CHEM:1080 GENERAL CHEMISTRY II FALL 2020

INSTRUCTOR: Dr. Rebecca Laird; rebecca-laird@uiowa.edu


COURSE DELIVERY: Lectures will be prerecorded and posted on MWF at 8:30am. These lecture videos will be posted under the UICapture module of the course ICON site.

TECHNOLOGICAL DETAILS: Portions of this course is being delivered online. This means that students must be able to access those online components of the course. Tools that will be needed include but are not limited to: reliable internet connection and a computer/laptop/tablet. Online content for the course will be managed using the ICON (Iowa Courses Online) system (http://icon.uiowa.edu/index.shtml). The site will be used to post: lecture videos under UICapture, copies of the slides used in class, practice exams, exam keys, homework links, announcements, and other materials. I expect that you will check our ICON site and your uiowa email regularly. All email correspondence must be managed through your uiowa email address.

OFFICE HOURS: Office hours will be hosted via Zoom. Links to the zoom sessions will be posted under the Zoom module of the course ICON site. These office hours are meant to address student questions and assist with course content. No appointment is needed to attend. The sessions will not be recorded. I will hold three 30-minute sessions each week. These sessions will be on Monday, Tuesday, and Thursday from 2:30-3:00pm.

COURSE CONTENT AND PREREQUISITES:

Content: Introductory organic chemistry and biochemistry: structure and representations of molecules; physical and chemical properties; introduction to reactions; applications: polymers, nutrition, drugs, etc.

Prerequisites: CHEM:1070 or high school chemistry.

A basic understanding of atoms and molecules will be assumed.

COURSE GRADES: The maximum possible score is 570 points, 100 points apiece for each hour exam (3 exams total), 150 points for the final exam and 10 points for each homework assignment (12 assignments total). For our course, the College of Liberal Arts and Sciences strongly suggests a Criterion-Referenced grading scheme with the following percent equivalencies.

<table>
<thead>
<tr>
<th>Percentage Range</th>
<th>Grade</th>
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<tbody>
<tr>
<td>100-99%</td>
<td>A+</td>
</tr>
<tr>
<td>98-93%</td>
<td>A</td>
</tr>
<tr>
<td>92-90%</td>
<td>A-</td>
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<tr>
<td>89-87%</td>
<td>B+</td>
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<tr>
<td>86-83%</td>
<td>B</td>
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<tr>
<td>82-80%</td>
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<td>79-77%</td>
<td>C+</td>
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<tr>
<td>76-73%</td>
<td>C</td>
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<tr>
<td>72-70%</td>
<td>C-</td>
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<tr>
<td>69-67%</td>
<td>D+</td>
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<tr>
<td>66-63%</td>
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<td>62-60%</td>
<td>D-</td>
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<tr>
<td>59-0%</td>
<td>F</td>
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</tbody>
</table>

Your homework and test scores will be posted on ICON.
EXAM SCHEDULE: Exams dates, times and places are given below.

<table>
<thead>
<tr>
<th>Exam</th>
<th>Date</th>
<th>Time</th>
<th>Location</th>
</tr>
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<tbody>
<tr>
<td>1</td>
<td>Sept. 23</td>
<td>6:30-8:00 pm</td>
<td>Online</td>
</tr>
<tr>
<td>2</td>
<td>Oct. 14</td>
<td>6:30-8:00 pm</td>
<td>Online</td>
</tr>
<tr>
<td>3</td>
<td>Nov. 11</td>
<td>6:30-8:00 pm</td>
<td>Online</td>
</tr>
<tr>
<td>Final</td>
<td>TBD</td>
<td>TBD</td>
<td>Online</td>
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EXAMINATIONS: There will be three regular exams and a final exam. Each exam will be open note/open book. This includes only material from our course. (i.e.- these do not include “google” or other course helper sites, or any other person.) If a student is caught using other types of aid, that student will be reported to the college for academic misconduct. All exams will be multiple choice and will be taken on ICON. Exams will be found under the quizzes module. The multiple-choice quiz will be available on ICON from 6:30pm-8:00pm on the exam day.

Each exam is comprehensive but will emphasize material since the previous exam. Chemistry builds on what was learned before, it is important to continually add to your fountain of knowledge. Exams must touch on material that was learned earlier in the semester, but in most instances, we will use concepts that we covered since the previous exam. It is wise to review all of the material since Day 1 for each exam.

Anything that is covered through the end of class on the day before the exam is “fair game” for the exam. We more or less follow the book, so you will be able to determine where we stopped before the exam. If you have any doubt, study for the whole chapter that we are working on.

The final exam will be comprehensive.

MAKE-UP EXAMS: Make-up exams will be given under exceptional circumstances only. You must sign up for the make-up and give an acceptable reason before the regular exam is given. Under no circumstances will a make-up be given to take the place of a regular exam taken earlier. To sign up for a make-up exam, email the chemistry center prior to the regular exam with the reason for your absence.

FINAL EXAMINATIONS: No student is required to take more than two examinations in one day. A potential problem may be eased by students closely checking the exam schedule. An undergraduate student who has (a) two examinations scheduled for the same period or (b) more than two examinations scheduled for the same day may schedule an alternate time for the final exam.

HOMEWORK: The online homework on Sapling will allow you to draw structures, learn concepts, and prepare you to excel in this course. These problems are critical to learning organic chemistry, so we will take advantage of Sapling.
We will post one homework assignments for each chapter. The due date and time will be clearly listed in Sapling. You should assume we are going to have regular homework assignments and look for them on Sapling.

The homework questions will be assigned at random from a pool of questions so folks working on adjacent computers will get different questions. Because of this, we are assigning the homework as “full collaboration”. That phrase means that you may work with your classmates, friends, tutors, or anyone else to complete the homework. You may work alone if you wish, but no penalty will be given to those who work together. This policy does not mean that you should copy someone else’s homework: that is not allowed and will be viewed as cheating. You must make an honest effort to complete the homework and understand the answers. One good method to know if you understand the answers is to ask yourself if you can reproduce your homework if you are alone in front of the computer. If you can reproduce your homework, you have some level of understanding of it. Homework is an excellent vehicle for learning class material - take advantage of this opportunity and you will do well on the exams.

The instructions for each assignment will be clearly listed on each assignment. No late homework will be graded nor will extensions be given without University approved reason.

DISCUSSION SESSIONS:
Our course Graduate Teaching Assistants (Tas) will lead these discussions. This time is reserved for problem solving, discussion of lecture material, and explanations of exam answers. I strongly encourage you to attend these sections as the TAs are excellent and can help you learn the material. Their email addresses and office hours will be given on ICON. Note: two discussions sessions will be held virtually while the other sessions will be held face-to-face. All TA office hours will be held virtually via zoom. The zoom sessions will be posted to ICON under the Zoom tab. No TA sessions (virtual discussions or office hours will not be recorded at this time.)

CLASS BEHAVIORAL EXPECTATIONS:
Many of the discussion sessions will be held face-to-face. Students are expected to comply with University policies regarding appropriate classroom behavior as outlined in the Code of Student Life. This includes the policies and procedures that all students have agreed to regarding the Steps Forward for Fall 2020 in response to the COVID-19 pandemic. Particularly, all students are required to wear a face covering when in a UI building, including a classroom. In addition, the density of seats in classrooms has been reduced. In some instances, this will allow 6 feet or more of distance while in other cases, it may be less. Regardless, wearing a face covering and maintaining as much distance as possible are vital to slowing the spread of COVID-19.

In the event that a student disrupts the classroom environment through the failure to comply with the reasonable directive of an instructor or the University, the instructor has the authority to ask that the student immediately leave the space for the remainder of the class period. Additionally, the instructor is asked to report the incident to the Office of Student Accountability for the possibility of additional follow-up. Students who need a temporary alternative learning arrangement related to COVID-19 expectations should contact Student Disability Services arrangements/; +1 319 335-1462)
(https://sds.studentlife.uiowa.edu/fall-2020/covid-19-temporary-learning-arrangements/).
Notice about Moving Online after Thanksgiving Recess
All UI course components will be delivered virtually after Thanksgiving Recess. All discussions sessions will continue to meet after the Thanksgiving Recess but will meet via Zoom.

ZOOM: all virtual sessions will be held through Zoom virtual meetings. To maintain professionalism, the following rules will be followed by all Zoom participants:
- No profanity or vulgar language will be allowed
- Appropriate dress is required any time video is used
- Keep all posts and comments related to course work
- Only UI students enrolled in the course may join, participate, or be visible during our zoom sessions.

I reserve the right to bar any student who does not adhere to these rules after the first offense.

CHEATING:
Our scientific environment is maintained through the actions of its members and the trust we place in one another. Scientists are expected to remain honest in their words and actions. When this trust is broken the results are often severe and career threatening. One should not cheat on the false assumptions that 1) no one is harmed if no one is aware of the cheating or 2) it is alright to cheat if you aren’t caught. A good scientist will hold themselves to a higher standard where cheating, even if it isn’t discovered, is wrong.

With this important responsibility comes the privilege of being a member of a community that values openness and truth. As you are all scientists in training I will expect you to act accordingly and with an upright manner. Anyone caught cheating will fail and will be reported to the administration.
SUGGESTIONS FOR SUCCESSFUL STUDY IN GENERAL CHEMISTRY II:

During the duration of this term, you will need to practice successful study habits both regarding the Chemistry content and due to the nature of an online course. To be successful in this course, I recommend the following:

- Establish an organized and comfortable space that is dedicated for your study time.
- Keep a set schedule for study time for this course. Just as you would have a set schedule in a face-to-face course (i.e.- lecture time, discussion hour, office hours, etc.), set this for the online course as well. Studying a little bit each day helps develop better understanding and retention versus waiting and “cramming” the night before an exam.
- Reinforce the material that is presented in the lectures and zoom session by reading the corresponding sections in the book. Work out the in-chapter problems as you go.
- You have a wealth of opportunities to reinforce concepts and solve problems with which you may be having difficulty. Avail yourself of the instructor and TA office hours, actively watch the lectures and participate in discussion sessions. These opportunities are offered to help you learn the Chemistry. Use them! Don’t wait until the last minute to ask for help. Ask questions as they come.
- Be willing to interact with the instructor, the TA, and your classmates during the zoom sessions. Communication is always important for education, but it is doubly important for online education! Don’t be shy, be willing to speak up, ask questions, and participate!
- Keep yourself on a steady pace! During this course, there will be regularly scheduled assignments. Reference the course schedule and the ICON site to make sure you do not miss a due date. Working at a steady pace will help you learn and understand at a deeper level. (and prevent a game of “catch up” 20 minutes before an assignment is due!)

ADMINISTRATIVE INFORMATION:

DROP-ADD SLIPS: For information on making any changes in registration, please visit the Office of the Registrar’s site listed below: https://registrar.uiowa.edu/changes-registration

COURSE INFORMATION: Inquiries about details of the course (e.g. extra copies of the syllabus, exam times and places, times and places of discussion sessions, etc.) should be taken to the Chemistry Center (chemistry-center@uiowa.edu).

DROP DATES: Deadline Date: September 04, 2020: last day to drop a course without a W.
Deadline Date: November 2, 2020: Last day to drop without Dean’s approval.

DEPARTMENTAL HOME: Department of Chemistry
DEPARTMENTAL CONTACT INFORMATION: Len MacGillivray, DEO, E331 CB; Lindsay Elliott, Secretary to the Chair, E331 CB, 319-335-0200.

ADMINISTRATIVE HOME
The College of Liberal Arts and Sciences is the administrative home of this course and governs matters such as the add/drop deadlines, the second-grade-only option, and other related issues. Different colleges may have different policies. Questions may be addressed to 120 Schaeffer Hall, or see the CLAS Academic Policies Handbook at http://clas.uiowa.edu/students/handbook.

CLASS RECORDINGS: PRIVACY AND SHARING
Some of the sessions of a course could be recorded or live-streamed. Such recordings/streaming will only be available to students registered for this class. These recordings are the intellectual property of the faculty, and they may not be shared or reproduced without the explicit, written consent of the faculty member. Further, students may not share these sessions with those not in the class or upload them to any other online environment. Doing so would be a breach of the Code of Student Conduct, and, in some cases, a violation of the Federal Education Rights and Privacy Act (FERPA).

ELECTRONIC COMMUNICATION
University policy specifies that students are responsible for all official correspondences sent to their University of Iowa e-mail address (@uiowa.edu). Faculty and students should use this account for correspondences (Operations Manual, III.15.2, k.11).

ACCOMMODATIONS FOR DISABILITIES
A student seeking academic accommodations should first register with Student Disability Services and then meet with the course instructor privately in the instructor's office to make particular arrangements. See http://sds.studentlife.uiowa.edu/ for more information.

ACADEMIC HONESTY
All CLAS students or students taking classes offered by CLAS have, in essence, agreed to the College's Code of Academic Honesty: "I pledge to do my own academic work and to excel to the best of my abilities, upholding the IOWA Challenge. I promise not to lie about my academic work, to cheat, or to steal the words or ideas of others; nor will I help fellow students to violate the Code of Academic Honesty." Any student committing academic misconduct is reported to the College and placed on disciplinary probation or may be suspended or expelled (CLAS Academic Policies Handbook).

CLAS FINAL EXAMINATION POLICIES
The final examination schedule for each class is announced by the Registrar generally by the fifth week of classes. Final exams are offered only during the official final examination period. All students should plan on being at the UI through the final examination period. It is the student's responsibility to know the date, time, and place of a final exam.

Syllabus-6
MAKING A SUGGESTION OR A COMPLAINT
Students with a suggestion or complaint should first visit with the instructor (and the course supervisor), and then with the departmental DEO. Complaints must be made within six months of the incident (CLAS Academic Policies Handbook).

REACTING SAFELY TO SEVERE WEATHER
In severe weather, class members should seek appropriate shelter immediately, leaving the classroom if necessary. The class will continue if possible when the event is over. For more information on Hawk Alert and the siren warning system, visit the Department of Public Safety website.

UNDERSTANDING SEXUAL HARASSMENT
Sexual harassment subverts the mission of the University and threatens the well-being of students, faculty, and staff. All members of the UI community have a responsibility to uphold this mission and to contribute to a safe environment that enhances learning. Incidents of sexual harassment should be reported immediately. See the UI Comprehensive Guide on Sexual Harassment for assistance, definitions, and the full University policy.

DIVERSITY STATEMENT
Respect for Diversity: 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: gender, sexual orientation, disability, age, socioeconomic status, ethnicity, race, culture, perspective, and other background characteristics. Your suggestions about how to improve the value of diversity in this course 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, in scheduling exams, I have attempted to avoid conflicts with major religious holidays. If, however, I have inadvertently scheduled an exam or major deadline that creates a conflict with your religious observances, please let me know as soon as possible so that we can make other arrangements.

MENTAL HEALTH
As a student you may experience a range of issues that can cause barriers to learning. These might include strained relationships, anxiety, high levels of stress, alcohol/drug problems, feeling down, or loss of motivation. University Counseling Services is here to help with these or other issues you may experience. You can learn about the free, confidential mental health services available on campus by calling 319-335-7294 or visiting https://counseling.uiowa.edu/. Help is always available.