

Chem 1402: General Chemistry for Health Sciences

Instructor: Dr. Bryce Marquis

Office: Laney Hall 201B

E-mail: bmarquis@uca.edu

Phone: [501-450-5940](tel:501-450-5940)

Meeting Times	<i>Lecture: MWF 8AM-8:50AM Lab: F 12PM-1:50PM Lab: F 2PM-3:50PM</i>	<i>Lecture: MWF 11AM-11:50AM Lab: M 12PM-1:50PM</i>
Office Hours	<i>MWF 9:00AM-11:00AM or by appointment TR by appointment</i>	
Textbook	<i>Fundamentals of General, Organic, and Biological Chemistry, 7th edition Sapling Learning Online</i>	
Required Materials	Lab Safety Goggles (Rated ANSI Z.87, available at the beginning of the course for \$6) Sapling Learning Online Homework (see below for details) A calculator for exams (cell phone may not be used during exams!)	
Course Description	This study of chemistry is part of a two semester series intended to provide students with a strong foundation in the principles of general, organic and biological chemistry as need to understand the biochemistry, physiology and pharmacology of the human body. This course is intended for students majoring in nursing, nutrition or other health related fields.	
Course Objectives	By the end of this course, students should be able to: <ul style="list-style-type: none">● Consolidate and build upon previous knowledge of chemical vocabulary in order to read, write, and talk about chemistry.● Make applications of chemistry to everyday life● Quantitatively describe chemical reactions by solving chemistry problems.● Visualize and describe the atom using modern atomic theory.	
Technology	Course Blackboard Site: Log into your my.uca.edu page to access and bookmark the course's blackboard site. We will use this site heavily for communication, distribution of classroom materials and submission of assignments. <u><i>The site and calendar will be updated regularly so check it often!</i></u> Mobile Technology: This class will use mobile technology if you do not have access to a web enabled mobile device (tablet or smartphone), please let me know quickly so we can make arrangements. Exit Ticket: Is a free course response system that will be used for graded and non- graded portions of the course. If you have not done so already, it is highly recommended that you configure your mobile device to access the wifi in the classroom to ensure you are connected in the classroom. During class you will enter the online session by navigating in your device's web browser to: exittix.com To register: go to exittix.com and the following class code: If you are in the 8AM lecture: wsd9857700 If you are in the 11AM lecture: xxv433935 Please register using your name and e-mail address as it appears in Blackboard.	

Grading

Exams (4 @ 100 pts)	400 pts	40%
Final Exam	200 pts	20%
Lab/Group Work	120 pts	12%
Assignments	100 pts	10%
Weekly Quizzes (11 @ 10 pts) <i>drop lowest score</i>		10%
Daily Quizzes (2 pts each)	50 pts	5%
Participation	30 pts	3%

Please see blackboard site for updated point and totals.

Attendance

Attendance is required for this course. This will be directly accounted for through daily quizzes which you will only be able complete in class.

Academic Misconduct

UCA's academic integrity policy is of the utmost importance to maintaining the strength and vitality of our learning community. Copying (even from lab partners) plagiarism and other forms of academic dishonesty will result in a penalty from zero on the assignment to complete dismissal with a failing graded.

Exams

There will be three exams throughout the course. Exams will be designed to be 1 hour long but will be taken during the 2-hour lab periods to ensure students are not rushed to complete the exam. Since much of the material of the course builds on previous material, every exam will be cumulative. Please check the course calendar for exam scheduling.

Lab Participation

Chemistry is an experimental science. You will work with a partner in lab during "wet labs" and each lab partner is expected contribute actively to the experiment. Passive observation is not an acceptable form of participation.

A significant portion of our lab schedule will be devoted to a learning technique called Process Oriented Guided Inquiry Learning (POGIL). The general approach for POGIL activities is (a) the presentation of a model, (b) the exploration of that model, leading to (c) concept invention or development, and followed by (d) application. A number of pedagogical studies have found that many students benefit from these types of exercises.

In the POGIL exercises, you will work as a team each with a defined role. More about these activities will be discussed in lab. Every student will be expected to participate to the best of their abilities and a portion of each student's grade in these exercises will come from peer evaluations.

Lab/ Groupwork Deadlines

Lab and POGIL worksheets are generally due at the end of each two hour lab period. Each partner is responsible for turning in her or his own lab worksheet for wet labs. However each group will only be required to turn in one worksheet for POGIL exercises.

Quizzes	<p>There will be two types of quizzes in the class.</p> <p>(1) Daily “Launch” quizzes (5%) which will be conducted briefly in the first few minutes of class via gosoapbox.com</p> <p>(2) Weekly quizzes (10%) which are designed to ensure that students are keeping up with material between exams, and will be held on Friday of each week that we are not having an exam.</p>
Graded Assignments	<p>Weekly homework assignments will be distributed via Sapling learning. Please see Sapling site and Blackboard for a link to register. These assignments will be due the evening prior to a weekly quiz and are a good resource for quiz preparation.</p> <p>Instructions on registering for Sapling Learning can be found at the following link: http://bit.do/sapling</p>
Participation	<p>Student participation is critical to constructing a positive learning environment in and outside of the classroom. Student participation will include:</p> <ul style="list-style-type: none"> -Participation in interactive portions of the course (i.e. gosoapbox.com) -Contribution to classroom discussions -<u>Peer evaluations in group work</u> -General preparedness for class
Late Work	<p>Work turned in a day late will suffer a 20% penalty, and then an additional 10% penalty for each day thereafter. If you need to make arrangements to turn in work late, please contact me before the due date to make arrangements.</p>
Make Up	<p><u>There will be no make up opportunities for missed exams or labs.</u></p>
Title IX Disclosure	<p>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. <i>*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.</i></p>
ADA Statement	<p>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.</p>
Building Emergency Plan	<p>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.</p>