Course Information and Syllabus

COURSE MEETINGS
- MWF 10-10:50
- Synchronously online
- The Zoom link for the class is posted on OAKS.

GENERAL EDUCATION STUDENT LEARNING OUTCOMES
1. Students apply physical/natural principles to analyze and solve problems.
2. Students explain how science impacts society.
- The General Education Learning Outcomes will be assessed in the lab co-requisite for the course, CHEM 112L.

LEARNING OUTCOMES FOR CHEM 111
- Describe how to employ the scientific method.
- Solve chemistry problems by employing mathematical techniques and chemical reasoning.
- Understand how atoms interact covalently and non-covalently to form molecules and compounds.
- Identify the properties of compounds.
- Employ an understanding of chemical reactivity to analyze chemical reactions.

COURSE INSTRUCTOR
- Kristin D. Krantzman
  she/her/hers
- E-mail: krantzmank@cofc.edu
- Phone: 843 953 3378
- Office: SSMB Room 116

Office Hours
- M 2-3, T 11-12, F 11-12 and by appointment. The Zoom link for office hours is posted on OAKS.

Course Prerequisites and Co-Requisites
CHEM 111L is normally a co-requisite for the course. The lab is an experiential learning course and attendance in all lab periods is mandatory. If you must take all of your classes online this semester and cannot take CHEM 111L, you need to make special arrangements with our departmental administrative assistant, Ms. Kendrick, at kendrickcd@cofc.edu. You will be allowed to enroll in CHEM 112 and take CHEM 111L and CHEM 112L simultaneously in a future semester. If you have passed the lab, you do NOT need to take the lab in order to retake the course. The two courses (CHEM 111 & 111L) are graded independently of one another.

Math Competency
Competency is assumed at the level of MATH 111, which includes algebra and graphing. It is also assumed that you have had some prior chemistry in high school. If you have not, consider taking CHEM 103 as a prep to this course. CHEM 103 is offered during Express 2.

***The syllabus is subject to change by the instructor.***
### REQUIRED MATERIALS

**Textbook:**
- Students can purchase ALEKS and register for the course at [http://www.aleks.com](http://www.aleks.com).
- The ALEKS 360 code for this class is TYGAA-4AAWL.

**Technology.**
- A computer with reliable internet access, microphone, speakers and webcam.
- A scientific calculator.
- A method to scan in multiple pages of your handwritten work into a single pdf document that can be quickly uploaded to OAKS. I recommend AdobeScan, which is a free app that can be used with your cell phone. See the following link for a tutorial on how to scan in your work: [http://tlt.cofc.edu/2020/03/24/tech-tip-tuesday-how-to-scan-handwritten-drawn-work-to-a-pdf-to-submit-in-oaks/](http://tlt.cofc.edu/2020/03/24/tech-tip-tuesday-how-to-scan-handwritten-drawn-work-to-a-pdf-to-submit-in-oaks/).

### How to be successful in CHEM 111

*Chemistry is not a spectator sport!*

- **Prepare:** Do the assigned reading and suggested practice problems from the textbook before coming to class.
- **Practice:** The only way to get good at solving problems is to practice solving problems. Watching someone else solve the problem or reading the solution cannot substitute for you putting pen to paper and trying to solve the problem on your own.
- **Be consistent:** Develop a regular study schedule and learn the concepts as we discuss them in class. Chemistry is cumulative and it takes time for the concepts to sink in. You cannot cram chemistry.
- **Think:** Chemistry needs to be understood, not memorized. Always ask yourself why you are doing a certain step in a problem or using a particular equation. Take responsibility for learning the material and be actively engaged.

### Communication with the Instructor

- The easiest way to contact me is through e-mail at krantzmank@cofc.edu. It is important for you to learn how to be professional in your email communications.
  - When corresponding with me, please:
    - include CHEM 111 in the subject line
    - include a respectful greeting (e.g., “Hi Dr. Krantzman” or “Dear Professor Krantzman”)
    - fully sign your name
    - use complete sentences
    - proofread your email
- Typically, I will respond to your email within 24 hours, although my response time will be slower on weekends (24 – 48 hours).
**Evaluation of Student Performance**

**Grading Scheme**

<table>
<thead>
<tr>
<th>Component</th>
<th>Percentage</th>
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<tbody>
<tr>
<td>Tests</td>
<td>50%</td>
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<tr>
<td>Final</td>
<td>15%</td>
</tr>
<tr>
<td>Quizzes</td>
<td>15%</td>
</tr>
<tr>
<td>ALEKS</td>
<td>15%</td>
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<tr>
<td>Participation</td>
<td>5%</td>
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</tbody>
</table>

**Tests:** 50%

Five tests are scheduled during the scheduled time period of the class. Dates are on the course calendar. Students must scan in their written work as a single pdf file and upload it to Dropbox on OAKS. The lowest test grade will be dropped in the calculation of the test average.

**Final Exam:** 15%

A comprehensive, multiple-choice final exam will be given during the scheduled exam period for the class, Monday, April 26 from 8-10 am.

- Note that students are required to log into the Zoom link for the class and turn on their video while they are taking a test or the final exam.

**Quizzes:** 15%

Take-home quizzes will be given on Fridays on which there is not a scheduled test. Quizzes will be due at the beginning of the following class period. The lowest quiz grade will be dropped in the calculation of the quiz average.

**ALEKS:** 15%

ALEKS homework will be due on Tuesdays and Thursdays at 5 PM.

**Participation:** 5%

Students are expected to attend and participate in online synchronous classes.

**Make-up Policy:** There are no make-up tests, and a grade of zero will be assigned for a missing test regardless of the reason. The lowest test grade will be dropped in the calculation of the test average.

**Late Assignments:** ALEK homework and quizzes are due on the date and time specified, and work submitted after the deadline will not be graded.

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**Expectations of Students**

- You are expected to attend and participate in all classes. Participation in the class counts for 5% of your grade. There will be participation activities assigned in class. Students who miss class will not be able to make up these assignments. You are responsible for all information presented in class whether you are present or not. Zoom recordings will not be posted on OAKS.

- Content for each chapter and class notes will be delivered to students using the OneNote class notebook. The link is posted on OAKS. Students are expected to use OneNote to access these course materials. You should check for updates before every class.

- It is of the upmost importance that you keep current in your studies. You are expected to spend a minimum of three hours of study for every hour spent in lecture. I am here to explain the material and help you to the best of my time and ability. However, the burden of learning is upon you, the student, which includes making use of tutors, supplemental instruction and office hours.

- You are expected to do the assigned reading and suggested homework problems in the textbook. The problems are representative of what you need to know for the tests and the final exam. **The key to success in this class is working through chemistry problems again and again.**
Student conduct is expected to conform to the standards of the College of Charleston Student Honor Code Policy (http://deanofstudents.cofc.edu/policies-and-procedures/honor-code-and-code-of-conduct.php). Students can find the complete Honor Code and all related processes in the Student Handbook at: http://deanofstudents.cofc.edu/honor-system/studenthandbook/. In addition, students in this course are also expected to be aware and to conform to the standards of the Department of Chemistry & Biochemistry Policy on Scientific Integrity, which is posted on the department website at http://chemistry.cofc.edu.

Students at the College of Charleston are bound by honor and by their enrollment at the College to abide by the Honor and Conduct codes and to report violations. Lying, cheating, attempted cheating, and plagiarism are violations of our Honor Code that, when identified, are investigated. Each incident will be examined to determine the degree of deception involved.

Incidents where the instructor determines the student’s actions are related more to a misunderstanding will be handled by the instructor. A written intervention designed to help prevent the student from repeating the error will be given to the student. The intervention, submitted by form and signed both by the instructor and the student, will be forwarded to the Dean of Students and placed in the student’s file.

Cases of suspected academic dishonesty will be reported directly by the instructor and/or others having knowledge of the incident to the Dean of Students. A student found responsible by the Honor Board for academic dishonesty will receive a XF in the course, indicating failure of the course due to academic dishonesty. This grade will appear on the student’s transcript for two years after which the student may petition for the X to be expunged. The student may also be placed on disciplinary probation, suspended (temporary removal) or expelled (permanent removal) from the College by the Honor Board.

Students should be aware that unauthorized collaboration—working together without permission—is a form of cheating. Unless the instructor specifies that students can work together on an assignment, and/or test, no collaboration during the completion of the assignment is permitted. Other forms of cheating include possessing or using an unauthorized study aid (which could include accessing information via a cell phone or computer), copying from others’ exams, fabricating data, and giving unauthorized assistance.

Technology Troubleshooting

- If you have technical problems, please contact Student Computing Support or Helpdesk using these methods:
  - Student Computing Support
    - 843-953-5457
    - studentcomputingsupport@cofc.edu
    - blogs.cofc.edu/sits
  - Helpdesk
    - 843-953-3375
    - helpdesk@cofc.edu
    - it.cofc.edu/help/helpdesk

- It’s important to resolve technical problems swiftly, so do not delay getting support. Computer failure or unavailability does not constitute an excuse for not completing assignments.

Academic Support Services

The Center for Student Learning (CSL) is located on the first floor of Addleston Library, and offers a wide variety of tutoring and other academic resources. Make use of the Math Lab and the Science Lab as needed. Supplemental Instruction (SI) is offered in conjunction with this section of CHEM 111. SI sessions give students a chance to work together with trained SI leaders to discuss course concepts, develop strategies for studying course material, work problems, and review notes. All services are described and lab scheduled are posted on the CSL website (http://csl.cofc.edu).
## Tentative Course Calendar

<table>
<thead>
<tr>
<th>Date</th>
<th>Chapter</th>
<th>Section(s)</th>
<th>Date</th>
<th>Chapter</th>
<th>Section(s)</th>
<th>Date</th>
<th>Chapter</th>
<th>Section(s)</th>
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<tbody>
<tr>
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<td>First Day of Class, CH 1.2-1.3</td>
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<td>Apr 19</td>
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<td>Apr 26</td>
<td>CHEM 111-01 Final Exam: 8:00 am – 10:00 am</td>
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Class Policies

**Accommodations for Students with Disabilities**
This College abides by section 504 of the Rehabilitation Act of 1973 and the Americans with Disabilities Act. If you have a documented disability that may have some impact on your work in this class and for which you may require accommodations, please see an administrator at the Center of Disability Services/SNAP, 843.953.1431 or me so that such accommodation may be arranged.

**OAKS**
OAKS, including Gradebook, will be used for this course throughout the semester to provide the syllabus and class materials and grades for each assignment, which will be regularly posted.

**Recording of Classes (via ZOOM)**
Class sessions will be recorded via both voice and video recording. By attending and remaining in this class, the student consents to being recorded. Recorded class sessions are for instructional use only and may not be shared with anyone who is not enrolled in the class.

**Inclement Weather, Pandemic or Substantial Interruption of Instruction**
If in-person classes are suspended, faculty will announce to their students a detailed plan for a change in modality to ensure the continuity of learning. All students must have access to a computer equipped with a web camera, microphone, and Internet access. Resources are available to provide students with these essential tools.

**Mental & Physical Wellbeing**
At the college, we take every students’ mental and physical wellbeing seriously. If you find yourself experiencing physical illnesses, please reach out to student health services (843.953.5520). And if you find yourself experiencing any mental health challenges (for example, anxiety, depression, stressful life events, sleep deprivation, and/or loneliness/homesickness) please consider contacting either the Counseling Center (professional counselors at [http://counseling.cofc.edu](http://counseling.cofc.edu) or 843.953.5640 3rd Robert Scott Small Building) or the Students 4 Support (certified volunteers through texting "4support" to 839863, visit [http://counseling.cofc.edu/cct/index.php](http://counseling.cofc.edu/cct/index.php), or meet with them in person 3rd Floor Stern Center). These services are there for you to help you cope with difficulties you may be experiencing and to maintain optimal physical and mental health.

**Inclusion**
The College of Charleston offers many resources for LGBTQ+ students, faculty and staff along with their allies.

- [Preferred Name and Pronoun Information](#)
- [On Campus Gender Inclusive facilities](#)
- [Campus Resources](#)
- [College of Charleston Reporting Portals](#)
- [National Resources for Faculty & Staff](#)
- [GSEC Reports](#)
- [Documenting LGBTQ Life in the Lowcountry](#) (CofC Addlestone Library Special Collections Project)