Principles of Chemistry
Chem 111 Learning Community Fall 2019

Day/Time: MWF 10:00 – 10:50 am      Location: SSMB 127      CRN: 11382

Instructor Information:
Dr. Amy L. Rogers
E-mail: rogersaL@cofc.edu     Phone: 843-953-7292     Office: SSMB 308
Office Hours: Monday 12:30 - 1:30 pm, Tuesday 11:00 - 12:00 pm, 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 you to be taking Math 111 (co-req) or that you placed out of Math 111 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.

Attendance: It is difficult to be successful in this course without attending class. I do not take attendance in class after we have confirmed the class roll, but you will get a zero for any missed in class graded work. If you choose to miss class, it is your responsibility to find a classmate who will share their notes with you.
Participation: PowerPoint slides and handouts will be provided on OAKS. OneNote will provide all annotated class notes. I expect everyone to be in class and participate. This is the only way that I can evaluate the general understanding of the class. Participation will help determine grades of students on the borderline.

ALEKS: The ALEKS is comprised of two parts which makes up 10% of the grade in this class. One half of ALEKS percentage points are assigned based on your ability to finish objectives by the assigned deadlines. The other half is based on the entire course objectives completion (i.e., Is all your pie filled and mastered?). This is different than the ALEKS prep work which is due August 31 and will count for 5% of your overall grade.

Withdraw Date:
The withdraw date for fall semester is Friday, October 25. 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 13
Exam 2  Friday, October 11
Exam 3  Monday, November 4
Exam 4  Monday, December 2

Final Exam: The Final Exam will be comprehensive given on Wednesday, December 11, 8:00 am. The final is a standardized exam written by the American Chemical Society. It is a TIMED, multiple choice test. You will have 110 minutes to complete the 70 multiple-choice questions.

Makeups: There are NO makeup tests or quizzes. An unexcused absence on the day of an exam will result in a zero on that exam. If you have an excused absence documented by the Dean of Undergraduate Studies for documented illness or family emergency, your remaining test scores will all be weighted equally and more heavily towards the final course grade to compensate for the missed exam. If you are going to miss an exam, notify me ahead of time by phone message (my office or the chemistry office) or by email.

Even if you have a good excuse, you may not miss more than one exam. You will be dropped from the roll for excessive absence if you miss more than one exam.

Supplemental Instruction: Mikayla Cook will lead your supplemental instruction. Her email is cookma3@g.cofc.edu. She will be arranging a variety of times when she 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.
Center for Student Learning: The Center for Student Learning is located in the Addlestone Library, room 119, and has walk-in tutoring for several math and science courses, including Chem 111.

Optional Service Project: For the past ten years, this learning community has participated in the Lowcountry’s Beach Sweep. We tackle a section of downtown Charleston’s waterfront along Charleston Harbor. This year, Beach Sweep is on September 21, 2019. We usually start around 9am and are done by noon. If you like playing in the mud, this is for you!

Synthesis Seminar (SS): Wednesdays, 6:00 - 6:50 pm, Bell Building 400. Your peer facilitator is Sean Grund.

Because this class is part of the First Year Experience Program, participation in the synthesis seminar 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.

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

Grading Policy:

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<tr>
<th>Component</th>
<th>Percentage</th>
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<tbody>
<tr>
<td>Four Exams</td>
<td>58%</td>
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<tr>
<td>Final Exam</td>
<td>18%</td>
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<td>Aleks Prep (due Aug. 28 at 11 pm)</td>
<td>5%</td>
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<tr>
<td>Synthesis Seminar Attendance</td>
<td>2%</td>
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<tr>
<td>Synthesis Assignments</td>
<td>5%</td>
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<tr>
<td>Aleks Work</td>
<td>10%</td>
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<tr>
<td>Office Hour/SI Attendance/Deportment</td>
<td>2%</td>
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Grading Scale:

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

- Aug. 20: First day of classes
- Oct. 14-15: Fall Break – No class
- Oct. 25: Last day to withdraw from classes with grade of “W”
- Nov. 27- Dec 1: Thanksgiving Break
- Dec. 2: Last day of class
- Dec. 11: Final Exam, 8:00 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,
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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.

**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.

**Tips For Success:**

- **Attend all classes**
- **Be an active learner**
- Put in 2-3 hrs/day for each lecture class period.
- **Read textbook & do homework problems after each lecture**
- **Use resources to study** – chapter study goals, class notes, sample problems, homework, end-of-chapter reviews, and key terms in textbook
- **When confused, ask for help** – from instructor, friends, tutors
- **Stay Healthy**
- **DO NOT FALL BEHIND**

*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 in order 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.*

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/