLY FORBIDDEN IN THE LABORATORY. LAB GOGGLES ARE REQUIRED FOR ALL STUDENTS AND ARE TO BE WORN ANY TIME CHEMICALS OR EQUIPMENT ARE/IS BEING USED IN THE LAB. *Lab goggles will be made available for ~\$6 from are the UCA student chapter of the American Chemical Society (ACS).* Smoking, food, and drinks are NOT allowed in the lab.

LABORATORY SAFETY AGREEMENT INSTRUCTIONS

- 1) Go to the <http://uca.edu/chemistry/safety-agreements/>
- 2) Click Safety agreement for Dr. Donald Perry
- 3) Read the rules, fill out the form, and submit

****This form must be completed by 8:00 am on August 25th or you will not be allowed to participate in laboratories the first week.**

******Copying homework, laboratory assignments or test questions directly from other students is considered cheating. Furthermore, finding answers to questions on the internet/elsewhere or copying of the instructor's solution manual is a form of plagiarism. It is considered cheating to store 'extra' information in calculators or cell phones. CELL PHONE US IS NOT ALLOWED DURING EXAMS!! A grade of 'zero' will be bestowed toward the suspected work in any of the above circumstances.***

DROPPING THE COURSE: If you drop this course, you must officially do so through the Registrar's Office in sufficient time to avoid an automatic grade of 'F' for the course assigned by the Registrar.

Required University policies:

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 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 Support Services, 450-3613.

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.

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 cannot maintain complete confidentiality and is required to report the act and may be required to reveal the names of the parties involved. Any allegations made by a student may or may not trigger an investigation. Each situation differs and the obligation to conduct an investigation will depend on those specific set of circumstances. The determination to conduct an investigation will be made by the Title IX Coordinator. 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 required if the misconduct occurs when the third party is a participant in a university-sponsored program, event, or activity.*

It is the responsibility of students to familiarize themselves with all policies in the *Student Handbook* including academic and sexual harassment policies.