



GENERAL CHEMISTRY I SYLLABUS

CHEM 1010, Lecture Section 03, Fall Quarter 2016

M,W,F 8:00-8:50 Olin 205

Instructor: Dr. Ginelle Ramann (Ginelle.Ramann@du.edu)

Office Hours: MW 7:15-7:45, Olin 205A.

Objectives: This course is designed to emphasize the principles underlying chemistry, specifically in the areas of electronic transitions, trends in atomic properties, molecular shapes and polarity, molecular bonding models, and chemical equations and stoichiometry.

Required Course Materials

Textbook: Chemistry: The Molecular Nature of Matter and Change, 7th Ed., Silberberg and Amateis, (ISBN-13 9781259149054). This can be purchased two ways: **1.** As a print copy, which includes a subscription to McGraw-Hill Connect; or **2.** As just the Connect subscription, which includes ebook (SmartBook) access. This is available directly from McGraw-Hill at <http://www.mheducation.com/highered/product.1259224716.html>

The Connect website for this section can be found at <http://connect.mheducation.com/class/g-ramann-fall-2016-mwf-800>. You will be asked to register for the section.

Calculator: A simple scientific calculator (not graphing) is required for the course. This will be used for homework assignments, quizzes, and exams. *No phones, tablets, or computers are allowed during exams.*

Lectures

Lectures are scheduled from 8-8:50 a.m. MWF. The lectures are designed to supplement the chapter readings in the textbook. They will cover certain parts of the textbook material more deeply, and sample problems will be discussed and practiced.

Assessment Criteria

Your grade will be based on four assessment areas:

LearnSmart Assignments (via Connect Software): These modules test your understanding of chemical concepts, and the program will lead you through a series of questions depending on how confident you are in your answers and if you answer the questions correctly. Completion of LearnSmart activities are required and you will receive credit when you complete them on time; however, you will not be graded on how "fast" you get through or how many questions you answered correctly in the activity. They are meant to supplement your independent reading of the text. *These will be due by the start of class (8:00 a.m.) each Friday.*

Homework (via Connect Software): You will have weekly homework assignments in which you apply your knowledge of the weekly reading to answer problem sets. These are graded for completion as well as accuracy. *These will be due by 10:59 p.m. each Wednesday, with a 10% penalty for each hour they are late.* Additional homework/practice problems may be assigned at the instructor's discretion. These will be announced via Canvas and/or Connect.

Quizzes (via Connect Software): A weekly quiz will test your mastery of the assigned subject matter. The quiz questions will be closely related to the corresponding homework assignment and are to be completed outside class. *The quiz will be available beginning 8:00 a.m. on Thursday, must be completed within 30 minutes of starting, and must be submitted by 8:00 p.m. on Friday.*

Exams (in class): There will be three one-hour exams during the quarter, approximately three weeks apart. There will also be a two-hour final exam at the end of the quarter (Monday, November 21, 8:00-9:50 a.m.). *No make-up exams will be given; however, the grade given on the final will replace the lowest grade on a midterm exam.* This includes a missed exam.

You are responsible for checking Canvas and Connect for assignments, due dates, and grades. You must approach the instructor with any grading questions within one week of the grade being posted. The tentative points assigned to each area are as follows:

TASK	POINTS EACH	POINTS TOTAL
LearnSmart Assignments	5	50
Homework Assignments	Variable	700
Quizzes	25	250
Exams (midterms)	200	600
Exam (final)	200	200
TOTAL		1800

All grades will be posted and available for viewing on Canvas (www.canvas.du.edu). The tentative grading structure for the class is as follows, but is subject to change at the instructor's discretion, based on overall class performance.

A	A-	B+	B	B-	C+	C	C-	D+	D	D-	F
94	90	88	84	80	78	74	70	68	64	60	<60

Cell phone/laptop policy

In order to provide all students with a distraction-free learning environment, all cell phones must be silenced during lecture hours. If a phone call must be urgently taken, please quietly and respectfully leave the lecture hall. Also, the lecture time is provided as a learning opportunity; students are expected to be engaged in the material. Therefore, please refrain from texting or using your laptop for anything other than taking notes during the class.

Help outside class

The University of Denver provides a free help desk service in the Anderson Academic Commons called the Science Learning Center. The help desk is staffed with undergraduate learning assistants and graduate teaching assistants who are knowledgeable about the material covered in the course. This is also a great meeting place for group study sessions. The location of the SLC and staff schedule can be found at <http://portfolio.du.edu/SEC>.

Academic Dishonesty

There will be no tolerance for any form of academic dishonesty. This includes all assignments, quizzes, and exams. A student caught cheating will receive a grade of zero for that assignment, quiz, or exam, and a report will be filed with the Student Conduct Office. A repeat offense will result in failure of the course. For your reference, the Honor Code Student Conduct Policy and Procedures can be found at <http://www.du.edu/studentlife/studentconduct>.

Schedule of Lectures

The tentative schedule of lecture material is as follows. This is subject to change based on the needs of the class and the depth of material discussed.

LECTURE	DATE
Introduction to the course and Chapter One (Section 1.1)	9/12-9/16
Chapter Two (Sections 2.1, 2.2, 2.3, 2.4, 2.5)	9/19-9/23
Chapter Seven (Sections 7.1, 7.2, 7.3, 7.4)	9/26-9/30
EXAM ONE	Friday 9/30
Chapter Eight (Sections 8.1, 8.2, 8.3, 8.4)	10/3-10/7
Chapter Nine (Sections 9.1, 9.3, 9.3, 9.5) and Chapter 12 (Section 12.3)	10/10-10/14
Chapter Ten (Sections 10.1, 10.2, 10.3)	10/17-10/21
EXAM TWO	Friday 10/21
Chapter Eleven (Sections 11.1, 11.2, 11.3)	10/24-10/28
Chapter Two (Section 2.8), Chapter Three (Sections 3.1, 3.3, 3.4), and Chapter Four (Sections 4.1, 4.2, 4.3, 4.4, 4.5)	10/31-11/4
Chapter One (Section 1.4) and Chapter Five (Sections 5.1, 5.2, 5.3, 5.4, 5.5)	11/7-11/11
EXAM THREE	Friday 11/11
Chapter Six (Sections 6.1, 6.2, 6.3, 6.4, 6.5)	11/14-11/18
FINAL EXAM	11/21