

CHEM 32B General Chemistry, Spring 2023

1.) Lecture

Lecturer: Jamel nS60ffmWff102-2 pm

Class Time: TR 1:15-2:30 pm

Class Location: Innovation E102

Textbook: "Chemistry Structure and Properties, 2nd Edition", (ISBN-13 978-0-13-429393-6) by Tro along with **Mastering Chemistry online** access. If you've taken Chem31 here at UVM recently you most likely you have all the following materials, but not, here's some options: 1) The full textbook and mastering can be bought on Pearson's online site (~\$300; text and mastering), or 2) at the UVM bookstore (~\$160; UVM custom textbook, solutions manual, and mastering), or 3) just digital access (~\$120; etext and mastering) or 4) purchase a used textbook and MasteringChemistry (~\$75 mastering separately). *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.*

Lecture. This will be an active participation classroom, with the introduction of new ideas and problems going hand-in-hand. Prior to beginning a new chapter in lecture, I'll post a set of notes on Blackboard that I will lecture off of for that chapter. You should have these notes available to you at the time of class. I will introduce ideas then we will immediately work on problems that are both numerical and conceptual (similar to homework and, ultimately, *what may appear on exams*). I suggest coming to lecture, with the notes available, and bringing your calculator, because working along with me might be very helpful to you.

Assignments: You are expected to read all the assigned chapters. Homework

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o all assigned problems will be made available. You should strive to do as many problems as possible, including those assigned as well as those within the chapter.

Exam Dates*:

Exam 1: **February 6**

Exam 2: **March 6**

Exam 3: **April 17**

Final Exam (TBD): **May 6-12**

Final Exam Policy: The University final exam policy outlines expectations during final exams and explains timing and process of examination period.

<https://www.uvm.edu/registrar/final-exams>

(*The instructor reserves the right to change exam dates and policies.)

2.) Laboratory

Lab Manuals: All experiment (.)0.6 gD- (i-9l 0.6 gD- (i-9l e)8.8 (r(n)1.6xo0.7 (plu8.6 (d)-)2.1 (f)8.6

not allowed. **If you arrive at lab in inappropriate attire, you will not be allowed to perform the experiment that day.**

Prior to Start of Lab: Purchase your lab notebook and safety glasses. In your Lab's Blackboard review and complete the Lab Safety and Academic Integrity Modules. Prior to lab print out the experiment. **If you have not purchased or completed these items, you will not be able to begin the lab portion of the course.**

Attendance: Students must attend the lab section they are assigned to. If more than two (2) labs are missed, you will receive an F for the course. Only the academic dean of your college may grant an incomplete. An unexcused absence will result in a **ZERO** grade for the laboratory experiment. Official documentation of sickness or a family crisis is required for an excused absence. If there is a need to reschedule

Example 1.	Exam 1	Exam 2	Exam 3	Final
Actual Scores	106.25 (85%)	56.25 (45%)	97.5 (78%)	206.25 (75%)
Counted Scores	106.25 (85%)	93.75 (75%)	97.5 (78%)	206.25 (75%)

Homework Score: 84.0 (84%) Class Points = 503.75 exam + 84.0 homework
Total = 587.75 points

Example 2.	Exam 1	Exam 2	Exam 3	Final
Actual Scores	87.5 (70%)	97.5 (78%)	95.0 (76%)	187.0 (68%)
Counted Scores	87.5 (70%)	97.5 (78%)	95.0 (76%)	187

3) Course Grade Determination

Let's say you earned 200.00 points for the lab. 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:

587.75 class points

+ 200.00 lab points

787.75 total points/1000 points = 78.78%

Example 2:

537.0 class points

+ 200.00 lab points

737.00 total points/1000 points = 73.70%

To summarize:

Ex1 + Ex2 + Ex3 + Final + Homework + Lab = Total Points

(Total Points)/1000] x 100 = Total Percent

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.

<http://www.uvm.edu/policies/student/acadintegrity.pdf>

4. Tentative Lecture Schedule and End-of-Chapter Homework

Dates	Chapter	Major Topics	Problems
Jan 17 - 20	Syllabus and 13	Ch 13: Solution Concentration, Temperature Effects, Colligative Properties, Melting and Boiling Points, Osmotic Pressure	Ch13:25,27,29,31,33,35,37,43,45,47,49,51

Mar 13 - 17	SPRING BREAK!!		
Mar 20 - 24	17		
Mar 27 - 31	17 and 18	Ch 18. Entropy, Gibbs Free Energy, Free Energy and Equilibrium, Standard State and Nonstandard State	Ch18:31,35,37,39,41,45,47,51,53,55,59,61,67,71,73,75,85,87,93,101
Apr 3 - 7	18 and 19	Ch 19. Redox, Cell Potential, Redox and Equilibrium, Batteries, Electrolysis	

Women & Gender Equity Center
The UVM Women

The University of Vermont's number one priority is to support a healthy and safe community:

Center for Health and Wellbeing: <https://www.uvm.edu/health>

Counseling & Psychiatry Services (CAPS): Please call 802-656-3340 for assistance.

C.A.R.E. If you are concerned about a UVM community member or are concerned about a specific event, we encourage you to contact the Dean of Students Office (802-656-3380). If you would like to remain anonymous, you can report your concerns online by visiting the Dean of Students website at <https://www.uvm.edu/studentaffairs>

General statement regarding potential changes during the semester:

<http://catalogue.uvm.edu/>

The University of Vermont reserves the right to make changes in the course offerings, mode of delivery, degree requirements, charges, regulations, and procedures contained herein as educational, financial, and health, safety, and welfare considerations require, or as necessary to be compliant with governmental, accreditation, or public health directives.

Intellectual Property Statement/Prohibition on Sharing Academic Materials

Students are prohibited from publicly sharing or selling academic materials that they did not author (for example: class syllabus, outlines or class presentations authored by the professor, practice questions, text from the textbook or other copyrighted class materials, etc.); and students are prohibited from sharing assessments (for example homework or a take-home examination). Violations will be handled under UVM's Intellectual Property policy and Code of Academic Integrity.

Student Learning Accommodations

In keeping with University policy, any student with a documented disability interested in utilizing ADA accommodations should contact Student Accessibility Services (SAS), the office of Disability Services on campus for students. SAS works with students and faculty in an interactive process to explore reasonable and appropriate accommodations, which are communicated to faculty in an accommodation letter. All students are strongly recommended to discuss with their faculty the accommodations they plan to use in each course. Faculty who receives Letters of Accommodation with Disability Related Flexible accommodations will need to fill out the Disability Related Flexibility Agreement. Any questions from faculty or students on the agreement should be directed to the SAS specialist who is indicated on the letter.

Contact SAS:

A170 Living/Learning Center;
802-656-7753