

CHEM 32A (94858): General Chemistry Fall 2019

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II. Laboratory

Lab Manuals: All experiments can be found online on your lab's BB website as individual pdfs. Please make sure you ***print out each experiment and bring to lab.***

Lab Notebook: A notebook with carbon-less copies is required for recording lab data. All data is to be recorded in ink (not pencil). A carbon-less copy lab notebook can be bought at UVM's bookstore.

Safety Eye Wear: Everyone in the lab must wear OSHA approved (EZ87stamped) safety glasses or goggles once any experimentation has been started. Students not observing this rule will receive a **ZERO** for the experiment, warnings will not be given. Safety eyewear can be purchased at the UVM bookstore or in the Discovery Building stockroom. ***Contact Lenses are a potential health hazard and can be worn in the laboratory only if no other types of corrective lenses are available. If you have to wear contact lenses then you must wear goggles and please let your TA know.***

Lab Attire: This is a chemical laboratory dress appropriately! It is best to wear full pants and a shirt with at least short sleeves. Shorts and short pants (capris, crops, etc.) are not allowed in the laboratory. Shirts that expose the shoulders, midriff, or back are also not allowed. Proper footwear is also necessary in the laboratory. Full shoes, preferably constructed of leather or other chemically resistant material, should be worn in when in the laboratory. Open toed shoes, open backed shoes, and shoes that expose the top or other portions of the foot are not allowed. If you arrive at lab in inappropriate attire, you will not be allowed to perform the experiment that day.

Prior to Start of Lab: Purchase your lab manual, lab notebook, and sd

III. Course Grade

Percent Ranges for Grades:

I cannot say in advance which point ranges correspond to which letter grades, but I will give approximate correlations throughout the semester following each of the exams. Please note that you are not competing with each other for grades in this course: if everyone scores in the "A-range," I will give everyone "A"s for the course (really!). I encourage you all to work together as you study, to help each other learn the material, but do also recognize that all graded work must be solely your own, so be prepared to work independently to demonstrate your mastery of the material.

How to Calculate Your Points:

- 1) Class = **750 total points** (75% of grade; exams and homework)
- 1a) Mid-Semester Exams = **450 points** (150 points/exam)
- 1b) Homework = **100 points** (12.5 points/assignment)
- 1c) Final Exam = **200 points**

There are three mid-semester exams (each 125 points) and a final exam (250 points). If your final is your lowest grade it

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2) Laboratory = **250 lab points**

IV. Lecture Schedule and Chapter Homework

Your Exam Location is based on your Lab Section Number. Go to the exam hall that corresponds to your Lab Section Number

September 18	Exam 1	(Innovation E432)
October 16	Exam 2	(Innovation E432)
October 28	Last Day to Withdraw	
November 20	Exam 3	(Innovation E432)
December 12	Final Exam	(10:30am-1:15pm; Innovation E430)

<u>Date</u>	<u>Chapter</u>	<u>End-of-Chapter Homework Problems</u>
Aug. 26 - Aug. 30	13	Ch13: 25,27,29,31,33,35,37,43,45,47,49,51,59,63,65,67,69,71,73,77,79,81,83,85,87,89,93,97,99,105,109,115
Sept. 2	LABOR DAY HOLIDAY	
Sept. 3 - Sept. 6	13 and 14	Ch14: 27,29,31,37,41,45,47,53,55,59,65,71,75,77,83,89,91,95,103,105,107
Sept. 09	LAST DAY TO ADD/DROP COURSE	
Sept. 9 - Sept. 13	14 and 15	Ch15: 21,23,27,29,31,33,35,37,39,41,45,47,49,53,55,59,63,65,67,69,71,73,75,79,81,83,89
Sept. 18	First Exam*	Chapters 13,14,15*
Sept. 16 - Sept. 20	15	
Sept. 23 - Sept 27	15 and 16	
Sept. 30 - Oct. 4	16	Ch16: 31,33,35,37,39,41,45,49,51,55,59,61,65,67,69,71,75,79,81,83,85,87,89,91,95,97,99,101,103,107,109,111,113,115,117,121,123,127,129,133,141
Oct. 7 – 11	16	
Oct. 14	FALL RECESS	

*Extent of exam material will depend on our progress in lecture.

<u>Dates</u>	<u>Chapters</u>	<u>End-of-Chapter Homework Problems</u>
Oct. 16	Second Exam*	Chapters 15,16*
Oct. 15 - Oct. 18	17	Ch17: 25,27,29,31,33,35,39,41,43,45,49,51,53,57,59,61,63,65,67,69,71,75,81,83,85,87,93,95,97,103,105,111,113,115,121,125
Oct. 21 -Oct. 25	17	
Oct. 28	LAST DAY TO WITHDRAW FROM COURSE	
Oct. 28 - Nov. 1	17 and 18	Ch18:31,35,37,39,41,45,47,51,53,55,59,61,67,71,73,75,85,87,93,101
Nov. 4 - Nov. 8	18 and 19	Ch19: 33,35,37,39,41,43,45,47,49,53,57,59,61,63,65,69,71,73,77,83,85,89,97,99,103,105,115,119
Nov. 11 - Nov. 15	19	
Nov. 20	Exam 3*	Chapters 17,18,19*
Nov. 18 - Nov. 22	19	
Nov. 25 -Nov. 29	THANKSGIVING HOLIDAY	
Dec. 2 – Dec. 6	20 and Review	Ch20: 31,33,35,37,41,45,51,57,61,71,73,81,83,89
Dec. 12	Cumulative Final Exam (10:30am-1:15pm; Innovation E430)	

*Extent of exam material will depend on our progress in lecture.

<u>Date</u>	<u>Experiment</u>	<u>Description*</u>
Nov 4 – 8	Experiment 8 Assignment Due	Thermodynamics of Borax Exp7: Lab Report Exp8: Prelab and Quiz
Nov 11 – 15	Experiment 9 Recitation 8 Assignment Due	Oxidizing Power of Bleaches Chapter 19 Exp8: Lab Report Exp9: Prelab and Quiz
Nov 18 – 22	Experiment 10 Recitation 9 Assignment Due	Electrolysis/Electroplating Chapter 19 Exp9: Lab Report Exp10: Prelab and Quiz
Nov 25 – 29	THANKSGIVING HOLIDAY	
Dec 2 – Dec 6	Check Out Recitation 10 Assignment Due	Chapter 20 Exp10: Lab Report

* 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.

VI. ACCESS Accommodations and Religious Holidays

Student Learning Accommodations Statement

In keeping with University policy, any student with a documented disability interested in utilizing accommodations should contact ACCESS, the office of Disability Services on campus. ACCESS works with students to create reasonable and appropriate accommodations via an accommodation letter to their professors as early as possible each semester.