

UNIVERSITY OF MASSACHUSETTS DARTMOUTH

Semester: Summer 2019
Course: CHM 151 Principles of Modern Chemistry I
Lecture: M-Th 9-12 – Science and Engineering 117
Instructor: Melissa A. Silvia, M.S.
Email: msilvia@umassd.edu
Office: Group 2/Room 302
Office Hrs.: M and W (12-1PM) or by appointment
Phone #: 508-910-6909

Required Text: Ebbing and Gammon, General Chemistry, 11th ed.

Required Items:

Students must bring a scientific calculator to each lecture. It is recommended that you have a three-ring binder to keep lecture notes, all graded assignments and other handouts.

Attendance:

Attendance at each class is mandatory and essential in order for you to successfully complete this course. If special circumstances arise and you must miss a class it is the student's responsibility to notify the instructor by email of intended absence prior to the class meeting. In addition, the student will be held responsible for any assignments that were due, all lecture notes and any quizzes or exams that may have taken place during the absence.

Course Overview:

CHM 151 is an introductory course primarily intended for engineering, biology and MLS majors and will cover the fundamentals of General Chemistry. For most students it will be followed by CHM 152. The goal this summer is to cover Chapters 1-10 in our textbook with the exception of chapter 5.

Homework:

Graded homework will consist of problems assigned through OWLv2 an Online Web-based learning program. The problems have been chosen by the instructor and are a combination of select on-line problems which includes some problems that may also be found at the end of each chapter. The website is <https://www.cengage.com/unlimited>.

Students purchasing the textbook through the University bookstore will have an OWLv2 access code bundled with the textbook. You may also purchase an access code separate from the textbook online at <https://www.cengage.com/unlimited>. Additionally, if you took CHM 151 in the Fall of 2018 or Spring 2019 at UMassD, the same access code for the e text and homework will work this summer. You are encouraged to register and login to OWLv2 as soon as possible since the first homework assignment will begin on the first day of class. Homework will have a start date and due date which will be listed on

OWLv2. Your homework must be completed during that time frame in order for you to receive any credit.

If you have any problems using OWLv2 please get in touch with the instructor ASAP. Since this is the only homework that will be graded this semester and is worth 15% of your total grade you are encouraged to put forth your best effort.

Additional homework problems may be found at the end of each chapter. All students especially those needing extra help are encouraged to do additional problems. Doing extra problems will help tremendously when it comes time for quizzes and exams. The back of your textbook has the answers to all odd numbered problems alternatively, you can purchase the Student's Solution Manual.

Graded Assignments:

The graded assignments in this course will consist of homework problems for each chapter (OWLv2), quizzes, worksheets, three one-hour exams and a final. The final will be cumulative and is scheduled for **July 11**).

The grading system and schedule for this course are listed below:

Grading System:

Homework	15%
Quizzes (worksheets)	20%
One Hour Exams	45% (3@15%each)
Final Exam	20%

Schedule: (this is a tentative schedule and is subject to changes announced during class)

<u>Date</u>	<u>In-Class Material</u>
June 11	Introduction to course/OWLv2/Chpt. 1
June 12	Chpt. 1/2
June 13	Chpt. 2
June 17	Chpt. 2/3
June 18	Chpt 3/Review for Exam
June 19	Exam 1
June 20	Chpt. 4
June 24	Chpt. 6
June 25	Chpt. 7
June 26	Review for Exam 2
June 27	Exam 2
July 1	Chpt. 8
July 2	Chpt. 9
July 3	Chpt. 9
July 4	No Class (4 th of July Holiday)
July 8	Chpt. 10/Review Exam 3

July 9
July 10
July 11

Exam 3
Review Course
Final

Academic Dishonesty Policy:

If a student is caught cheating on a quiz or exam or duplicating the work of his or her peers, he or she will be subject to the University's policies on academic dishonesty. These policies may be found in the undergraduate catalogue or by going to the following website: <http://www.umassd.edu/studenthandbook/academicregs/ethicalstandards.cfm>.

General Comments:

The biggest challenge for you as a student in CHM 151 this summer will be keeping up with the lecture material. There are a few strategies I have found that may help to keep you on track: (1) read each new Chapter prior to coming to class (2) following each lecture reread your notes and if time allows rewrite your lecture notes before coming to the next class (this is an excellent way to be prepared for quizzes and helps you to identify areas you may not understand) (3) completing each and every homework assignments to the best of your ability is essential to your success in this course in terms of points earned as well as practice for quizzes and exams (4) do not leave studying for the night before an exam, there will be too much information and this approach **will not work** in this course and (5) do not hesitate to ask questions and to seek extra help if needed.

There are several ways of obtaining help in chemistry courses:

- 1. The Instructor:** Do not hesitate to ask questions during or after class or visit me during my office hours. If those hours are not good for you, we can make an appointment for another time.
- 2. STEM Center:** Tutoring is available to all students and can be obtained free of charge by making an appointment with the Cooperative Learning Center in Group 2-217B

If you have any concerns at any point during the course please feel free to discuss them with me. Good luck and I look forward to a great summer together!