Course instructor:  Dr. Marcello Forconi  
forconim@cofc.edu, SSMB 302, 843-953-3616  
Office Hours:  TBA

Course description:  
An introductory course in chemistry emphasizing theoretical aspects and designed primarily for students who intend to take one or more additional courses in chemistry. The chemistry and biology you learn this semester will serve as the foundation for all of the diverse areas of science that I hope you will go on to study during your time here at C of C.  
Note: Chem 111L and Math 111 are pre- or co-requisite courses.

Required materials:  
1. Chemistry: Atoms First, 2nd Ed. by Julia Burdge and Jason Overby  
2. A non-programmable calculator (e.g., TI-30Xa scientific calculator). Bring this calculator to every class meeting; you will need it for quizzes and exams. Programmable calculators are not allowed. Sharing a calculator with another student during a quiz or exam is not allowed.

General Education Student Learning Outcomes:  
- Students apply physical/natural principles to analyze and solve problems.  
- Students explain how science impacts society.  

Note: The general Education Learning Outcomes are assessed in the second semester of general chemistry in Chem 112/112L.

Learning outcomes of Chem 111:  
- Explain the definition of chemistry and employ 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

Course Materials:  
Course materials will be available to students on OAKS. You will need to print lecture notes and problems sets prior to coming to class to have them during class. The best use of our time together is when you are following along in the notes and working examples/problems with me.
Important dates:
The withdraw deadline is Friday, March 18th.
Tentative dates for Exams 1-4 (these are subject to change):
- Exam 1  2/2  Chapters 1, 2, and 3
- Exam 2  2/25  Chapters 4, 5, and 6
- Exam 3  3/29  Chapters 7, 8, and 9
- Exam 4  4/19  Chapters 10, 11, and 12

Date for the final exam:  Tuesday, April 26 from 12:00 pm (see below)
The last day of class is Tuesday, 4/19. Thursday 4/21 counts as a Monday.

Attendance policy:
We are required to take attendance for two weeks from the add/drop date. Students that
never once attended class in this period will be dropped from the course.
After that period, do not miss class. You will get a zero for any missed quizzes. If you choose to
miss class, it is your responsibility to find a classmate who will share their notes with you. I will
try to post slides on OAKS before the lecture, but I do not have copies of my notes for you. To
have notes for the class, you should come to class. Attendance in class is highly beneficial to
your grade. If you miss class, it is your responsibility to obtain notes from a classmate.
Attendance at exams, quizzes, and the final exam is mandatory. Attendance at the SI sessions is
highly recommended. Specific attendance issues are detailed under "Assessment" below.

Assessment:
1) LearnSmart Prep: You have received at least two emails before the beginning of this class
by Dr. Pamela Riggs-Gelasco, reminding of this online assessment. This is due January 18th. This
part will count 5% towards your final grade.

2) Exams: There will be four exams during the term. Bring your non-programmable
calculator to the exams. There are no make-up exams. Exact date of each exam will be
announced during the class. Please let me know of any conflict ASAP. The exams will determine
48% of your final grade. You are allowed to miss one exam due to illness or family emergency,
provided you acquire an Absence Memo. In that case, your remaining three exam grades will
each contribute 16% of your final grade. Absence for two or more exams for any reason will be
considered excessive absence, and your name will be removed from the class roster.

3) Quizzes: Short quizzes will be given periodically at the beginning of class. These quizzes
are designed to reward you for keeping up with your studying and for attendance in class. They
are also a measure of how well your studying is preparing you for upcoming exams; if you are
not passing the quizzes, you should put more time and energy into studying so that you do not fail the exams. You will not be able to take a quiz if you are not present at the beginning of class
on the day of the quiz. There are no make-up quizzes for any reason. Your lowest quiz grade
will be dropped when calculating your final grade. This policy allows you to miss one quiz
without penalty; no other quizzes will be dropped for any reason. Quizzes will contribute 7% to
your grade. This 7% will be assessed on both participation and correctness.

We will use Poll Everywhere to take quizzes. Please use the following link
(www.polleverywhere.com/register?p=2a2b-114p&pg=nytFix&u=tKnuR5Lw) to register to the
CHEM111_Sp16 polls. Make sure you register using your g.cofc account. Also, you will need to
log in before taking a poll. If you take a poll without logging into your account, your work will
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not be registered and you will not receive credits for the poll/quiz. PollEverywhere should be free to the CofC community.

4) Homework: The key to success in this class is doing chemistry problems again and again. If you are not working out problems every single day, you will not do well in this class. The tests will contain questions similar to problems from the homework, but they will not be identical. In fact, single tests questions will often contain multiple homework questions. You should practice working problems regularly; leaving all of your studying until the last minute is not likely to result in a passing grade.

You are expected to work through the end-of-chapter questions. These will NOT be graded or collected. Nonetheless, they are the key to your success. You should come to office hours and to the SI sessions with specific questions about problems you did not understand. Feel free to email me periodically with your questions. If you are not able to solve problems on your own, you will not be able to pass this class.

In addition, you will be graded on the online assignments, available at this web address http://connect.mheducation.com/class/m-forconi-chem-111-spring-2016-forconi

It is your responsibility to register to the course through the access code you find in your book. Also, it is your responsibility to learn how to work the problems! If you do not understand the problems, do not ask a friend to solve that problem for you! You have to learn how to do it on your own, otherwise you will not be able to pass the class!

I am very willing to help you, but for the most part, learning chemistry is a lonely, time-consuming and difficult lesson in self-discipline. Help is directed towards helping you in developing your way to solve problems; in other words, I will not give you solutions to the problems during your office visits (or our email sessions), but I will pose questions to help you finding the solution by yourself. Online homework is 15% of your grade.

5) Final exam: The final exam is a cumulative, timed, standardized exam written by the American Chemical Society. You will have 110 minutes to complete this 70-question multiple-choice exam. You will need to bring an appropriate pencil and a non-programmable calculator. Plan to be on campus at least 30 minutes before the start of the final exam and seated with your desk cleared at least 10 minutes prior to the start of the final exam so that you can begin filling in your name and other information on the scantron answer sheet. You must take the exam during our scheduled exam period, unless you follow the College's protocol for rescheduling a final exam prior to the first day of the exam period. This will determine 25% of your grade.
Grading policy and scale:

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<tr>
<th>Component</th>
<th>Percentage</th>
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<td>LearnSmart Prep</td>
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<td>Exams</td>
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<td>Online homework</td>
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<td>Quizzes</td>
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<td>Final Exam</td>
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Extra Credit:
There is no extra credit in this course. Please focus your attention on the actual credit in the course.

Course website and email:
Materials will be posted on the OAKS course website, and important announcements will be posted on OAKS or delivered via email. It is your responsibility to check your College email address and the OAKS site regularly.

Honor Code:
It is your responsibility to conform to the College of Charleston Honor Code and Code of Conduct. In this course, collaborative studying is encouraged, but all exams and quizzes are to be completed individually, without the use of notes, unauthorized electronic devices, or the work of others. Dishonesty and other violations of the Codes will not be tolerated.

SNAP (Students Needing Access Parity):
If you have a letter from the SNAP office and need academic adjustments or accommodations because of a disability, please contact me in a timely manner. If you have a disability and do not have a letter, please contact the SNAP office (http://disabilityservices.cofc.edu/).

Periodic table:
Throughout the course, we will be using the periodic table; please bring the attached periodic table with you to all classes.
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<th>PERIODIC TABLE OF THE ELEMENTS</th>
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