

the homework problems. I will also be available by email and on [Teams](#) as much as possible for question and answer.

Extra Practice: For added examples, blank old exams from my 2017-2019 classes, SI Sessions, as well as their answer keys are posted on Brightspace (**4. Course Materials** link). Remember that even though questions will change from year to year, the concepts will remain the same. **Do not study with just the old exams!** The Meat and Potatoes, or Seitan and Broccoli, is in the Homework Problems. Also, there are homework problem videos posted on Brightspace -

Recitations: Throughout the semester I will hold recitations on the Monday evening from 6:45-7:45 pm on [Teams](#). The Sunday before a mid-semester exam I will hold an exam review session from 9:00-11:00 am also on [Teams](#). **These problem sessions are meant to address your questions about lecture topics and/or homework problem solving, so come prepared with questions.** Review sessions will be recorded and then posted in video format on [Teams](#) and will be posted in pdf format on Brightspace (**4. Course Materials** link).

Homework Quizzes: There will be ten graded homework quizzes (best 10 out of 12) during the semester. These assignments will occur once we finish a chapter and will be found in MasteringChemistry. To access, log in to Brightspace and follow the **3. ALEKS** link. You will have several days to complete each assignment, but I would not wait until the last moment.

Exams: The exams are technically scheduled to be on Mondays from 6:40pm-9:40pm. There are no scheduled make up dates. These four exams will be given online, via ALEKS 360. To extend the greatest flexibility, these **exams will be made available beginning Sunday at noon (12:00 pm EST) until noon on the following Tuesday.** You may take your exam at any time during the window in which it is available. Please realize that **once you have started the exam, you will have 3.0 hrs to complete it.** Exams cannot be saved and returned to later, even within the window of availability. Each exam is written to take no more than 1.5 hrs. As such, every student is afforded double the time for each exam and so extended time accommodations will not apply. ALEKS 360 has data/formulae information as well as a periodic table that will be available to you while taking the exam. You may use a calculator of your choosing. It is in your best interest to keep up with the practice exercises and quizzes in ALEKS 360 so that you are familiar with the way the program wants you to enter your answers. The more you use the program, the easier it gets to navigate the various icons and syntax. Realize that **once the exam closes at noon on Tuesday, any work submitted afterward will not be graded.** Attendance at all examinations is required. A grade of zero will be assigned to any student who misses an exam. Please plan accordingly. In the event of an emergency, see Part VIII of this document for the policy regarding a missing exam. Students must go through their Deans Office for an examination to be rescheduled. Please also contact me and do not wait until the last second.

Exam Dates:

September 18	Exam 1 (ALEKS)	November 13	Exam 3 (ALEKS)
October 16	Exam 2 (ALEKS)	December 14	Final Exam (ALEKS)

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>

Group Presentations: To help students make peer-peer connections in class there will be group presentations at the end of the semester. I will create groups with approximately 7-10 people per group. I will try and keep the groups to like-minded majors, but there will be mixtures of majors out there. Once your group has been made I would suggest contacting each other and setting up some meetings to accomplish the overall goal. The **goal of each group is to pick a relatively current scientist (does not have to be a chemist) whose work and world impact is something that inspires your group in science.**

II. Laboratory

Lab Manuals:

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. Safety eyewear can be purchased at the UVM bookstore. ***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 goggles and please let your TA know.***

Lab Attire: This is a chemical laboratory dress appropriately! It is best to wear full pants and a shirt with at least short sleeves. Shorts and short pants (capris, crops, etc.) are not allowed in the laboratory. Shirts that expose the shoulders, midriff, or back are also not allowed. Proper footwear is also necessary in the laboratory. Full shoes, preferably constructed of leather or other chemically resistant

III. Course Grade

Percent Ranges for Grades:

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

Lab Safety Quiz:

Passing grade required **BEFORE** the first lab.

Pre-Lab Questions:

Technique:

250 points

Post-Lab Calculations & Questions:

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:

$$\begin{array}{r} 590.0 \text{ class points} \\ + \underline{200 \text{ lab points}} \end{array}$$

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

<u>Dates</u>	<u>Chapters</u>	<u>Homework Problems (Learning Objectives)</u>
Aug 28 - Sept 1	Syllabus	(Class Dynamics)

<u>Dates</u>	<u>Chapters</u>	<u>Homework Problems (Learning Objectives)</u>
Oct 20	Group Presentation Scientist Choice Due	
Oct 23 - 27	7 and 8	Ch8: 5,9,11,19,21,23,27,29,31,33,35,37,39,47,49,51,53,55,57,64,65,69,81,85 (<u>Module8</u> : Chemical Reactions, Balancing, Stoichiometry, Combustion Empirical Formula Determination, Limiting Reagent, Theoretical Yield and Percent Yield)
Tuesday	Mindful Meditation15	Headspace Breathe to the Light
Thursday	Mindful Meditation16	Breathing with R2D2
Oct 30	LAST DAY TO WITHDRAW FROM COURSE	
Oct 30 - Nov 3	8 and 9	Ch9: 11,19,21,23,25,27,33,35,37,39,45,47,49,51,65,67,69,71,73,75,77,87,101,103,105,107,115,125,139 (<u>Module9</u> : Precipitation, Acid-Base and Redox Reactions, Concentrations and Analysis)
Tuesday	Mindful Meditation17	Headspace Tatooine Dreams
Thursday	Mindful Meditation18	Breathing with Chewbacca
Nov 6 - 10	9 and 10	Ch10: 11,13,19,21,23,31,33,35,37,39,41,43,47,49,59,61,63,65,67,69,77,85,87,99,101,119,136 (<u>Module10</u> : Thermodynamics, Calorimetry and Enthalpy)

<u>Dates</u>	<u>Chapters</u>	<u>Homework Problems (Learning Objectives)</u>
Nov 20 - 24	THANKSGIVING HOLIDAY	
Nov 27 Dec 1	11 and 12	Ch12: 13,15,53,59,65,69,83,84,87,91,97 <u>Module12</u> : Temperature Dependence, Vapor-Pressure Heating Curve for Water and Phase Diagrams
Tuesday	Mindful Meditation23	Headspace Boosting Self Asteem

V. Laboratory Schedule

<u>Date</u>	<u>Experiment</u>	<u>Description</u>
Aug 28-Sept 8	No Lab	Purchase lab notebook and safety glasses. On Brightspace, review lab \ syllabus and schedule.
Sept 11-15	Check In	On Brightspace, review and complete the Safety Presentation and Safety Quiz
Sept 18-22	Experiment 1	

VI. ACCESS Accommodations

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>

VII. Religious Holidays

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.

<https://www.uvm.edu/registrar/religious-holidays>

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 and should be only used for students who require evaluation and therapy. **Instead, in a timely fashion verify and report your illness to all of your Professors.** This allows your Teachers to help in providing alternative measures in keeping you up to speed with the course material.

When students experience a serious illness requiring hospitalization or when an extended absence from class is foreseen, **the process is still the same in that the student needs to notify their Professors, and its timeframe, so that faculty members can be made aware and the student is supported in working successfully through the absence.**

There are no exemptions from quizzes (except for extremely special circumstances for which you need to be in contact with me with ongoing updates) since there are not only seven days to complete them but also since they are completely online. Please remember, I only take your top 10 out of 12 quiz scores.

For mid-semester exams and the final, there is already some flexibility with exam dates as discussed in the Exam portion of the syllabus. If you need accommodations, please follow the instructions above with accommodation time frame to all your Professors. **Verify and report your illness to all of your Professors.**

timeframe for accommodations, if you cannot make up the exam by Sunday prior to the exam then you will have to take a zero and allow for your Final Exam score to replace it at the end of the semester (except for extremely special circumstances for which you need to be in contact with me with ongoing updates and discussions about incompletes or medical withdraw).

IX. COVID-

