

General Chemistry for Health Sciences

Chem 1402

Spring 2021

Mon & Wed 3:00 – 4:15pm

BlackBoard Collaborate Ultra

AC Baldwin, PhD

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Office: Manion Annex 124

(501) 852-2617

What we'll achieve:

- A working knowledge of chemistry that will enable us to hold informed conversations with doctors, mechanics, or the occasional research scientist.
- A chemistry knowledge that provides the necessary foundation for success in other classes, in graduate school, in the chemical industry, in professional schools, *i.e.* for our future.
- An understanding of the interdisciplinary nature of chemistry and an ability to employ our growing knowledge of mathematics, physics, and other disciplines to solve chemical problems.



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How we'll do it:

- Show up!
- You're going to take advantage of me, our book, our lectures, our laboratories, our tutors, and the wealth of additional resources available to you as a UCA student.
 - *Office hours & study sections*
- We're gonna' make mistakes, and we're going to learn from them!
- We will ask for help and it will be provided. We must seek help, it rarely comes to us.
- Ask questions! Tell me to slow down, ask me to say it again, to explain it another way.
- The harder we work, the luckier we become.
- Practice, practice, practice.
- Through quizzes, Mastering Chemistry, lab work, and exams

Grading

Your overall course grade will be based on performance in two areas:
lecture and laboratory.

	Points Each	Opportunities	Points Possible	Percentage of Total
Mastering Chemistry Assignments	20	10	200	20%
Quizzes	10	9	80	8%
PreLab Assignments	10	10	100	10%
Lab Assignments	20	10	180	18%
Exams	100	4	300	30%
Final Exam	150	1	150	15%
			1010	

These numbers are approximate. Additional opportunity may alter this table slightly. Letter grading is calculated by dividing the total points accumulated by the total points possible.

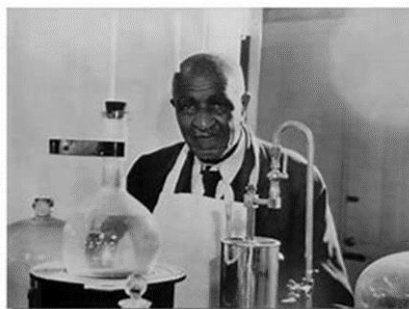
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- Your lowest lab assignment, quiz, and hour exam will be dropped. Final exams will not be dropped. However, your final exam score, may be duplicated to replace one of your regular hour exam scores.
- Each PreLab assignment is due by midnight the night before your laboratory period begins. Each Lab Assignment is due before the end of the following Wednesday. Assignments turned in by postal mail or email will be considered delivered on the posted time and date.
- I answer emails promptly, but only during regular business hours, i.e. 9-5pm Monday through Friday.
- Late work is never accepted. Due dates are final. A missed lab, quiz, or exam will be dropped as your lowest score.
- You must submit assignments in the manner requested and follow the directions concerning quizzes, exams, and assignments. Failure to follow directions may result in a zero or significant loss in points.
- Life happens. Let me know when unexpected or unusual circumstances present themselves. We can make arrangements. Exceptions to our course schedule must be approved beforehand.

90 to 100%	A
80 to 89%	B
70 to 79%	C
60 to 69%	D



Our grades are available online through Blackboard. I recommend saving all graded assignments until final grades are posted. I do make mistakes, any discrepancies should be brought to my attention ASAP.

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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.

Disabilities Statement

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 Disability Resource Center, 450-3613.

Building Emergency Plan

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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 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 the 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*

Student Handbook Policies

You are encouraged to familiarize yourself with student policies described in the student handbook. In particular, carefully read and understand those policies pertaining to academic issues and sexual harassment.

Course Evaluations

Evaluations are kept completely confidential. Your thoughtful feedback is highly valued and cannot negatively or positively affect your course grade. Over the years this information has changed and improved the instruction of this course.

Student evaluations of a course and its professor are a crucial element in helping faculty achieve excellence in the classroom and the institution in demonstrating that students are gaining knowledge. Students may evaluate courses they are taking starting on the Monday of the thirteenth week of instruction through the end of finals week by logging in to myUCA and clicking on the Course Evaluations Task.

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	Date	Laboratory	Reading / Exams	Assignment Due Dates
Unit #1	20-Jan		1.1 - 1.5	
	25-Jan	Detecting Signs of Chemical Change	1.6 - 1.7, & 1.10	
	27-Jan		1.11 - 1.12	Quiz #1 & Lab #1
	1-Feb	Conversions, Specific Heat, & Density	2.1 - 2.3	HW Ch1
	3-Feb		2.4 - 2.5, 2.9	Quiz #2 & Lab #2
	8-Feb	Dosage Measurement	3.1 - 3.4	HW Ch2
	10-Feb		3.5 - 3.10	Quiz #3 & Lab #3
15-Feb	EXAM #1		HW Ch3	
Unit #2	17-Feb		4.1 - 4.3 & 4.6 - 4.7	
	22-Feb	Lewis Structures	4.8 - 4.11	HW Ch4
	24-Feb		5.1 - 5.2	Quiz #4 & Lab #4
	1-Mar	Balancing Chemical Equations	5.3 - 5.6	HW Ch5
	3-Mar		6.1 - 6.4	Quiz #5 & Lab #5
	8-Mar	Mole Calculations	6.1 - 6.4	
	10-Mar		6.5	Quiz #6 & Lab #6
15-Mar	EXAM #2		HW Ch6	
Unit #3	17-Mar		7.1 - 7.3	
	22-Mar	Spring Break		
	24-Mar			
	29-Mar	Enthalpy	7.4 - 7.6	
	31-Mar		7.7 - 7.9	Quiz #7 & Lab #7
5-Apr	Chromatography	8.1 - 8.2, 8.4 - 8.9	HW Ch7	
7-Apr		8.10 - 8.14	Quiz #8 & Lab #8	
12-Apr		EXAM #3	HW Ch8	
Unit #4	14-Apr		9.1 - 9.6	
	19-Apr	Titration	9.7 - 9.8 & 9.10	HW Ch9
	21-Apr		10.1 - 10.2	Quiz #9 & Lab #9
	26-Apr	Blood Buffer	10.3 - 10.6 & 10.10 - 10.11	
	28-Apr		EXAM #4	HW Ch10
5-May	Review for Final		Lab #10	
	7-May	Final Exam 1-3pm		

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Disclaimer: This schedule is a guide for the semester. I reserve the right to amend our schedule as necessary.

