

Spring 2020 CHEM 32C (10604)

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***

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

L1-L8 Innovation E102	February 10	Exam 1
L9-L12 Innovation E105	March 2	Exam 2
L13-L24 Billings I101	March 27	Last Day to Withdraw
L25-L30 Williams 301	April 13	Exam 3
L31-L36 Votey 105	May 7	Final Exam (4:30pm-7:15pm; Innovation E102)

<u>Date</u>	<u>Chapter</u>	<u>Homework Problems</u>
Jan 13 - 17	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
Jan 20	Martin Luther King Holiday	
Jan 20 - 24	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
Jan 27	Last Day to Add/Drop Course	
Jan 27 - 31	14	
Feb 3 - 7	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
Feb 10	First Exam*	Chapters 13,14,15*
Feb 10 - 14	15 and 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
Feb 17	Presidents Day	
Feb 17 - 21	16	
Feb 24 - 28	16	
Mar 2	Second Exam*	Chapters 15,16,17*

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

Mar 2 - 6	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
Mar 3	Town Meeting Day	
Mar 9 - 13	SPRING BREAK	
Mar 16 - 20	17	
Mar 23 - 27	17 and 18	Ch18:31,35,37,39,41,45,47,51,53,55,59,61, 67,71,73,75,85,87,93,101
March 27	L	

V. Laboratory Schedule

<u>DATE</u>	<u>EXPERIMENT</u>	<u>DESCRIPTION*</u>
Jan 13 - 16	No Lab	No Lab
Jan 20 - 24	MLK Day	No Lab
Jan 27 - 31	Check In Experiment 1 Recitation 1 Assignment Due	Freezing Point Depression Chapter 13 Exp1: Prelab and Quiz
Feb 3 - 7	Experiment 2 Recitation 2 Assignment Due	Iodination of Acetone Chapter 14 Exp1: Lab Report Exp2: Prelab and Quiz
Feb 10 - 14	Experiment 3 Recitation 3 Assignment Due	Keq of FeSCN^{+2} Chapter 15 Exp2: Lab Report Exp3: Prelab and Quiz
Feb 17 - 21	Presidents Day Assignment Due	No Lab Exp3: Lab Report (hand in to TA)
Feb 24 - 28	Experiment 4 Recitation 4 Assignment Due	Acid Neutralization of Anti-Acids Chapter 16 Exp4: Prelab and Quiz
Mar 2 - 6	Town Meeting Day Assignment Due	No Lab Exp4: Lab Report (hand in to TA)
Mar 9 - 13	Spring Break	No Lab
Mar 16 - 20	Experiment 5 Recitation 5 Assignment Due	Acid-base Equilibria and Buffers Chapter 16 and 17 Exp5: Prelab and Quiz
Mar 23 - 27	Experiment 6 Recitation 6 Assignment Due	K_{sp} of Copper (II) tartrate Chapter 17 Exp5: Lab Report Exp6: Prelab and Quiz
Mar 30 – Apr 3	Experiment 7 Recitation 7 Assignment Due	Thermodynamics Hot/Cold Packs Chapter 18 Exp6: Lab Report Exp7: Prelab and Quiz

Apr 6 - 10

Experiment 8
Assignment Due

Thermodynamics of Borax
Exp7: Lab Report
Exp8: Prelab and Quiz

Apr 13 - 17

Experiment 9

