

Spring 2019 CHEM 32B (10104)

Lecturer: Erik Ruggles, Ph.D.

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Office: Hills 105

Office Hours: T Th 8:00am 12:30pm
T Th 3:00pm-4:00pm
W 8:00am 1:00pm
or by appointment

Lecture Time: T Th 1:15 2:30 pm

Location: Given E131 (Carpenter Auditorium)

I. 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 homework problem sets. Most will find it difficult to do well in this class if they do not attend the lecture. Class lecture notes will be posted on BlackBoard (BB) after each lecture.

Textbook: If you took Chem31 this past Fall 2018 then you already have all the materials necessary for Chem32. If not, there are three options to purchase nd Ed., by Tro (Full text ISBN-13: 978-0-13-429393-6) along with MasteringChemistry online access. 1) It can be purchased at an online site (~\$300; hardcover text and mastering), or 2) at the UVM bookstore (~\$160; binder

II. Laboratory

Lab Manuals: All experiments can be found online on your
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 cop

Safety Eye Wear: Everyone in the lab must wear OSHA approved (EZ87stamped) safety glasses or

III. Course Grade

Percent Ranges for Grades:

I cannot say in advance which point ranges correspond to which letter grades, but I will give approximate correlations throughout the semester following each of the exams. Please note that you are not competing with each other for grades in this course: if everyone scores in the "A-range," I will give everyone "A"s for the course (really!). I encourage you all to work together as you study, to help each other learn the material, but do also recognize that all graded work must be solely your own, so be prepared to work independently to demonstrate your mastery of the material.

How to Calculate Your Points:

- 1) Class = **750 total points** (75% of grade; exams and homework)

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

Prelab (2 pts/per)	20 points
Lab Reports (15 pts/per)	150 points
Quizzes (8 pts/per)	<u>80 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:

IV. Lecture Schedule and Chapter Homework

February 11	Exam 1 (6:40-9:40pm; Marsh Life 235)
March 4	Exam 2 (6:40-9:40pm; Marsh Life 235)
March 29	Last Day to Withdraw
April 15	Exam 3 (6:40-9:40pm; Marsh Life 235)
May 6	Final Exam (10:30am-1:15pm; Given E131)

<u>Date</u>	<u>Chapter</u>	<u>Homework Problems</u>
Jan 14 - 18	13	Ch13: 25,27,29,31,33,35,37,43,45,47,49,51,59,63,65,67,69,71,73,77,79,81,83,85,87,89,93,97,99,105,109,115
Jan 21	Martin Luther King Holiday	
Jan 21 - 25	13 and 14	Ch14: 27,29,31,37,41,45,47,53,55,59,65,71,75,77,83,89,91,95,103,105,107
Jan 28	Last Day to Add/Drop Course	
Jan 28 - Feb 1	14	
Feb 4 - 8	15	Ch15: 21,23,27,29,31,33,35,37,39,41,45,47,49,53,55,59,63,65,67,69,71,73,75,79,81,83,89
Feb 11	First Exam*	Chapters 13,14,15*
Feb 11 - 15	15 and 16	Ch16: 31,33,35,37,39,41,45,49,51,55,59,61,65,67,69,71,75,79,81,83,85,87,89,91,95,97,99,101,103,107,109,111,113,115,117,121,123,127,129,133,141
Feb 18	Presidents Day	
Feb 18 - 22	16	
Feb 25 Mar 1	16	
Mar 4 - 8	17	Ch17: 25,27,29,31,33,35,39,41,43,45,49,51,53,57,59,61,63,65,67,69,71,75,81,83,85,87,93,95,97,103,105,111,113,115,121,125

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

Mar 4	Second Exam*	Chapters 15,16,17*
Mar 5	Town Meeting Day	
Mar 11 - 15	SPRING BREAK	
Mar 18 - 22	17	
Mar 25 - 29	17 and 18	Ch18:31,35,37,39,41,45,47,51,53,55,59,61, 67,71,73,75,85,87,93,101
March 29	Last Day to Withdraw from Course	
Apr 1 - 5	18 and 19	Ch19: 33,35,37,39,41,43,45,47,49,53,57,59, 61,63,65,69,71,73,77,83,85,89,97,99,103,105, 115,119
Apr 8 - 12	19	
Apr 15	Exam 3*	Chapters 17,18,19*
Apr 15 - 19	19	
Apr 22 - 26	20	Ch20: 31,33,35,37,41,45,51,57,61,71,73,81, 83,89
April 29 - May 3	Review	
May 6	Cumulative Final Exam	(10:30am-1:15pm; Given E131)

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

VI. ACCESS Accommodations and Religious Holidays

Student Learning Accommodations Statement