



CHEM 1130 – Integrated Chemistry for Health Sciences

Fall Semester 2019

MWF, 9:40 – 10:30 AM, HEB 2008

Instructor: Thomas G. Richmond, Professor of Chemistry
Email: T.Richmond@utah.edu
Phone: 801-581-7487
Office Hours: MWF, 10:45 AM – 12:15 PM; you are welcome to stop by my office anytime.
Office: TBBC 2404 (Thatcher Building for Biological and Biophysical Chemistry) 2404
Admin: cassie.denison@utah.edu, 801-581-8126, GH 1473 (*Gauss Haus*)

Required Materials

Frost & Deal, General, Organic, and Biological CHEMISTRY (Concise, Practical, Integrated) 4th Edition, Pearson. E-Access through CANVAS

NOTE: You have already paid for these electronic resources as part of the course fee!

Laboratory/Discussion Sections are required and listed in the course schedule.

Lab Manual: “A Laboratory Guide for Elementary Chemistry,” will be posted on CANVAS

A lab coat, safety glasses, and combination lock are required for the lab; you can purchase the first two items at a discount from the Student ACS Chemistry Club in the HEB lobby.

You will also need a calculator capable of handling scientific notation and log/exponential functions.

Discussion sections and labs will start the week of August 26.

Course Description

Chemistry 1130 is a broad introduction to chemistry primarily for students in nursing and the allied health fields. CHEM 1130 satisfies the University General Education criteria as a Science Foundation (SF) course. Note that Math 1010 (Intermediate Algebra) or equivalent is a prerequisite.

The final course grade will be based on the following (Grade Estimates Will Be Posted on Canvas):

		Class Participation	Attendance will be Taken	30 points	
		Meet Sir Martyn	Online Submission	14 points	
	Exam 1	Monday, September 9	Chapters 1 – 3	60 points	
	Exam 2	Friday, October 4	Chapters 4 – 6	60 points	
	Exam 3	Monday, November 18	Chapters 7 – 10	60 points	
	Exam 4	Wednesday, December 4	Chapters 1 – 11	60 points	
		MC Online Learning	Online Reading/Homework	120 points	
		Capstone Problem Set	Online Submission	16 points	
	<i>Lab</i>	<i>A >90%, B >80%, C >70%</i>	Total Possible	420 points	

ANY INSTANCE OF ACADEMIC DISHONESTY MAY RESULT IN A GRADE OF E FOR THE COURSE

Lab points will *not* be explicitly added to exam points to determine the final grade. However, to pass the course you must complete the labs. For a grade of C you must earn more than 70% of the lab points, to qualify for a grade of B you must earn 80% of the lab points, and to qualify for an A you must earn more than 90% of the lab points. The first portion of the laboratory period will be devoted to group work/problem solving session. The four midterm exams will be held in our regular classroom on the days indicated. If you are physically unable to take an exam due to illness, you must contact me by E-mail (T.Richmond@utah.edu) prior to the exam to schedule a make-up exam.

We will not use the University Scheduled Final Exam period for this class. We will be using an electronic homework system (MyLab/Mastering Chemistry) so it is necessary that you have a good internet connection or complete those assignments on campus and become proficient working with Canvas and related electronic resources.

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This syllabus is meant to serve as an outline and guide for our course. Please note that I may modify it with reasonable notice to you. I may also modify the Course Schedule to accommodate the needs of our class. Any changes will be announced in class and posted on Canvas under Announcements.

Chemistry is a challenging subject but also key foundational material for the academic and career path you have chosen in the broad landscape of the health care professions. This course will focus on the molecular basis of life building up from the ultra-small components of the atom to large biological assemblies. Somehow we will accomplish this in one semester! The key to success in chemistry is learning to solve problems – both quantitative and conceptual.

You will also need to build communication skills, which are of course important when you interact with patients and peers in a medical setting, to articulate complex concepts that can be brought to bear on a problem of interest. Some of this learning will take place in the laboratory guided by your teaching assistant and a learning assistant. In order to enhance your success in the course, each of these individuals will help facilitate a peer-mentor study group outside of regular class time. We will arrange a menu of times for these groups but you **MUST COMMIT** to **PARTICIPATE** for the entire semester. By working with others, you will build a cohort committed to success in the course.

Policy 6-400: The Code of Student Rights and Responsibilities will be followed in this course.
<http://regulations.utah.edu/academics/6-400.php>

Key University Policies

- 1. *The Americans with Disabilities Act.*** The University of Utah seeks to provide equal access to its programs, services, and activities for people with disabilities. If you will need accommodations in this class, reasonable prior notice needs to be given to the Center for Disability Services, 162 Olpin Union Building, (801) 581-5020. CDS will work with you and the instructor to make arrangements for accommodations. All written information in this course can be made available in an alternative format with prior notification to the Center for Disability Services.
- 2. *University Safety Statement.*** The University of Utah values the safety of all campus community members. To report suspicious activity or to request a courtesy escort, call campus police at 801-585-COPS (801-585-2677). You will receive important emergency alerts and safety messages regarding campus safety via text message. For more information regarding safety and to view available training resources, including helpful videos, visit safeu.utah.edu.
- 3. *Addressing Sexual Misconduct.*** Title IX makes it clear that violence and harassment based on sex and gender (which includes sexual orientation and gender identity/expression) is a civil rights offense subject to the same kinds of accountability and the same kinds of support applied to offenses against other protected categories such as race, national origin, color, religion, age, status as a person with a disability, veteran's status or genetic information. If you or someone you know has been harassed or assaulted, you are encouraged to report it to the Title IX Coordinator in the Office of Equal Opportunity and Affirmative Action, 135 Park Building, 801-581-8365, or the Office of the Dean of Students, 270 Union Building, 801-581-7066. For support and confidential consultation, contact the Center for Student Wellness, 426 SSB, 801-581-7776. To report to the police, contact the Department of Public Safety, 801-585-2677(COPS).
- 4. *Wellness Statement.*** Personal concerns such as stress, anxiety, relationship difficulties, depression, cross-cultural differences, and other life issues can interfere with a student's ability to succeed and thrive at the University of Utah. For helpful resources contact the Center for Student Wellness at www.wellness.utah.edu or call 801-581-7776.

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Course ID:

Available when course is ready

Course Type:

Student Course

Description:

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Course Dates:

Aug 08, 2019 to Dec 31, 2019 Aug 08 – Dec 31, 2019

Reference Number:

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