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 Oct 24, 2018.

PLEASE NOTE: CHEM 111 LABS START JANUARY 8.

REQUIRED MATERIALS
Textbook: Chemistry: Atoms First, 3rd edition, Burdge & Overby
If you purchased the eBook the course URL is https://connect.mheducation.com/class/j-deavor-chem-111-spring-2019
Please note: It is not required that you purchase the eBook or do Connect. Calculator that can do exponents and logarithms (~$15): bring this calculator to all class meetings
Smart phone (iPhone or Android) or tablet; bring this 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.

ACADEMIC SUPPORT SERVICES
The Center for Student Learning (CSL), is located on the first floor of Addleston 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. Courtney Walsh will be our SI leader. All services are described and lab schedules are posted on the CSL website (http://csl.cofc.edu).

ACCOMMODATIONS FOR STUDENTS WITH DISABILITIES 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. I will need the envelope for the test at least two days before the test so that I can have it delivered to the SNAP office in time. The same applies to the final exam.

Academic Integrity: Students must abide by the College of Charleston Honor Code. Infractions will result in disciplinary action. Work submitted for a grade is to be done by each individual student without collaboration with others unless explicitly approved by the instructor. Use of electronic communication devices during a quiz or test will be deemed a violation of the Honor Code. Students can find the complete Honor Code and all related processes in the Student Handbook at http://www.cofc.edu/generaldocuments/handbook.pdf.
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.

ATTENDANCE POLICY
1. Attendance is expected at all classes.
2. Students are responsible for all information presented in class whether they are present or not.
3. It is imperative that you attend class and also to arrive promptly. It is extremely rude and discourteous to arrive late. If you arrive late for a quiz, test, or the final exam, instructions may not be repeated and you will not receive additional time to complete the assignment.
4. NO MAKE-UP QUIZZES OR TESTS ARE GIVEN. It is possible to arrange to take a test or quiz early. If you are a student-athlete, away from class due to other documented college-related business, or there is a conflict with a recognized religious holiday of your faith, an accommodation will be made if arrangements are made prior to the absence.
5. Please note that an Absence Memorandum from Health Services/Undergraduate Academic Services only verifies your documentation for missing a class. It does not entitle you to make up or be excused from any work, assignment, quiz, or test. You should obtain notes from a classmate, read the associated material in the text, and then come ask questions. If you miss picking up a graded quiz or test you should pick it up from my office as expeditiously as possible.

OAKS OAKS is the Learning Management System used by the College of Charleston. 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.

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<thead>
<tr>
<th>GRADING POLICY</th>
<th>Percentage</th>
<th>Letter Grade</th>
<th>Grade Point</th>
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<tbody>
<tr>
<td>Grading Scale</td>
<td>92-100</td>
<td>A</td>
<td>4.0</td>
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<tr>
<td></td>
<td>88-92</td>
<td>A-</td>
<td>3.7</td>
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<td></td>
<td>84-88</td>
<td>B+</td>
<td>3.3</td>
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<tr>
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<td>80-84</td>
<td>B</td>
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<td>78-80</td>
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<td>74-78</td>
<td>C+</td>
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<td>70-74</td>
<td>C</td>
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<tr>
<td></td>
<td>68-70</td>
<td>C-</td>
<td>1.7</td>
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<tr>
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<td>66-68</td>
<td>D+</td>
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<td>62-66</td>
<td>D</td>
<td>1.0</td>
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<tr>
<td></td>
<td>60-62</td>
<td>D-</td>
<td>0.7</td>
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<td>Below 60</td>
<td>F</td>
<td>0</td>
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Please note that should you receive a grade of C- or less you should not proceed to CHEM 112 without retaking this course.
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<thead>
<tr>
<th>Component</th>
<th>Percentage</th>
<th>Description</th>
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<tbody>
<tr>
<td>ALEKS Prep</td>
<td>5%</td>
<td>The assignment will count as 5% of the course grade and is due Tuesday January 15 at 11 p.m., no exceptions. The software package is called ALEKS and it will take each student through an individualized math and basic chemistry review. It is self-paced and the program will be different for each person, based on answers that you provide. If you are weak in an area, it will provide review material and more practice in that area. Some students will be able to complete the assignment quickly, and others will need more time. It covers the material in Chapter 1. The average time to completion is ~ 9 hours. Do not wait until the due date to complete this. Begin today and plan on 75 minutes per day until you complete this assignment.</td>
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<tr>
<td>Chem101 In-class &amp; out-of-class</td>
<td>5%</td>
<td>This will include both in class and out of class electronic assignments. You will need to download the Chem101 App on your smart device from the Apple App Store or from Google Play. You will need to bring to this device to every class. The student access code is 2J2T7V. This should be at no cost to you. Do “not” pay for this App.</td>
</tr>
<tr>
<td>Quizzes/Projects</td>
<td>10%</td>
<td>This includes in-class quizzes, OAKS quizzes, and several projects. If you miss a quiz or submit a project late it will be a zero. However, your lowest quiz/project grade will be dropped. There is a quiz on OAKS to regarding the course syllabus.</td>
</tr>
<tr>
<td>Tests</td>
<td>60%</td>
<td>Your lowest test grade will be replaced by your final exam grade if it is higher than your lowest test grade (e.g. if you miss a test it is a zero and in its place will be put the grade for the final exam). Material throughout the semester is cumulative. All tests may cover material from the start of the semester.</td>
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<tr>
<td>Final Exam</td>
<td>20%</td>
<td>The final exam is cumulative over the entire semester and is a timed 110-minute American Chemical Society Standardized test. 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. If you arrive late you will not be given additional time and instructions may not be repeated. Final grades will be posted on mycofc.edu. Requests for an alternate final exam time must be processed per college regulations no later than 5 p.m. on the last day of class. Failure to take the final exam will result in a grade of “X” which turns to an “F” after 48 hours. A departmental grading scale is used for the final.</td>
</tr>
<tr>
<td>EXTRA CREDIT</td>
<td>0%</td>
<td>Your grade is based solely on the items listed elsewhere in this syllabus.</td>
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**TIPS FOR SUCCESS**

1. Take responsibility for all material covered or assigned in class or assigned electronically.
2. Come to class. There are 168 hours in each week. You only have to devote 2.5 of them to coming to class.
3. Check the website in between each class for any updates.
4. Make at least one friend in the class with whom you can share notes if one of you is absent. Being part of a study group is a good strategy.
5. If no specific reading or homework assignments are made in class, you should minimally read ahead at least several sections and attempt the associated in-chapter and end-of-chapter problems.
6. Keep current in your studies. Do “not” fall behind. Do not cram. You should study chemistry at least five out of seven each week.
7. Quizzes and tests are cumulative. Failure to learn material at any point in the semester can negatively impact your performance later in the semester.
8. Check answer keys to see what and why you missed a question.
9. Come see Dr. D if you have questions or concerns.
10. Spend 2-3 hours of study for each hour that you are in lecture which equates to 6-9 hours per week. It may require more time to understand and master the material. In your admittance to CoFC you have proved that you have lots of ability. If you are willing to invest the time, you will learn an amazing amount, and be extremely pleased with what you accomplish. If you chose not to invest the time, you will not do well in this course.
11. Think about your learning. This is called metacognition. There are three videos in the Learning Chemistry Folder beneath the Flipped Classroom section under the Content tab on OAKS. A quiz on OAKS is associated with this material.

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

<table>
<thead>
<tr>
<th>Day</th>
<th>Date</th>
<th>Test #</th>
<th>Notes</th>
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<tbody>
<tr>
<td>T</td>
<td>Jan 8</td>
<td></td>
<td>First Day of Class/ CHEM 111 Labs begin</td>
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<tr>
<td>M</td>
<td>Jan 14</td>
<td></td>
<td>Drop/Add closes at 5 PM</td>
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<tr>
<td>T</td>
<td>Jan 15</td>
<td></td>
<td>Last Day to finish ALEKS Prep Assignment: 11 PM</td>
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<tr>
<td>T</td>
<td>Jan 29</td>
<td>Test 1</td>
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<tr>
<td>Saturday</td>
<td>Feb 23</td>
<td></td>
<td>Designated Storm Make-Up Day – if needed</td>
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<td>T</td>
<td>Feb 19</td>
<td>Test 2</td>
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<tr>
<td>M</td>
<td>Mar 25</td>
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<td>Last day to withdraw with a “W” from full semester classes</td>
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<td>R</td>
<td>Mar 14</td>
<td>Test 3</td>
<td></td>
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<td>R</td>
<td>Mar 18-22</td>
<td></td>
<td>No class; Spring Break</td>
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<td>R</td>
<td>April 11</td>
<td>Test 4</td>
<td></td>
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<tr>
<td>R</td>
<td>April 18</td>
<td></td>
<td>Last Day of Class for this course</td>
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<td>W</td>
<td>Apr 24</td>
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<td>Reading Day/ Q &amp; A Session</td>
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<tr>
<td>Thursday</td>
<td>May 2</td>
<td>Cumulative Final Exam</td>
<td>8:00 AM</td>
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Each week you are responsible for learning the names and atomic symbols for ten elements. Week One 1-10, week two, 11-20, etc.

**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, 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.

**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).

*The syllabus is subject to change by the professor.*

*All changes will be announced in class and posted on OAKS.*