General Chemistry II

CHEM 032 | Section A | CRN: 10093

Instructor: Ramya Srinivasan, Ph.D.

Email: Ramya.Srinivasan@uvm.edu Lecture: MWF 12:00-12:50 (E102, Innovation)

Exams: M 6:40-9:40 PM (Venue based on lab section)

Office: Innovation E329 Office Hours: MW 2:00-4:00 PM *or by appointment*

Course Description:

This is the second semester of a two-semester course sequence. Topics include solutions, kinetics, equilibrium, acid-base chemistry, aqueous ionic equilibria, thermodynamics, electrochemistry, and nuclear chemistry.

Required Course Materials:

Textbook: Chemistry Structure and Properties; 2nd Ed.; Tro, N. Plus, Mastering Chemistry online access (ISBN: 978-0-13-429393-6) Three ways to obtain your textbook and Mastering Chemistry:

Online for approximately \$300; text and mastering

UVM bookstore for approximately \$160; text, solutions manual, and mastering

Digital access for approximately \$120; e-text and mastering

In addition to your textbook, we will be using an online program known as Top Hat for in class learning. You will receive an email invitation to sign up for Top Hat.

Lab Manual: ' ' ' ' ' ' ' ' ' ' ' A

Exams:

Dates for each exam are listed on the lecture schedule. These three exams will be given on Monday evenings from 6:40-9:40 PM. Only non-programmable, non-graphing calculators are permitted for these exams. You will not be allowed to use cell phones, laptops, tablets, or any programmable devices on exams. Students caught with any other electronic devices will receive a grade of zero for the exam.

Attendance at all examinations and labs is required. A grade of zero will be assigned to any student who misses an exam or lab except in the case of an excused absence. In the case of an excused absence it is the student's responsibility to inform the instructor of the absence BEFORE it occurs and make up work prior to that absence if at all possible.

The most important point in the preceding two paragraphs is that it is the student's responsibility to confer with the instructor prior to any anticipated absence. Failure to do so will result in the automatic assignment of a grade of zero to the lab or exam missed. There are some valid reasons for missing work, but not many. There are no valid reasons for failing to notify the instructor.

Review Sessions:

Review Sessions will be held in class and before exams. These sessions represent an opportunity for students to ask questions about homework and class topics in preparation for the exams. If you keep up with the course work on a daily basis you will be best prepared to benefit from these sessions. Attendance is expected.

toed shoes, safety eyewear, and your lab notebook. There is no eating or drinking allowed in the laboratory. Prior to the beginning of the first lab, please visit the lab website on BB, view safety presentation, and complete the safety quiz. Prior to each lab session, you must watch the video that accompanies the experiment you will be performing. These videos are very helpful and demonstrate the procedure and proper use of the chemicals/equipment. You will find the lab videos here: https://www.youtube.com/channel/UC8r6fR2K-8xAtsf-_a8edMg. All pre-lab quizzes are conducted during the first 10 minutes of your scheduled laboratory period. If you arrive late you will not be given extra time or allowed to make-up the quiz. The pre-lab write ups and post-lab reports are to be handed in to your TA at the beginning of your lab period. If you are late to your lab/recitation period points will be deducted for your work being handed in as late.

Grading:

Exams*: 3

Academic Integrity:

This policy addresses plagiarism, fabrication, cheating, and collusion.

http://www.uvm.edu/policies/student/acaintegrity.pdf

Code of Student Rights & Responsibilities:

http://www.uvm.edu/policies/student/studentcode.pdf

Center For Health & Wellbeing:

http://www.uvm.edu/~chwb/

Counseling & Psychiatry Services (CAPS):

http://www.uvm.edu/~chwb/psych/

If you are concerned about a UVM community member or a specific event, we encourage you to contact the Dean of Students Office at (802) 656-3380.

If you would like to remain anonymous, you can report your concerns online by visiting the Dean of Students website at:

http://www.uvm.edu/~saffairs/

Exam Schedule and location:

Exam 1: February 10th

Exam 2: March 2nd

Last day to withdraw: March 27th

Exam 3: April 13th

Final exam: May 7th

Your exam location is based on your lab section number.

Lab section: L1 – L8	Innovation E102
Lab section: L9 – L12	Innovation E105
Lab section: L13 – L24	Billings 101

<u>Lecture Schedule and Chapter Homework:</u>

Dates	Chapter	Practice Problems		
1/13 1/17	13	Ch13: #25 - #115 odds		
1/20	MLK Day – NO CLASS			
1/22- 1/24	13, 14	Ch14: #27 - #107 odds		

1/27

Jan 27 Jan 30	Laboratory Check-In & Recitation Experiment 1: Molar Mass Det from Freezing Point Depression (Ch 13)	Exp 1 Pre-lab Exp 1 Quiz
Feb 3 Feb 6	Recitation Experiment 2: Kinetics Iodination of Acetone (Ch 14)	Exp 1 Post-lab Exp 2 Pre-lab Exp 2 Quiz

Feb 10 Feb 13 Recitation Experiment 3:

^{*} All lab quizzes are conducted during the first 10 minutes of your scheduled laboratory period. If you arrive late you will not be given extra time or allowed to make-up the quiz.

^{*} The pre-labs and post-labs are to be handed in to your TA at the beginning of your lab period. If you are late to your lab/recitation period points will be deducted for your work being handed in as late.