I. Course: Principles of Chemistry I

A. Catalog Description: An introductory course in chemistry emphasizing theoretical aspects and designed primarily for students intending to take one or more additional courses in chemistry.

B. Co-requisites and Prerequisites:

- CHEM 111L is a co-requisite for CHEM 111

If you drop the lab, you must drop the lecture. If you have passed the lab, you do NOT need to take the lab in order to retake the lecture; stop by the Chemistry Department office before or during the Drop/Add period to correct your schedule if this applies to you. DO NOT ATTEMPT TO DO THIS ON COUGAR TRAIL OR YOU WILL BE DROPPED FROM THE LECTURE AS WELL. The two courses (CHEM 111 and CHEM 111L) are graded independently of each other

- MATH 111 is a pre/co-requisite for CHEM 111

Unless students exempt MATH 111 (via diagnostic testing) or have completed this course as a prerequisite, they are required to take MATH 111 as a co-requisite

II. Course Resources

A. Text

Atoms First, Overby
We will cover Chapters 1 - 12

B. OAKS

PDFs of the lecture slides will be provided on OAKS. These are skeleton versions of the notes that I will lecture over while filling in details of the course material.

III. Important Dates

<table>
<thead>
<tr>
<th>Date</th>
<th>Description</th>
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<tbody>
<tr>
<td>06/02/20</td>
<td>First day of class</td>
</tr>
<tr>
<td>06/08/20</td>
<td>Test 1 Chapters 1 - 3</td>
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<tr>
<td>06/15/20</td>
<td>Test 2 Chapters 4 - 6</td>
</tr>
<tr>
<td>06/22/20</td>
<td>Test 3 Chapters 7 - 9</td>
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<tr>
<td>06/22/20</td>
<td>Last day to withdraw with a grade of “W”</td>
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<tr>
<td>06/29/20</td>
<td>Test 4 Chapters 10 - 12</td>
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<tr>
<td>07/01/20</td>
<td>Final Exam</td>
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IV. Course Assignments and Evaluation

A. Grades

Four Tests 80 % (20% per test)
Final Exam 20 %

<table>
<thead>
<tr>
<th>Letter Grade</th>
<th>Percentage</th>
<th>Letter Grade</th>
<th>Percentage</th>
<th>Letter Grade</th>
<th>Percentage</th>
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</thead>
<tbody>
<tr>
<td>A</td>
<td>94-100 %</td>
<td>C+</td>
<td>78-79 %</td>
<td>D-</td>
<td>60-63%</td>
</tr>
<tr>
<td>A-</td>
<td>90-93 %</td>
<td>C</td>
<td>74-77%</td>
<td>F</td>
<td>&lt; 60%</td>
</tr>
<tr>
<td>B+</td>
<td>88-89 %</td>
<td>C-</td>
<td>70-73 %</td>
<td></td>
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<tr>
<td>B</td>
<td>84-87 %</td>
<td>D+</td>
<td>68-69 %</td>
<td></td>
<td></td>
</tr>
<tr>
<td>B-</td>
<td>80-83 %</td>
<td>D</td>
<td>64-67 %</td>
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V. Learning Outcomes

- Explain the definition of chemistry and employ the scientific method
- Express common mathematical techniques in the solving of chemistry problems
- Understand the role of the atom in chemistry
- Distinguish, classify, and explain the properties of compounds
- Recognize and explain the fundamental nature of chemical reactivity
- Differentiate and describe the principles of the phases of matter

VI. General Education Learning Outcomes

The sequence CHEM 111/112 and associated labs satisfy the 8 hour natural science requirement of the College.

- Students apply physical/natural principles to analyze and solve problems
- Students explain how science impacts society

* The General Education learning outcomes will be assessed in the second course of the natural science sequence Chem 112/112L

VII. Course Policy

A. Attendance

Class attendance is to your benefit. With extremely small exception, performance in the course is directly proportional to attendance. Students are responsible for all information presented in class whether they are present or not. Students should obtain notes from a classmate, read the associated material in the text, and then come ask me questions.

Please note that an Absence Memorandum from the Office of Undergraduate Studies only verifies your documentation for missing a class. It does not entitle you to make up or be excused from any work, assignment or test.

B. Academic Integrity

One of the core values of the College is academic integrity. This course is conducted under the Honor Code (http://www.cofc.edu/StudentAffairs/general_info/honor_system/index.html) of the College of Charleston. Students at the College are bound by honor and by their acceptance of admission to the College to abide by the Code and to report violations. Faculty members are required to report violations of the Honor Code or Code of Conduct to the Office of Student Affairs. Conviction of an Honor Code violation in this class will result in the grade of "F" for the course. Please consult the department's Policy on Scientific Integrity (http://www.cofc.edu/~chem/advising/integrity.html).
C. Email

Email is considered an official method for communication at the College of Charleston. College of Charleston email accounts are automatically assigned to all students upon acceptance at the College. If a student wishes to have email redirected from their official College issued account to another email address (e.g. @aol.com, @hotmail.com, @yahoo.com, or any other server other than the official @edisto.cofc.edu), 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. The College is not responsible for the handling of email by outside venders or unofficial servers. A link to instructions on how to forward Edisto email can be found by clicking on Web Mail from the CofC home page. Students are expected to check their College of Charleston official email on a frequent and consistent basis in order to remain informed of College related communications. Checking email on a daily basis is recommended. Students have the responsibility to recognize that certain communications may be time-critical. “I didn’t check my email”, error in forwarding email, or email returned to the College with “Mailbox Full” or “User Unknown” are not acceptable excuses for missing official College communications via email.