COURSE PREREQUISITES OR CO-REQUISITES: Corequisite: Chemistry 111L. You must either be concurrently enrolled in the lab or else have already passed the lab. If either is dropped, both must be dropped. The two courses (CHEM 111 & 111L) are graded independently of each other. The last day to drop with a grade of "W" is Wednesday October 28, 2020. (Due to COVID-19 this policy is being relaxed. Please contact me before dropping the course).

PLEASE NOTE: CHEM 111 LABS START Monday August 31

REQUIRED MATERIALS
- Electronic Textbook & Learning System: ALEKS 360 Chemistry: Atoms First, 4th edition, Burdge & Overby (will also be used for CHEM 112) ALEKS 360 Code: 3ETQ4-YETRM
- A calculator that can perform exponents and logarithms (~$15); bring this calculator to all class meetings
- Reliable internet access

MATH COMPETENCY
Competency is assumed at the level of MATH 111 which includes basic algebra and graphing. It is also assumed that you have had some prior chemistry in high school. If you have not, you may wish to consider taking CHEM 103 as a prep to this course. This course will be offered during Express 2.

ACADEMIC SUPPORT SERVICES
The Center for Student Learning (CSL), is located on the first floor of Addlestone Library, and offers a wide variety of tutoring and other academic resources. Make use of the Math Lab and the Science Lab as needed. Supplemental Instruction (SI) is offered in conjunction with this section of CHEM 111. SI sessions give students a chance to work together with trained SI leaders to discuss course concepts, develop strategies for studying course material, work problems, and review notes. Brandon Williams will be our SI leader. All services are described and lab schedules are posted on the CSL website (http://csl.cofc.edu).

INSTRUCTIONAL OBJECTIVES
1. Students will understand the fundamental principles of the structure of matter, its properties, and reactions.
2. Students will learn about the application of chemistry to their everyday lives.
3. Students will gain an understanding of the language and symbolism used by chemists.
4. Students will have an appreciation of the impact of chemistry on our world.
5. Students will be prepared to pursue further studies in chemistry.

STUDENT LEARNING OUTCOMES:
1. Describe how to employ the scientific method
2. Solve chemistry problems by employing mathematical techniques and chemical reasoning
3. Understand how atoms interact covalently and non-covalently to form molecules and compounds
4. Identify the properties of compounds
5. Employ an understanding of chemical reactivity to analyze chemical reactions

STUDENT LEARNING OUTCOMES FOR NATURAL SCIENCES GENERAL EDUCATION COURSES
are assessed in the second semester of the two-course sequence CHEM 111/112.
1. Students apply physical/natural principles to analyze and solve problems.
2. Students demonstrate how science impacts society.
ACCOMMODATIONS FOR STUDENTS WITH DISABILITIES Any student eligible for and needing accommodations because of a disability is requested to speak with the professor during the first two weeks of class or as soon as the student has been approved for services so that reasonable accommodations can be arranged.

HONOR CODE AND ACADEMIC INTEGRITY

Lying, cheating, attempted cheating, and plagiarism are violations of our Honor Code that, when suspected, 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 misunderstanding and confusion will be handled by the instructor. The instructor designs an intervention or assigns a grade reduction to help prevent the student from repeating the error. The response is recorded on a form and signed both by the instructor and the student. It is forwarded to the Office of 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 XXF in the course, indicating failure of the course due to academic dishonesty. This status indicator will appear on the student's transcript for two years after which the student may petition for the XX to be expunged. The F is permanent.

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.

ATTENDANCE POLICY

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

This is the best way to contact me. Please start the subject line of all emails to me with “CHEM 111” and then add any further descriptor that you wish. Except on weekends, if you do not receive a response from me within 24 hours that means that most likely I did not receive your e-mail or that it got lost in the daily tsunami of emails, so please try again. Weekend emails may not be answered until Monday. Email via your CofC-issued email account is considered an official method for communication at the College of Charleston. Students are expected to check their College of Charleston official email on a daily basis. 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.

OAKS

OAKS is the Learning Management System used by the College of Charleston. OAKS, including Gradebook, will be used for this course throughout the semester to provide the syllabus and class materials and grades for each assignment, which will be regularly posted. It is accessed via mycofc.edu. It is where you may find the syllabus and ancillary course material that supplements the text and lecture (PowerPoint slides, answer keys, etc.) You should check the “News” section at least once between every class meeting.

RECORDING OF CLASSES (via ZOOM) Class sessions will be recorded via both voice and video recording. By attending and remaining in this class, the student consents to being recorded. Recorded class sessions are for instructional use only and may not be shared with anyone who is not enrolled in the class.

INCLEMENT WEATHER PANDEMIC, OR SUBSTANTIAL INTERRUPTION OF INSTRUCTION

If in-person classes are suspended, faculty will announce to their students a detailed plan for a change in modality to ensure the continuity of learning. All students must have access to a computer equipped with a web camera, microphone, and Internet access. Resources are available to provide students with these essential tools.
OFFICE HOURS

Times for office hours are posted in the header on page 1. During the first three weeks they will be held via Zoom. Should we return to campus they will be held in my office.

GRADING

This course is being administered using the mastery grading philosophy. Your goal is not to simply get a good grade in the course, but to master the material. I define mastery as to being able to score at least 90% on a module. You determine your grade in the course. The table below describes the breakdown for each grade option. You must meet all the specifications in the row to qualify for that particular grade. Plus and minus grades are awarded for exceeding or for not meeting all the specifications.

Examples:  17 of 21 modules but you score 87% on both the midterm and final would bump you up to a B+
17 of 21 modules, 92% on the midterm, and 92% on the final would give you A-
17 of 21 modules, 80% on the midterm, and 72% on the final would give you B-
17 of 21 modules, 72% on the midterm, and 72% on the final would give you C+

<table>
<thead>
<tr>
<th>GRADE*</th>
<th># of modules completed</th>
<th>Midterm</th>
<th>Final Exam</th>
<th>ALEKS</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>18 (90%)</td>
<td>&gt;90%</td>
<td>&gt;90%</td>
<td>&gt;90%</td>
</tr>
<tr>
<td>B</td>
<td>17 (81%)</td>
<td>&gt;80%</td>
<td>&gt;80%</td>
<td>&gt;80%</td>
</tr>
<tr>
<td>C</td>
<td>16 (76%)</td>
<td>≥70%</td>
<td>≥70%</td>
<td>≥70%</td>
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<tr>
<td>D</td>
<td>15 (71%)</td>
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<tr>
<td>F</td>
<td>14 (67%)</td>
<td>&lt;60%</td>
<td>&lt;60%</td>
<td>&lt;60%</td>
</tr>
</tbody>
</table>

* - all students must also score ≥90% on syllabus quiz and on the Learning Chemistry module

QUIZZES

Each module has an accompanying quiz. You will have an unlimited number of opportunities to take each quiz up until the final exam.

MIDTERM EXAM

The midterm exam will be comprehensive over the first half of the course. The date of the midterm will be announced ~ one week ahead of time. You will have only one attempt taking the midterm.

FINAL EXAM

The final exam will be comprehensive over the entire semester. You will have only one attempt taking the final exam. It will be administered during the time assigned for this class period per the College final exam schedule.

ALEKS

The grading for this AI learning tool is 50% objective completion and 50% pie completion.

EXTRA CREDIT

There are no opportunities for extra credit in the course. You determine your grade as described above.

The syllabus is subject to change by the professor at any time. All changes will be announced

LECTURE SCHEDULE

We will cover Chapters 1-11 in the text, in order. Check OAKS for continual updates.

FACEBOOK

The Department of Chemistry and Biochemistry has a Facebook page. It is used to announce opportunities for students (https://www.facebook.com/#!/CofC.Chemistry).

TWITTER

The School of Sciences Mathematics can be followed @CofCSSM.