

CHEM 31E (90953): General Chemistry Fall 2017

I. Lecture

Lecturer: Erik Ruggles, Ph.D.

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Office Hours: T Th: 10am-12pm, 2pm-4pm
W: 8:30am-2pm
or by appointment

Lecture Time: T Th 4:25 5:40 pm

Location: Billings Lecture Hall 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: There are three options to purchase nd Ed., by Tro (Full text ISBN-13: 978-0-13-429393-6) along with Mastering Chemistry online access. 1) It can be purchased at an online site (~\$300; text and mastering), or 2) at the UVM bookstore (~\$160; text, solutions manual, and mastering), or 3) digital access (~\$120; etext and mastering). The digital solutions manual will be provided for free but also comes with the UVM package and has the complete solutions to all the assigned problems. The most bang for your buck is the UVM bookstore package.

Problems: Problem sets and Mastering Chemistry 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 2015 and 2016 classes as well as their answer keys

II. Laboratory

Lab Manuals: All experiments can be found online on your BB website as individual pdfs. Please make sure you ***print out each experiment and bring to lab***

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

Safety Quiz	1 point
Prelab (3 pts/per)	27 points
Lab Reports (15 pts/per)	100 points
Quizzes (8 pts/per)	<u>72 points</u>
	250 points

3) Course Grade Determination

Add up your points from class a

IV. Lecture Schedule and Chapter Homework

Exam 1 September 18

ACS December 4 (extra credit)

Exam 2 October 16

Final December 12 (Billings I101; 4:30-7:15 pm)

Exam 3 November 13

<u>Dates</u>	<u>Chapters</u>	<u>End-of-Chapter Homework Problems</u>
Aug. 28 - Sept. 1	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,
Sept. 4	LABOR DAY HOLIDAY	
Sept. 5 - Sept. 8	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
Sept. 11	LAST DAY TO ADD/DROP COURSE	
Sept. 11 - Sept. 15	2	
Sept. 18	EXAM 1*	Chapters E, 1, and 2,
Sept. 18 - Sept. 22	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
Sept. 25 - Sept 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
Oct. 2 - Oct. 6	4 and 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
Oct. 9	FALL RECESS	
Oct. 9 - 13	5	
Oct. 16	EXAM 2*	Chapters 3, 4, and 5
Oct. 16 - Oct. 20	6	Ch6: 25,29,31,33,35,39,41,43,45,49,51,53,55,57,59,61

V. Laboratory Schedule

Date

Experiment

Description

VI. 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.

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.

VII. Illness Accommodations

The Center for Health and Wellbeing does not provide students with notes verifying medical illness. This approach makes the best use of their limited medical resources by not having students who are required to provide verification of a recent illness utilize appointment times which can be used for students who can report your illness to all of your professors.

When students experience a serious illness requiring hospitalization or when an extended absence from class is foreseen

supported in working successfully through the absence.