Chem 111 Principles of Chemistry Fall 2022

**This syllabus is subject to change by the instructor.**

**Day/Time:** MWF 9:00 – 9:50 am  
**Location:** JSC 233  
**CRN:** 13893

**Instructor:** Dr. Amy L. Rogers  
Office: SSMB 308 (School of Sci & Math Bldg)  
Phone: (843) 953-7292  
Email: rogersaL@cofc.edu  
Office Hours: MWF 10:00 – 11:00 am; and by appointment

**General Education Learning Outcomes:**
- Students apply physical/natural principles to analyze and solve problems.
- Students will develop an understanding of the impact that science has on society.

(Note: General Education Learning Outcomes will be assessed in the second semester course of the Science Gen Ed Sequence, Chem 112/Chem 112L)

**Student Learning Outcomes:**
- Describe how to employ the scientific method
- Solve chemistry problems by employing mathematical techniques and chemical reasoning
- Understand how atoms interact to form molecules and compounds
- Identify the properties of compounds
- Employ an understanding of chemical reactivity to analyze chemical reactions

**Pre-requisite/Co-requisite:**
Chem 111 requires Math 111 (co-req) or Math 111 exemption via the Math Placement Exam. If you do not currently meet either of these requirements, you probably shouldn’t be taking this course yet. As part of a learning community, co-registration in Biol 111/Biol 111L along with FYSS is required as well.

**Texts:**
   Chemistry 112, the next course in the Chemistry sequence, will cover the remaining chapters in the book. Do not sell your text at the end of the semester if you are continuing on to Chem 112. (You do not need to bring the book to class)

2) • The ALEKS website is https://www.aleks.com.
   • The ten-digit code needed to sign up is FJUGN-HK3GH

3) Optional: Problem-Solving Workbook with Selected Solutions to accompany Chemistry: Atoms First (El-Ashmawy and Richardson) available from Amazon.

**Electronic Requirements:**
- Access to consistent, reliable high-speed internet connection
- Computer with microphone and external speakers or a headset with a microphone. A laptop is required by CofC. More information about the laptop requirement and other technologies to support your learning can be found at https://go.cofc.edu/laptop.
- Web camera
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- **Calculator**: A calculator that performs exponential and logarithmic functions is required
- **Printer or access to one**
- **Adobe Scan App or CamScanner**: A way to take a photo of your work and quickly upload it as a PDF file to an OAKS dropbox. Use an app to compile all your written work (in order) into a single PDF document and submit it to the appropriate location in OAKS. Before submitting, you should review the file to make sure all the pages are present in the right order and legible; re-take scans in different lighting if necessary. See the tutorial below or Tutorials/Resource page in OAKS for more information.
- **A way to videotape yourself explaining how you are solving a problem.**

It is important to maintain your computer so that it is functional throughout the term. In addition, if you encounter a computer problem or have any technical problems, please contact the Student Computing Support Desk at (843)953-5457 or studentcomputingsupport@cofc.edu. Additional support and computing downloads and tutorials can be located at blogs.cofc.edu. Please be sure to promptly resolve problems. **Computer failure/unavailability does not constitute an excuse for not completing or submitting work by the due date.**

**Classes**: All classes will be held in person MWF at 9:00 am. Please be prompt.

**Attendance**: It is difficult to be successful in this course without attending class. Once the roll is verified, attendance will not be taken. However, your absence will be noted as lectures are participatory. Lectures missed will not be restated in office hours.

**Class Materials and Participation**: All class materials will be provided on OAKS. PowerPoint presentations of all lectures will be posted on OAKS to download prior to class. OneNote will be used during lectures to annotate the PowerPoints slides. Access to OneNote is found in OAKS in the OneNote module under the Table of Contents. Access to these materials and annotations are not intended to be used in lieu of attending class. I expect everyone to participate in class.

**Withdraw Date**: The withdraw date for fall semester is Friday, October 28. If you withdraw from Math 111, you may have to drop Chem 111. Please discuss with your instructor before dropping. The best advice is to not get behind and to seek help early and often.

**Hourly Exams**: The following are tentative dates for the exams. **These dates are subject to change.**

<table>
<thead>
<tr>
<th>Exam</th>
<th>Date</th>
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<tbody>
<tr>
<td>Exam 1</td>
<td>Friday, September 16</td>
</tr>
<tr>
<td>Exam 2</td>
<td>Friday, October 14</td>
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<tr>
<td>Exam 3</td>
<td>Friday, November 11</td>
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<tr>
<td>Exam 4</td>
<td>Monday, December 5</td>
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</tbody>
</table>

**Final Exam**: The Final Exam will be comprehensive given on Monday, December 12, 10:30 am. The final will be the ACS standardized 70 multiple-choice question exam given within 110 minutes. If CoC moves to online only, the exam will not be the ACS exam but rather a departmental final.
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Makeups: There are NO makeup tests and a grade of zero will be assigned regardless of the reason. The lowest test grade will be dropped in the calculation of the test average.

Communication with the Professor
The best way to communicate with me will be through email. All email correspondence will be sent through the CofC official system. My response time will be within 24 hours during the weekdays; however, will vary on weekends and holidays – within 36 to 48 hours.

When corresponding with me, please:
• Include Chem 111 in the subject line
• Include a respectful greeting (for example, Hi or Dear Dr. Rogers)
• Fully sign your name
• Proofread your email
• If you are sending a picture of your work, make sure it is readable. To save you and me time before emailing me, make sure you have consulted the class schedule or syllabus, checked your emails, discussion posts, OAKS announcements, or have asked other classmates.

Supplemental Instruction: Layne Leggett will lead your supplemental instruction session. Her email is leggettle@g.cofc.edu. She will be arranging a variety of times when she will be available to work through problems with you.

Center for Student Learning: The Center for Student Learning is located in the Addlestone Library, Room 119, and has tutoring for several math and science courses, including Chem 111.

Deportment:
To maintain a classroom environment that is conducive to learning, I expect respectful behavior from students in my classes. This means no texting, sleeping, whispering, arriving late, leaving early, or coming unprepared. This also applies to virtual learning. Cell phones are to be put away unless we are using them for an activity in class.

Grading Policy:
Four Exams 65%
Final Exam 25%
Office Hour/SI Attendance/Deportment 10%

Grading Scale:

<table>
<thead>
<tr>
<th>Grade</th>
<th>Score Range</th>
<th>Grade</th>
<th>Score Range</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>93-100</td>
<td>C</td>
<td>73-76</td>
</tr>
<tr>
<td>A-</td>
<td>90-92</td>
<td>C-</td>
<td>70-72</td>
</tr>
<tr>
<td>B+</td>
<td>87-89</td>
<td>D+</td>
<td>67-69</td>
</tr>
<tr>
<td>B</td>
<td>83-86</td>
<td>D</td>
<td>63-66</td>
</tr>
<tr>
<td>B-</td>
<td>80-82</td>
<td>D-</td>
<td>60-62</td>
</tr>
<tr>
<td>C+</td>
<td>77-79</td>
<td>F</td>
<td>below 60</td>
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Important Dates to Remember:

- 8/23: First day of classes
- 9/24-25: Storm makeup days – Zoom only
- 10/28: Last day to withdraw from classes with grade of “W”
- 11/7-8: Fall Break
- 11/23-27: Thanksgiving Break
- 12/5: Last day of class
- 12/12: Final Exam, 10:30 am

Academic Dishonesty:
Cheating will not be tolerated in this course. The following description of cheating is from the student handbook:

“the actual giving or receiving of unauthorized, dishonest assistance that might give one student an unfair advantage over another in the performance of any assigned, graded academic work, inside or outside of the classroom, and by any means whatsoever, including but not limited to fraud, duress, deception, theft, talking, making signs, gestures, copying, electronic messaging, photography, unauthorized reuse of previously graded work, and unauthorized use or possession of study aids, memoranda, books, data, or other information. The term cheating includes engaging in any behavior specifically prohibited by a faculty member in the course syllabus or class discussion.”

For this course, entering formulas into a calculator to be used during an exam will be considered as an act of premeditated cheating.

Students that cheat and are then prosecuted through the Honor Board receive a grade of XF. This does not look good to all future employers and graduate programs. It is infinitely better to get an F than an XF.

Disabilities: If there is a student who has a documented disability and has been approved to receive accommodations through SNAP Services, please communicate this with the instructor early in the semester.

Electronics Device Policy: Devices whose usage is prohibited in class at any time are: pagers, cell phones, radios, TV, CD, DVD, and MP3 players and similar devices. Devices that are allowed to be used at certain times during class, except during tests, exams and quizzes are laptops, handheld computers, iPads, electronic pens, calculators, and similar devices. The sound must be off unless otherwise specified by the instructor. During tests, exams, and quizzes no electronic devices (except approved calculators) are allowed to be on or in sight, unless otherwise specified by the instructor.

Inclement Weather: If the College of Charleston closes and members of the community are evacuated due to inclement weather, students are responsible for taking course materials with
them to continue with course assignments consistent with instructions provided by faculty. In cases of extended periods of institution-wide closure where students have relocated, instructors may articulate a plan that allows for supplemental academic engagement despite these circumstances.

**Email:** Email is considered an official method for communication at the College of Charleston. If a student wishes to have email redirected from their official college issued account to another email address, they may do so, but at their own risk. Having email redirected does not absolve the student from the responsibilities associated with official communication sent to his or her College account. Students are expected to check their College of Charleston official email on a frequent and consistent basis.

The Department of Chemistry and Biochemistry has a Facebook page. It is used to announce opportunities for students. Check it out:
https://www.facebook.com/CofC.Chemistry/