

**Course Number and Title: Chemistry 1130: Integrated Chemistry for Health Sciences**  
**Semester and Year: Fall 2020**

**Instructor:** Dr. Thomas G. Richmond, Professor of Chemistry

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**Zoom Handle:** <https://utah.zoom.us/j/2370736816>

**Office:** TBBC 2404

**Phone:** 801-581-7487 – Please Leave a message !

**Accessibility & Support:** E-mail is the best way to contact me: [T.Richmond@utah.edu](mailto:T.Richmond@utah.edu)

Normal response time will be less than 12 hours.

#### COURSE DESCRIPTION

This course is designed to introduce students to the essentials of chemistry that serve as a foundation for students interested in the health science professions, in particular nursing. Although a high school course in chemistry is undeniably helpful as background for this course, the enforced pre-requisite is a basic course in algebra such as Math 1010. This 5-credit course is a self-contained introduction to key topics in General, Organic and Biological Chemistry that meets the Science Foundation (SF) designation and includes a weekly (virtual) laboratory experience.

#### COURSE DETAILS

- **Course Type:** *Hybrid (asynchronous online + in-person).*
- **Location & Meeting Times:** Students will meet in person on M (Section 011), W (Section 012) or F (Section 013) in HEB 2008 with appropriate social distancing and assigned seating to discuss selected topics from lecture and lab. For students who are unable to attend, a video record of one of these sessions will be posted on canvas. All other course material will be available through Canvas in an asynchronous mode with due dates for electronic submission listed on the course schedule. These classes will NOT meet during the mandatory fully online portions of the semester: September 28 – October 9; November 23 – December 3 (includes Thanksgiving Day Holiday). Labor Day (Monday, September 7 is also a University Holiday.)
- **Recommended In-Person Attendance** In-Person Attendance is strongly encouraged but not required. Students will meet in person on M (Section 011), W (Section 012) or F (Section 013) in HEB 2008 with appropriate social distancing and assigned seating to discuss selected topics from lecture and lab. Students may elect not to attend class in-person with no penalty and do not need to seek an official accommodation to participate online, rather than in-person. Please do not come to class if you are experiencing COVID-19 symptoms. Remember to maintain social distancing at all times.
- **COVID-19 Considerations:** Students must self-report if they test positive for COVID-19 via [coronavirus.utah.edu](https://coronavirus.utah.edu).
  - Please do not come to class if you are experiencing COVID-19 symptoms. Remember to maintain social distancing at all times. Face coverings are required for students and faculty. Based on CDC guidelines, the university requires everyone to wear face coverings in shared public spaces on campus, including our classroom. As a reminder, when I wear a face covering, I am protecting you. When you wear a face covering, you are protecting me and all of your classmates. If you forget your face covering, I will ask you to leave class to retrieve it. If you repeatedly fail to wear a face covering in class, I will refer you to the Dean of Students for a possible violation of the Student Code. Note that some students may qualify for accommodations through the Americans with Disabilities Act (ADA). If you think you meet these criteria and desire an exception to the face covering policy, contact the [Center for Disability and Access \(CDA\)](#). Accommodations should be obtained prior to the first day of class so that I am notified by CDA of any students who are not required to wear a face covering.

**Instructional Support Team:** We are fortunate to have a talented group of teaching assistants assigned to work with each of the three course sections. Teaching Assistants will schedule problem solving and lab consultation Zoom meeting with their sections. There will also be additional supplemental instruction (SI) sessions led by a former student from this course. Details and contact information will be posted on Canvas.

**Course Materials (All Students are enrolled in Section 010 which is fully online – no in person meeting):**

**Textbook:** Frost & Deal, General, Organic, and Biological CHEMISTRY (Concise, Practical, Integrated) 4<sup>th</sup> Edition, Pearson. E-Access through the bookshelf tab on CANVAS (Do NOT sign up for trial access!)

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

**Additional course materials:** *The Beyond Labz virtual lab program will be supplied by the Chemistry Department. You will not need a lab coat or safety glasses but will have the chance to see some “live” chemistry as demonstrations in the in-person component of the class.*

**Technical requirements:** *“Students are expected to be computer literate and Canvas and zoom navigation skills are expected. Reliable access to the internet is essential. Knowledge and navigation of canvas and zoom is critical to access all features and resources of this course.)*

*“For technical assistance, review the [Canvas Getting Started Guide for Students](#) and/or contact TLT, Knowledge Commons, etc..”*

**Syllabus subject to change:** 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 posted on Canvas.

#### COURSE DESIGN

The following resources will be available for learning and study. Point totals will be recorded on Canvas and estimated grade breakdowns will also be updated on Canvas throughout the semester.

E-text by Frost and Deal available on the bookshelf tab in Canvas. Reading is essential for learning.

MyLab/Mastering Chemistry system available on Canvas. Weekly problem sets due Tuesday nights (11:59 PM).

You will create and solve two problems related to the course material in each chapter and upload to canvas due Thursday nights (11:59 PM).

Lab reports using the Beyond Labz system will be due Sunday nights (11:59 PM).

Exams will be online with a 12 hour window for completion on the dates indicated on the course schedule.

A final problem set/exam will be submitted online after the Thanksgiving Holiday.

Narrated powerpoint slides in the Media tab on Canvas – points awarded for viewing.

## COMMUNICATION

- *All course materials, such as lecture slides, assignments, solutions, grades, etc. will be posted on the Course Canvas site. Class announcements will be done via email through the Canvas server. You will be responsible for any information contained in them as well as the information announced in class.*
- *It is your responsibility to also regularly check your Umail (make sure you set up forwarding if you do not check it regularly), your Umail is the only way for me to communicate privately with you, there will be occasions during the semester that we may need to reach out to you individually (e.g. regarding a grade or assignment) and it is in your best interest to respond promptly.*
- *Feel free to contact me by email for questions at T.Richmond@utah.edu, I will do my best to answer emails promptly. I would like to encourage you to email me only if it is something personal that requires individual attention, I will always do my best to ensure the communication relevant to the course is clear and transparent, it is your responsibility as well to keep yourself updated by regularly checking: the announcements on Canvas and your Umail*
- *Online submissions: You are responsible for submitting the assignment with the required naming convention, correct file extension, and using the software type and version required for the assignment.*

**Incompletes:** According to university policy, to be considered for an incomplete, a student must have 20% or less of the course work remaining and be passing the course with a C or better. You must request an incomplete grade and I will consider giving that grade only under exceptional circumstances.

**Content Accommodations:** Consistent with principles of academic freedom, the faculty, individually and collectively, has the responsibility for determining the content of the curriculum. Students are expected to take courses that will challenge them intellectually and personally. Students must understand and be able to articulate the ideas and theories that are important to the discourse within and among academic disciplines. Personal disagreement with these ideas and theories or their implications is not sufficient grounds for requesting an accommodation (see <https://regulations.utah.edu/academics/6-100.php>). *Describe your content accommodation policies here.*

## ACADEMIC CODE OF CONDUCT: **Department of Chemistry Code of Conduct**

The Department of Chemistry takes academic integrity very seriously. Violations of the student code of conduct erode the equitable learning environment that we strive for in all of our courses. Therefore, we are requiring all students in our courses to agree to the academic integrity statement in this document prior to receiving access to the course on Canvas.

All work submitted as part of your enrollment in this course should be your own work and you must follow all the rules associated with the assignment. Incidents of academic misconduct (including cheating, plagiarizing, research misconduct, misrepresenting one's work, and/or inappropriately collaborating on an assignment) will be dealt with in accordance with the Student Code (Policy 6-400, Section V). Instances of academic misconduct could result in a failing grade for the course; probation, suspension, or dismissal from a program; suspension or dismissal from the university; or revocation of a degree or certificate. Inappropriate behavior includes, for example, submitting assignment problems to online tutoring resources or searching for solutions on such websites and submitting the result as your own work.

All study materials in this course are considered intellectual property of the instructor and the University of Utah (this includes lecture slides, problem sets, exams, answer keys etc.). Unauthorized uploading or distribution of the aforementioned materials to any website, either during or after the semester, is prohibited and may be addressed both as a violation of the behavioral standards as well and an act of academic misconduct. The Department will actively monitor websites for unauthorized distribution and refer all instances of the violation to VP for Student affairs and the College of Science Academic Affairs Committee for investigation. You need written permission from the instructor permitting you to upload the material.

## ADDITIONAL POLICIES AND RESOURCES

### **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 the class, reasonable prior notice needs to be given to the Center for Disability & Access, 162 Olpin Union Building, 801-581-5020. CDA will work with you and the instructor to make arrangements for accommodations. All written information in this course can be made available in alternative format with prior notification to the Center for Disability & Access.

**Inclusivity Statement:** It is my intent that students from all diverse backgrounds and perspectives be well served by this course, that students' learning needs be addressed both in and out of class, and that the diversity that students bring to this class be viewed as a resource, strength and benefit. It is my intent to present materials and activities that are respectful of diversity: age, color, disability, gender, gender identity, gender expression, national origin, political affiliation, race, religion, sexual orientation, and veteran status, and other unique identities. gender, sexuality, disability, age, socioeconomic status, ethnicity, race, culture, and other unique identities. Your suggestions are encouraged and appreciated. Please let me know ways to improve the effectiveness of the course for you personally or for other students or student groups. In addition, if any of our class meetings conflict with your religious events, please let me know so that we can make arrangements for you.

**Discrimination and Harassment:** 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 Office of the Dean of Students, 270 Union Building, 801-581-7066. To report to the police, contact the Department of Public Safety, 801-585-2677(COPS). Please see Student Bill of Rights, section E <http://regulations.utah.edu/academics/6-400.php>. I will listen and believe you if someone is threatening you.

**Names/Pronouns.** Canvas allows students to change the name that is displayed AND allows them to add their pronouns to their Canvas name. Class rosters are provided to the instructor with the student's legal name as well as "Preferred first name" (if previously entered by you in the Student Profile section of your CIS account, which managed can be managed at any time). While CIS refers to this as merely a preference, I will honor you by referring to you with the name and pronoun that feels best for you in class or on assignments. Please advise me of any name or pronoun changes so I can help create a learning environment in which you, your name, and your pronoun are respected. If you need any assistance or support, please reach out to the LGBT Resource Center. [https://lgbt.utah.edu/campus/faculty\\_resources.php](https://lgbt.utah.edu/campus/faculty_resources.php)

**English Language Learners.** If you are an English language learner, please be aware of several resources on campus that will support you with your language and writing development. These resources include: the Writing Center (<http://writingcenter.utah.edu/>); the Writing Program (<http://writing-program.utah.edu/>); the English Language Institute (<http://continue.utah.edu/eli/>). Please let me know if there is any additional support you would like to discuss for this class.

**Undocumented Student Support.** Immigration is a complex phenomenon with broad impact—those who are directly affected by it, as well as those who are indirectly affected by their relationships with family members, friends, and loved ones. If your immigration status presents obstacles to engaging in specific activities or fulfilling specific course criteria, confidential arrangements may be requested from the Dream Center. Arrangements with the Dream Center will not jeopardize your student status, your financial aid, or any other part of your residence. The Dream Center offers a wide range of resources to support undocumented students (with and without DACA) as well as students from mixed-status families. To learn more, please contact the Dream Center at 801.213.3697 or visit [dream.utah.edu](http://dream.utah.edu).

**Veterans Center.** If you are a student veteran, the U of Utah has a Veterans Support Center located in Room 161 in the Olpin Union Building. Hours: M-F 8-5pm. Please visit their website for more information about what support they offer, a list of ongoing events and links to outside resources: <http://veteranscenter.utah.edu/>. Please also let me know if you need any additional support in this class for any reason.

**Wellness Statement.** Personal concerns such as stress, anxiety, relationship difficulties, depression, cross-cultural differences, etc., 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](http://www.wellness.utah.edu) or 801-581-7776.

**Student Success Advocates:** The mission of Student Success Advocates is to support students in making the most of their University of Utah experience ([ssa.utah.edu](http://ssa.utah.edu)). They can assist with mentoring, resources, etc. Any student who faces challenges securing their food or housing and believes this may affect their performance in the course is urged to contact a Student Success Advocate for support (<https://asuu.utah.edu/displaced-students>).

**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 on the basis of your sex, including sexual orientation or gender identity/expression, you are encouraged to report it to the University's Title IX Coordinator; Director, Office of Equal Opportunity and Affirmative Action, 135 Park Building, 801-581-8365, or to 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 police, contact the Department of Public Safety, 801-585-2677(COPS).

**Campus Safety:** 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](http://safeu.utah.edu)

**University Counseling Center** The University Counseling Center (UCC) provides developmental, preventive, and therapeutic services and programs that promote the intellectual, emotional, cultural, and social development of University of Utah students. They advocate a philosophy of acceptance, compassion, and support for those they serve, as well as for each other. They aspire to respect cultural, individual and role differences as they continually work toward creating a safe and affirming climate for individuals of all ages, cultures, ethnicities, genders, gender identities, languages, mental and physical abilities, national origins, races, religions, sexual orientations, sizes and socioeconomic statuses.

**Office of the Dean of Students** The Office of the Dean of Students is dedicated to being a resource to students through support, advocacy, involvement, and accountability. It serves as a support for students facing challenges to their success as students, and assists with the interpretation of University policy and regulations. Please consider reaching out to the Office of Dean of Students for any questions, issues and concerns. 200 South Central Campus Dr., Suite 270. Monday-Friday 8 am-5 pm.