

# CHEM 31D (90867): General Chemistry Fall 2015

## I. Lecture

**Lecturer:** Erik Ruggles, Ph.D.

**Office:** A237 Cook

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**Office Hours:**

M W F:	10:00	11:30am
M W F:	1:00	2:00pm
T Th:	10:00am	12:30pm

or by appointment

**Lecture Time:**

## II. Laboratory

**Lab Manuals:** All experiments can be found online on the Sapling 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-

**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



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

Sapling Intro Quiz	10 points
Lab Safety Quiz	10 points
Laboratory Technique (2 pts/per)	18 points
Prelab (2 pts/per)	18 points
Lab Reports (10 pts/per)	72 points
Prelab Quizzes (8 pts/per)	+ <u>72 points</u>
	200 points

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

$$\begin{array}{r} 631.6 \text{ class points} \\ + \quad \underline{160 \text{ lab points}} \\ \hline 793.6 \text{ total points}/1000 \text{ points} = 79.4\% \text{ B-} \end{array}$$

Example 2:

$$\begin{array}{r} 561.88 \text{ class points} \\ + \quad \underline{160 \text{ lab points}} \\ \hline 723.88 \text{ total points}/1000 \text{ points} = 72.4\% \text{ C+} \end{array}$$

## 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.**

## IV. Lecture Schedule and Chapter Homework

<u>Dates</u>	<u>Chapters</u>	<u>End-of-Chapter Homework Problems</u>
Aug. 31-Sept. 4	1	Ch1: 9,12,16,21,26,28,30,41,46,53,55,59,67,69,83,87,93,95,98,106,110,117,122,125
Sept. 7	<b>LABOR DAY HOLIDAY</b>	
Sept. 8-Sept. 11	2	Ch2: 6,13 thru 24,31,39,41,47,50,53,57,61,69,72,77,81,85,98,106,111
	3	Ch3: 2,4,8,14,32,34,37,44,47,49,52,57,61,67,69,72,77,81,85,89,91,97,101,113,117,121,126
	9.6	Ch9: 19
<b>Sept. 14</b>	<b>LAST DAY TO ADD/DROP COURSE</b>	
Sept. 14-Sept. 18	3 and 4	Ch4: 2,5,10,11,13,26,27,31,33,37,43,46,50,53,55,57,60,63,65,71,75,98,101,107,111,114,117,120
Sept. 21-Sept. 22	REVIEW	
<b>Sept. 22</b>	<b>EXAM 1</b>	<b>Chapters 1, 2, 3, 4.1-4.6, and electronegativity 9.6</b>
Sept. 23-Sept. 25	5	Ch5: 4, 9, 29, 33, 35, 37, 40, 41, 44, 46, 48, 51, 55, 59, 61, 63, 67, 71, 73, 76, 79, 81, 83, 87, 92, 93, 97, 100, 104, 105, 108, 117, 122
Sept. 28-Oct. 2	5 and 6	Ch6: 6,10,11,13,15,19,21,25,32,35,39,42,44,46,49,53,56,58,61,64,67,71,74,77,80,83,85,87,91,97,102,106,110,113,
Oct. 5-Oct. 9	6	
Oct. 12-Oct. 13	REVIEW	
<b>Oct. 13</b>	<b>EXAM 2</b>	<b>Chapters 5 and 6</b>
Oct. 14-Oct. 16	7	Ch7: 2,5,7,9,12,16,20,26,32,34,39,42,45,52,58,60,63,68,71,73,76,78,82,86,92,
Oct. 19-Oct. 23	8	Ch8: 7,11,15,16,23,25,28,32,35,37,42,43,47,48,51,53,55,58,61,64,65,68,72,75,78,80,83,85,89,91,93,99,105,110

<u>Dates</u>	<u>Chapters</u>	<u>End-of-Chapter Homework Problems</u>
Oct. 26-Oct. 30	9.1-9.3,9.5,9.7-9.9	Ch9: 3,15,19,21,26,28,32,37,51,55,60,63,65,70, 72,73,76,79,81,84,87,95,98,105,110,112
<b>Nov. 2</b>	<b>LAST DAY TO WITHDRAW FROM COURSE</b>	
Nov. 2-Nov. 3	REVIEW	
<b>Nov. 3</b>	<b>EXAM 3</b>	<b>Chapters 7, 8, 9.1-9.3, 9.5-9.9</b>
Nov. 4-Nov. 6	10.1-	



