

# CHEM 31E (91202): General Chemistry Fall 2016

## I. Lecture

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

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**Office Hours:** T Th: 10am-12pm, 2pm-4pm  
W: 2pm-6pm  
or by appointment

**Lecture Time:** T Th 4:25 – 5:40 pm

**Location:** Billings Ira-Allen I101

**Lecture:** The lecture each week will be used to cover new material and concepts along with sample problem solving. Live lecture notes I present in class will be posted on Blackboard (BB) after each class.

**Textbook:** "Chemistry An Atoms-Focused Approach" 3<sup>rd</sup> Ed., by Gilbert (Full text ISBN: 978-0393912340) can be purchased at the UVM bookstore. The solutions manual comes with the text and has the complete solutions to all the assigned problems. The study guide while not required can be a great help during problem solving.

**Problems:** Problem sets and Smartwork exercises will be assigned after each lecture and a complete list for the textbook can be found on page 5 of the Syllabus. I strongly encourage you to do as many problems as possible, the more you practice the better you will get. Also posted in Course Materials on BB, blank old exams from my 2014 and 2015 classes as well as their answer keys. These are a great way to evaluate what you understand and what you do not. Remember though that test questions will change but the format and concepts will remain the same. ***Do not study with just the old exams!*** Also there are sample ho

## 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 Cook A143. ***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 g***

### III. Course Grade

#### Percent Ranges for Grades:

A+	96	A	90	A-	88	B+	85	B	80	B-	77	C+	72
C	65	C-	63	D+	60	D	56	D-	53	F	51		

#### How to Calculate Your Points:

~~Grade = 100 total points (100% of grade, exams and homework)~~

Exams = **500 points** (100 points/exam; unweighted)

500 exam points X 1.44 = **720 weighted exam points**

SmartWorks Homework = **80 points**

Only five grades are counted for your class points. If your final is your lowest grade it will count only as one unit. If one of the hour exams is your lowest grade then your final will count as two units. The lowest hour exam grade will be replaced by the grade 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.

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)	+ <u>80 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:

$$\begin{array}{r} 631.6 \text{ class points} \\ + \underline{160 \text{ lab points}} \\ \hline 793.6 \end{array}$$

793.6 total points



<u>Dates</u>	<u>Chapters</u>	<u>End-of-Chapter Homework Problems</u>
<b>Oct. 31</b>	<b>LAST DAY TO WITHDRAW FROM COURSE</b>	
Oct 31 - Nov. 1	REVIEW	
<b>Nov. 2</b>	<b>EXAM 3</b>	<b>Chapters 6<sup>*</sup>, 7, and 8</b>
Nov. 3- Nov. 4	9	Ch9: 2,4,15,17,19,23,29,32,35,41,45,47,51,53,55,59,63,65,69,73,77,83,87,91,96,103,109,115,119,123
Nov. 7 - Nov. 11	9 and 10	Ch10: 3,7,13,19,21,25,29,33,43,49,53,57,61,65,67,71,73,75,77,83,85,89,91,93,95,99,105,107,113,115,117,123,139,143,147
Nov. 14 - Nov. 18	10	



## V. 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. Contact ACCESS: A170 Living/Learning Center - 802-656-7753 - [access@uvm.edu](mailto:access@uvm.edu).*

ACCESS Office: <http://www.uvm.edu/~access/>

Policy on disability certification and student support:

<http://www.uvm.edu/~uvmppg/ppg/student/disability.pdf>

### Religious Holiday Policy Statement

*Religious Holidays: Students have the right to practice the religion of their choice. If you need to miss class to observe a religious holiday, please submit the dates of your absence to me in writing by the end of the second full week of classes. You will be permitted to make up work within a mutually agreed-upon time.*