Chem 111 Learning Community
Principles of Chemistry Fall 2021

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

Day/Time: MWF 9:00 – 9:50 am Location: SSMB 138 CRN: 11552

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) Required: Max, D. T., The Family that Couldn’t Sleep: A Medical Mystery (Random House)
3) Optional: Problem-Solving Workbook with Selected Solutions to accompany Chemistry: Atoms First (El-Ashmawy and Richardson) available from Amazon.
4) Optional: Saundra Yancy McGuire, Teach Yourself How to Learn.

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
• **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.**

**ALEKS:** You will need to purchase an ALEKS account which will need to include an eBook (comes with one of the packages). Objective assignments will be assigned throughout the semester (see course schedule for assignments and deadlines).

• The ALEKS website is [https://www.aleks.com](https://www.aleks.com).
• The ten-digit code needed to sign up is **W6J6C-HPQYX**
• Directions on how to access and sign up for ALEKS are located at [https://www.aleks.com/highered/math/Higher_Ed_Student_Registration.pdf](https://www.aleks.com/highered/math/Higher_Ed_Student_Registration.pdf)

The ALEKS is comprised of two parts which makes up 15% of the grade in this class. One half of ALEKS percentage points are assigned based on timely submission of objectives. The other half is based on the entire course objectives completion (i.e., Is all your pie filled and mastered?).

**Classes:** All classes will be held in person unless the College moves to fully online. Zoom will be utilized every lecture and available to students that are impacted by COVID or some other approved absence. Zoom lectures will not be recorded and will not be available after each lecture. The expectation is for students to attend class in person unless they have been approved to attend via Zoom. Access to the Zoom link can be found on OAKS or directly sent via email.

**Attendance:** It is difficult to be successful in this course without attending class. However, please do not attend in-person if you are sick or under quarantine/isolation. Students will be responsible for reporting directly to the instructor the reasons for all absences including but not limited to personal illness, COVID-related illness, a requirement that they isolate or quarantine, or the need to care for a family member who is ill due to COVID. If a student is being dishonest about an
illness or a COVID-associated absence, the Honor Code is in force and the student will be reported as a suspected Honor Code violation to the Dean of Students.

**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 used in lieu of attending class. I expect everyone to participate in class whether we are in person or virtual. If possible, please turn on your video during any virtual time together.

Withdraw Date:
The withdraw date for fall semester is Friday, October 29. If you withdraw from Math 111, you may have to drop Chem 111. If you drop Chem 111, you may have to drop Bio 111. We will work with you to evaluate your situation if you find you are struggling too much to succeed in your coursework. 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.**

- Exam 1: Friday, September 17
- Exam 2: Friday, October 15
- Exam 3: Friday, November 12
- Exam 4: Monday, December 6

**Final Exam:** The Final Exam will be comprehensive given on Wednesday, December 8, 10:30 am. The final will be the ACS standardized 70 multiple-choice question exam given within 110 minutes. If CofC moves to online only, the exam will not be the ACS exam but rather a departmental final.

**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.
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**Supplemental Instruction:** Nikki Chen will lead your supplemental instruction session. His email is chenn@g.cofc.edu. He will be arranging a variety of times when he will be available to work through problems with you. You are required to make an appearance at either office hours and/or supplemental instruction at least six times this semester.

**Synthesis Seminar (SS):** Your peer facilitator is Winter Hein (email: heinws1@g.cofc.edu). Synthesis Seminars will be held on Tuesdays 8:00 – 8:50 am in Bell South 400. Because this class is part of the First Year Experience Program, participation in the SS is mandatory. Your attendance at SS will count as 2% of your grade in this course. These are the easiest points you will earn in your college career. You will be allowed to miss one SS session without penalty to your attendance grade. For each absence after that, you will lose 15% of the attendance points.

You will have several assignments and small writing prompts as part of this coupled class. These assignments will contribute 5% to your grade. Your participation in this seminar will count both towards your grade in this course and your grade in your Biology 111 course. The same assignments will contribute to your grade in both Biology and Chemistry. More information on the assignments will come in a few weeks.

**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 58%
Final Exam 18%
Synthesis Seminar Attendance 2%
Synthesis Assignments 5%
Aleks Work 15%
Office Hour/SI Attendance/Deportment 2%

**Grading Scale:**

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

<table>
<thead>
<tr>
<th>Date</th>
<th>Event</th>
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<tbody>
<tr>
<td>8/24</td>
<td>First day of classes</td>
</tr>
<tr>
<td>9/25-26</td>
<td>Storm makeup days – Zoom only</td>
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<tr>
<td>10/29</td>
<td>Last day to withdraw from classes with grade of “W”</td>
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<tr>
<td>11/24-30</td>
<td>Thanksgiving Break</td>
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<tr>
<td>12/6</td>
<td>Last day of class</td>
</tr>
<tr>
<td>12/8</td>
<td>Final Exam, 10:30 am</td>
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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.

COVID guidelines: For the health and safety of yourself and those around you, you are required to wear a face-covering over both your nose and mouth while inside all campus buildings. This mask should fit well; there should not be gaps anywhere between your face and the mask. Also remember that students, faculty, and staff should not come to campus when
they feel unwell. Anyone with known contact with someone who is infected with COVID is required to follow CDC and CofC guidance, which states that unvaccinated people quarantine themselves away from others for 10-14 days after the last known contact and additionally get tested (negative test results do not eliminate the need to quarantine), while vaccinated people monitor themselves for symptoms and, if they become symptomatic, begin quarantine and testing. Additionally, per the CDC, fully vaccinated people should get tested 3-5 days after their exposure, even if they don’t have symptoms, and wear a mask indoors in public for 14 days following exposure or until receiving a negative test result.

**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/