

CHEM 31 (60053): General Chemistry Summer 2018

I. Lecture

Lecturer: Erik Ruggles, Ph.D.

Office: Hills 105

Email:

II. Laboratory

Lecture Time: Mon Wed, 1:00 4:00pm **Location:** Discovery Bldg. W205, W207, or W208

Lab Manuals:

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-

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 c2 18 (fo) (n) JTB 1 0 0 store 7265 wor1 (n) 2025 t 18 (n) 12 (n) 1 0 r 0) 0 Fy 12 T2 (on) 02.yk) JTB 0) 05 EB 0**

III. Course Grade

Percent Ranges for Grades:

	A-	85	B-
C- 3			D-

How to Calculate Your Points:

- 1) Class = **750 total points** (75% of grade; exams and homework)
- 1a) Mid-Semester Exams = **525 points** (175 points/exam)
- 1b) Final Exam = **225 points**

There are three mid-semester exams (each 175 points) and a final exam (225 points). If your final is your lowest grade it will count only as one unit. If one of the mid-semester exams is your lowest grade then your final will count as two units. The lowest mid-semester exam grade will be replaced by the percentage on the final. If you are absent from an exam official documentation of sickness or family crisis is required or you will receive a **ZERO** for the exam. Students with legitimate excuses will be permitted to take the exam early. Except in very unusual circumstances makeup exams will not be administered after the scheduled exam time.

Example 1:

	Exam 1	Exam 2	Exam 3	Final
Actual:	148.75 (85%)	78.75 (45%)	136.5 (78%)	168.75 (75%)
Counted:	148.75 (85%)	131.25 (75%)	136.5 (78%)	168.75 (75%)
Total = 585.25 points				

Example 2:

	Exam 1	Exam 2	Exam 3	Final
Actual:	122.5 (70%)	136.5 (78%)	133.0 (76%)	153.0 (68%)
Counted:	122.5 (70%)	136.5 (78%)	133.0 (76%)	153.0 (68%)
Total = 545.0points				

2) Laboratory = **250 lab points** (25% of grade)

Safety Quiz	1 point
Prelab (3 pts/per)	27 points
Lab Reports (15 pts/per)	150 points
Quizzes (8 pts/per)	<u>72 points</u>
	250 points

3) Course Grade Determination

Add up your points from class and lab and then use the chart at the beginning of this section to determine your course grade.

Example 1:

$$\begin{array}{r} 585.25 \text{ class points} \\ + \quad \underline{200 \text{ lab points}} \\ \hline 785.25 \text{ total points} \end{array}$$

IV. Lecture Schedule and Chapter Homework

<u>Dates</u>	<u>Chapters</u>	<u>End-of-Chapter Homework Problems</u>
May 21	E and 1	ChE: 19,21,23,25,27,29,33,37,39,41,45,47,49,51,53, 55,59,61,65,71,73,75,79,81,87,89,91,95,99, Ch1: 35,39,43,45,49,53,55,57,59,61,63,65,67,71,75, 77,79,83,85,87,89,91,93,97,103,105,107,109,117,
May 22	1 and 2	Ch2: 35,37,39,41,43,51,53,55,57,59,61,63,65,67,69, 71,73,79,85,89,91
May 23	2	
May 24	3	Ch3: 41,43,45,47,49,51,53,55,57,59,61,63,65,67,69, 71,73,75,77,79,81,83,87,89,91,93,95,97,101,103,109, 115,127,135
May 25	EXAM 1*	Chapters 1, 2, and 3
May 28	Memorial Day Holiday	
May 29	4	Ch4: 29,31,33,35,37,39,43,45,47,49,51,53,55,57,61, 63,65,67,69,71,75,77,79,83,87,93,95,97,101,103,105, 109,111,117,119,121,123,125,127,137
May 30	5	Ch5: 23,25,27,29,31,35,37,41,43,45,47,49,51,53,55, 57,59,61,63,65,69,71,73,75,79,81,83,85,91,95,97,99, 101
May 31	5 and 6	Ch6: 25,29,31,33,35,39,41,43,45,49,51,53,55,57,59, 61
June 1	EXAM 2*	Chapters 4, 5, 6 and 11
June 4	11 and 7	Ch11: 35,37,39,41,43,45,47,49,51 Ch7: 15,17,19,21,23,25,27,29,31,33,35,37,39,41,43, 45,47,49,53,55,57,61,63,65,67,69,71,75,81,85
June 5	7 and 8	Ch8: 21,23,25,27,29,31,33,35,37,39,41,43,45,47,49, 51,53,55,57,59,61,63,65,67,69,71,73,75,77,79,81,87, 91,93,99

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

June 6	8 and 9	Ch9: 31,33,35,37,39,41,43,45,47,49,51,53,57,59,61,63,65,67,69,71,73,75,77,79,81,83,85,87,89,91,93,95,99,101,107,111,113,117,119,123
June 7	9	
June 8	EXAM 3*	Chapters 7, 8, and 9
June 11	10	Ch10: 25,29,31,33,35,37,39,41,43,45,47,49,51,53,55,57,59,61,63,67,69,71,73,77,79,81,83,85,87,89,91,93,95,99,101,105,107,113,123,125,127
June 12	11 Review	Ch11: 53,57,59,61,63,65,67,69,71,73,77,81,85,87,93
June 13	Review	
June 14	Review	
June 15	Final Exam	Cumulative

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

V. ACCESS Accommodations and Religious Holidays