

CHEM 23/25: OUTLINE OF GENERAL CHEMISTRY

Fall 2016

LECTURE A: CHEM 23 (90058) & CHEM 25 (90888), M,W,F 8:30AM-9:20AM, Marsh Life Sci 235

LECTURE B: CHEM 23 (91130) & CHEM 25 (90889), T,Th 8:30AM-9:45AM, Votey 105

GENERAL INFORMATION: (see also the CHEM23 BlackBoard page)

Instructor: Steve Flemer

Email: sflemer@uvm.edu

Office: A-335 Cook

Office Hours: M W F 9:30 AM - 10:30 AM
T Th 10:00 AM – 11:00 AM

Lecture: The lecture will primarily be used to cover new material. Included in this syllabus is a tentative schedule covering the text material and the corresponding problems to be worked from each chapter.

Exams: Three 2-hour exams are given on Thursday nights from 6:00-8:00 PM.

	Lecture A (M,W,F; 8:30-9:20 AM)	Lecture B (T,Th; 8:30-9:45 AM)
Exam 1	Thurs, Sept. 22; 103 Rowell	Thurs, Sept. 22; 101 Fleming
Exam 2	Thurs, Oct. 20; 103 Rowell	Thurs, Oct. 20; 101 Fleming
Exam 3	Thurs, Nov. 17; 103 Rowell	Thurs, Nov. 17; 101 Fleming
Final Exam	Thursday, Dec. 15; 7:30-10:15AM; 235 Marsh	Tuesday, Dec. 13; 1:30-4:15PM; 105 Votey

Absences from exams: Students with legitimate excuses (ie: a UVM-related conflict) may be permitted to take an exam sometime during the day that it is given to the rest of the class that evening. This must be cleared with the instructor first, however. **Makeup exams will only be administered after the scheduled exam time if a medical or family emergency precludes taking the exam at the scheduled time.**

Review Sessions: I will be holding Exam Review Sessions the Wednesdays prior to impending exams from 5:00-6:30PM in 235 Marsh Life Sci. Weekly SI sessions will also be starting

LABORATORY SCHEDULE

<u>Date</u>	<u>Experiment Description</u>
12 – 15 SEPT	<u>CHECK-IN</u> & Densities of Common Substances
19 - 22 SEPT	Determination of Heat Capacity Using Calorimetry
26 - 29 SEPT	Qualitative Analysis
3 - 6 OCT	Synthesis of Ionic Compound Alum from Aluminum Metal
10 - 13 OCT	<u>NO LABS</u> (Fall Recess on Monday)
17 - 20 OCT	Determination of a Compound's Empirical Formula
24 - 27 OCT	Reaction Stoichiometry & Equation Balancing
31 OCT – 3 NOV	Determination of Limiting Reactant
7 - 10 NOV	Determination of Acid Content in Pickle Juice using Titration
14 - 17 NOV	Determination of Limestone Content in Soil using the Ideal Gas Law
21 – 24 NOV	<u>NO LABS</u> (Thanksgiving Break)
28 NOV – 1 DEC	Acid-Base Equilibria and Buffers & <u>CHECKOUT</u>

