**CHEM 111-01, 02 Principles of Chemistry I**  
**LC3A and LC3B, Chemistry and Biology for Pre-Med Students**

Fall 2017  
MWF, 10:00 - 10:50 am  
classroom: RSS 252

Dr. Wendy Cory  
Office: SSMB 314  
coryw@cofc.edu

Office Hours: Tuesday 2:30-3:30, Friday 12:00-2:00, or by appointment

**Co-requisite**  
CHEM 111L

**Pre- or 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 shouldn’t be taking this course yet.

**Course Goals:**  
To understand the introductory fundamentals of chemistry; to establish a strong foundation for upper-level courses; to appreciate the connections between the study of biology and chemistry.

**FYSS Peer Facilitators (PF):**  
Josh Chait and James Barton-Souza

FYSS meets Tuesdays 3:30-4:20 in SSMB 203 (both LC 3A and 3B).

Because this class is part of the First Year Experience Program, participation in the synthesis seminar is mandatory. 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. Students with more than 4 absences (excused or unexcused) from the Synthesis Seminar component of an FYE course will not fulfill their FYE requirement and will be required to take another FYE course. 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 each course. This means that if you choose to neglect this portion of the course, your grade will suffer twice. You will have several assignments as part of this coupled class. These add together to comprise 5% of your final grade.

**Supplemental Instructor (SI):**  
Rachel Mount

These are peer-assisted group study sessions. Session times and locations will be announced in class. Attendance is not required but highly recommended, because they will be extremely helpful in keeping up with the class and preparing for quizzes and tests. Rachel will be arranging weekly SI sessions to work through problems with you. This is a great opportunity for you to get help from an upperclassman who did well in this class, I strongly urge you to attend all of the sessions that you can. Problem solving is a big part of this class and the best way to do well is to practice solving problems.

**Class website:**  
Class notes and other info will be posted to our class website on OAKS throughout the semester.

**CHEM 111 Student Learning Outcomes:**

- 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

**Chemistry 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)
FYE Student Learning Objectives

- Identify and use the appropriate academic resources and student support services at College of Charleston. These would include the Addleston library, information technology, the Center for Student Learning, the Career Center, and other appropriate academic resources, student support services, and cultural resources.
- Use appropriate tools and search strategies for identifying particular types of information specific to the discipline
- Evaluate the relevance, quality, and appropriateness of different sources of information
- Recognize and classify the information contained within a bibliographic citation
- Access and use information ethically and legally
- Use appropriate critical thinking skills and problem-solving techniques in appropriate disciplinary contexts
- Make connections across disciplines and/or relevant experiences

Course Materials

- *Chemistry: Atoms First*, 3rd ed, by Julia Burdge and Jason Overby
  This class will cover Chapters 1-11. You will use this book again in CHEM 112, which covers the remaining chapters.
- You will need a **NON-programmable calculator** for exams. You will need to bring this calculator to class every day. Programmable calculators will not be allowed. I would suggest the following available at Amazon for $9 or less: **TI-30Xa Scientific Calculator**

E-mail: I communicate with the class using your @g.cofc.edu account.

Attendance: Do not miss class. If you choose to miss class, it is your responsibility to find a classmate who will share notes with you.

Homework: Homework assignments will not be graded. Problems from the book will be assigned for each topic we cover; it is recommended you do all homework problems as exams will be drawn in part from these types of problems. It is important that you keep up with homework as it is assigned, and see me as soon as possible with any questions. If you do not do the homework, or try to do it all on the night before a test, you will not perform well on the test.

Deportment: In this class, you are expected to be respectful of your teacher and other students. Talking, texting and computer use are prohibited. If you need to do these things, leave the room. Deportment is included in your final grade. It is important that you start presenting yourself as a serious, professional student when dealing with faculty and other students in the class. One day you will be asking for letters of recommendation; start thinking now about what you want those letters to say about you.

Quizzes: Quizzes will be given periodically at the beginning of class, and will be announced one class in advance. There will be no make-up quizzes. One quiz may be dropped with an Absence Memo from the Associate Dean of Students. No more will be dropped for any circumstances, no exceptions.

Tests: There will be 4 tests plus the final exam; see schedule on next page of syllabus. If you know that you will miss a test for a school-sponsored event, you must contact me as soon as possible (leave a voicemail or e-mail) so that you can take the test early. There are NO makeup exams. An unexcused absence on the day of a test will result in a zero on that test. If you have an excused absence documented by the Dean of Undergraduate Studies (http://studentaffairs.cofc.edu/services/absence.php) for any one of tests 1-4, your remaining three test scores will be weighted more heavily towards the final course grade to compensate for the missed test (see grading scheme on page 4 of syllabus.)
Even if you have a good excuse, **you may not miss more that one test.** You will be dropped from the roll for excessive absence if you miss more than one test. This means you will also be dropped from Biology 111.

**Final Exam:** The final exam is cumulative over the entire semester and is a timed (110 minute) American Chemical Society Standardized test. It is weighted to count as 20% of your overall grade. Do *NOT* be late. You should be on campus at least 30 minutes before the start of the final and should plan on being in your seat at least 5 minutes prior to the start of the final exam.

The following statement is from the Undergraduate Catalog:

> Examinations must be taken at the time scheduled except when:
> 1. Two or more exams are scheduled simultaneously.
> 2. The student has three or more examinations within a 24-hour period.

Permission to reschedule one exam may be obtained from the Office of the Registrar with written permission of the instructor and must be obtained prior to the first day of the exam period.

**Disability Services and SNAP:** Any student in this class who has a documented disability should speak to me as soon as possible, as well as contact the Center for Disability Services (CDS/SNAP program), located on the first floor of the Lightsey Center, Suite 104, (843) 953-1431, SNAP@cofc.edu

If you are a student with a documented disability who will require accommodations in this course, you must provide the proper documentation in the form of a Professor Notification Letter (PNL) **during the first week of class.** If you are certified to have extra time on tests and quizzes, this will need to be arranged with the SNAP office so that you can take it there. I will need the envelope for this test at least three school days (weekend days don’t count) before the test so that I can have it delivered to the SNAP office in time for you to take it there. The same applies to the final exam. No exceptions.

**Center for Student Learning (CSL):**

I encourage you to utilize the Center for Student Learning’s (CSL) academic support services for assistance in study strategies and course content. They offer tutoring, Supplemental Instruction, study skills appointments, and workshops. Students of all abilities have become more successful using these programs throughout their academic career and the services are available to you at no additional cost. For more information regarding these services please visit the CSL website at [http://csl.cofc.edu](http://csl.cofc.edu) or call (843)953-5635.

**College of Charleston Honor Code and Academic Integrity:** 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 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 F is permanent. 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, quiz 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. Research conducted and/or papers written for other classes cannot be used in whole or in part for any assignment in this class without obtaining prior permission from the instructor. Students can find the complete Honor Code and all related processes in the Student Handbook at http://studentaffairs.cofc.edu/honor-system/studenthandbook/index.php

Electronic Device Policy: The use of wireless communication devices during class is prohibited other than to respond to a Cougar Alert announcement. Cell phones must be on “silent” ring. The use of any wireless communication device during a quiz, test, or final exam is a violation of the Honor Code.

Test Schedule: The following are tentative dates for the exams, depending on school closing for weather. These dates are subject to change.

<table>
<thead>
<tr>
<th>Day</th>
<th>Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>Test 1</td>
<td>W September 13</td>
</tr>
<tr>
<td>Test 2</td>
<td>F October 6</td>
</tr>
<tr>
<td>Test 3</td>
<td>F November 3</td>
</tr>
<tr>
<td>Test 4</td>
<td>M December 4</td>
</tr>
<tr>
<td>Final exam</td>
<td>F Dec 8, 9:00 – 10:50 am</td>
</tr>
</tbody>
</table>

The last day to drop with a grade of "W" is Thursday, October 26.

Grading Scheme: Your final grade will be calculated by the following formula:

<table>
<thead>
<tr>
<th>Component</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>ALEKS Prep Assignment</td>
<td>5%</td>
</tr>
<tr>
<td>Tests 1-4:</td>
<td>57%</td>
</tr>
<tr>
<td>Quizzes</td>
<td>10%</td>
</tr>
<tr>
<td>Department</td>
<td>1%</td>
</tr>
<tr>
<td>Synthesis Seminar Attendance</td>
<td>2%</td>
</tr>
<tr>
<td>Synthesis Seminar Assignments</td>
<td>5%</td>
</tr>
<tr>
<td>Final Exam</td>
<td>20%</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td>100%</td>
</tr>
</tbody>
</table>

**please note: a person who misses any of tests 1-4, for whatever documented/excused reason, will have three test grades that contribute 57% to the final grade. No exceptions.**

Grading Scale:

<table>
<thead>
<tr>
<th>Letter</th>
<th>Number</th>
<th>GP</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>93-100</td>
<td>4.0</td>
</tr>
<tr>
<td>A-</td>
<td>90-92</td>
<td>3.7</td>
</tr>
<tr>
<td>B+</td>
<td>87-89</td>
<td>3.3</td>
</tr>
<tr>
<td>B</td>
<td>83-86</td>
<td>3.0</td>
</tr>
<tr>
<td>B-</td>
<td>80-82</td>
<td>2.7</td>
</tr>
<tr>
<td>C+</td>
<td>77-79</td>
<td>2.3</td>
</tr>
<tr>
<td>C</td>
<td>73-76</td>
<td>2.0</td>
</tr>
<tr>
<td>C-</td>
<td>70-72</td>
<td>1.7</td>
</tr>
<tr>
<td>D</td>
<td>65-69</td>
<td>1.0</td>
</tr>
<tr>
<td>F</td>
<td>Below 65</td>
<td>0.0</td>
</tr>
<tr>
<td>XF</td>
<td>Failure due to academic dishonesty</td>
<td>0.0</td>
</tr>
</tbody>
</table>