Spring 2017 CHEM 32C (10738)

Lecturer: Erik Ruggles, Ph.D.

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Office Hours:

T Th	10:00am – 1:00pm
T Th	3:00pm – 4:00pm
W	10:00am – 2:00pm

or by appointment

Lecture Time: T Th 4:25 – 5:40 pm

Location: Marsh Life 235

Lecture

Lecture: The lecture each week will be used primarily to cover new material. Included in the syllabus is a tentative schedule covering the topics and timing of the lecture, reading material, and

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

2) Laboratory = **200 lab points** (20% of grade)

Prelab (2 pts/per)		20 points
Lab Reports (10 pts/per)		100 points
Prelab Quizzes (8 pts/per)	+	80 points
		200 points

(Obtained from the lab TA, the average grade is normally an 80% or 160 points)

3) Course Grade Determination

Example 1:

631.6 class points

\+ 162 lab points

793.6. total points/1000 possible = 79.4% = B-

Example 2:

561.88 class points

\+ 162 lab points

723.88 total points/1000 possible = 72.3% = C

Academic Integrity

Offenses against the Code of Academic Integrity (i.e. cheating) are deemed serious and insult the integrity of the entire academic community. Any suspected violations of the code are taken very seriously and will be forwarded to the Center for Student Ethics and Standards for further investigation.

Schedule and Homework Problems:

February 8 Exam 1

Mar 7	**Town Meeting Day**	
Mar 8	**Second Exam**	**Chapters 13, 14**
Mar 9 - 10	15	Ch15: 1,3,5,13,15,16,18,20,25,26,28,31,35,40, 51,55,56,59,60,63,68,72,77,78,81,84,85,87,90, 91,93,98,99,101,103,104,111,113,123,125,129 ,131,135,137,149
Mar 13 - 17	**SPRING BREAK**	
Mar 20 - 24	15	
Mar 27 - 31	15	
Apr 3	**Last Day to Withdraw from Course**	
Apr 3 - 4	Review	
Apr 5	**Third Exam**	**Chapters 15**
Apr 6 - 7	17	Ch17: 2,13,17,21,25,27,29,32,35,38,41,46,47, 49, 53,57,62,71,74,77,85,98
Apr 10 - 14	17	
Apr 17 - 21	21	Ch21: 9,19,24,26,28,33,39,41,47,49,65,68,77, 81,91,96
Apr 24 - 25	Review	
Apr 26	**Fourth Exam**	**Chapters 17,21**
Apr 27 - 28	21	
May 3	**ACS Assessment**	
May 1 - 5	Review	
May 11	**Cumulative Final Exam**	(4:30-7:15pm; Marsh Life 235)

Laboratory Schedule

DATE	EXPERIMENT
Jan 17 - 20	**No Lab**
Jan 23 - 27	Check In
Jan 30 - Feb 3	Molar Mass from Freezing Point Depression
Feb 6 - 10	Hot and Cold Packs
Feb 13 - 17	Iodination of Cyclohexanone
Feb 20 - 24	**Presidents Day** - **No Lab**
Feb 27 –Mar 3	Keq of $FeSCN^{+2}$
March 6 - 10	**Town Meeting Day - No Lab**
Mar 13 - 17	**Spring Break** - **No Lab**
Mar 20 - 24	Thermodynamics of the Dissolution of Borax
Mar 27 - 31	Acid-base Equilibria and Buffers
April 3 - 7	Acid Neutralization of Anti-Acids
April 10 - 14	K_{sp} of Copper (II) tartrate
April 17 - 21	Oxidizing Power of Bleaches
April 24 - 28	Electrolysis/Electroplating Check Out
May 1 – 12	**No Lab**