Week of:  
Presented Chapters
19th of January  Introduction/Chapter 1/Chapter 2
25th of January  Chapter 2
1st of February  Chapter 3
8th of February  Chapter 3/Chapter 4
16th of February  Chapter 4/Chapter 5
22nd of February  Chapter 5/Chapter 6
1st of March  Chapter 6/Extra Credit Information
8th of March  Chapter 7
15th of March  Chapter 9
22nd of March  Chapter 10
29th of March/1st and 2nd of April  Chapter 10
5th of April  Chapter 11
12th of April  Chapter 12
19th of April  Chapter 13
29th of April through 3rd of May  Final Exam

<table>
<thead>
<tr>
<th>Exam Number</th>
<th>Date</th>
<th>Chapters Included</th>
</tr>
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<tbody>
<tr>
<td>1</td>
<td>Wednesday the 10th through Friday the 12th of February, 2021</td>
<td>1 – 3</td>
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<tr>
<td>2</td>
<td>Wednesday the 3rd through Friday the 5th of March, 2021</td>
<td>4 – 6</td>
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<tr>
<td>3</td>
<td>Wednesday March 31st through Friday the 2nd of April, 2021</td>
<td>7, 9, and 10</td>
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<td>Comprehensive Make Up Exam – by appointment only for excused absences</td>
<td>Friday the 18th through Tuesday the 20th of April, 2021</td>
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<td>Final</td>
<td>Thursday April 29th through Monday the 3rd of May, 2021</td>
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Dr. Doug Harris  
E-mail: doug.harris@usu.edu (Reply within 2 business working days)

**Materials**  
Scientific Calculator (no networking capable calculators)

**Coursework**  
Examinations, 3 @ 100.................................................. 300  
Final Exam, mandatory @ 200........................................... 200  
TOTAL............................................................................. 500
Grades

| 100% - 92% | A |
| 91% - 88%  | A- |
| 87% - 85%  | B+ |
| 84% - 81%  | B  |
| 80% - 77%  | B- |
| 76% - 73%  | C+ |
| 72% - 64%  | C  |
| 63% - 60%  | C- |
| 59% - 57%  | D+ |
| 56% - 50%  | D  |

Note: Scores rounded to nearest one’s place (91.4% = 91% and 91.5% = 92%). The instructor reserves the right to lower these cutoff scores.

Policies and Procedures

1. The administration of Chemistry 1010 will adhere strictly to the policies (including the issuing of incompletes) outlined in the USU 2020 – 2021 General Catalog.
2. Qualified students with disabilities may be eligible for reasonable accommodations. All accommodations are coordinated through the Disability Resource Center (DRC) in Room 101 of the University Inn, 797-2444 voice, 797-0740 TTY, or toll free at 1-800-259-2966. Please contact the DRC as early in the semester as possible. Alternate format materials (Braille, large print or digital) are available with advance notice.
3. There will be three 50-minute exams and one 110-minute mandatory final exam. Each exam will be administered directly in the nearest Utah State campus testing center. Students are encouraged to schedule the three regular exams and the final exam with their nearest testing center on the first day of the semester. Students will be permitted to use a calculator (no networking-capable calculators), blank scratch paper, and the reference exam information posted to Canvas for each exam. Exams will not be rescheduled to dates outside of the outlined exam windows.
4. Missed Exam Policy: Missed exams which have excused absences will be made up with a comprehensive make-up exam. Excused absences include: (1) school excused absences outlined in the general catalog, (2) illness, and (3) a family emergency. Planned family trips, vacations, outings, and weddings are not excused absences. Students should notify the instructor in advance, if possible, prior to missing any exam. Students missing an exam (excluding the mandatory final exam) will have one week to notify the instructor that they have an excused absence. Missed exams that are not made up will be scored as zero. Only one missed exam can be made up. The comprehensive make-up exam is by appointment only and will be held at the exam time window outlined on the first page of the syllabus. The comprehensive make-up exam will not be rescheduled to another date outside of the outlined exam window. Students may not request to take the comprehensive make up exam after starting a regular exam.
5. Keep in mind that the practice exam serves as an assessment of your understanding of concepts presented in the lecture videos. Hopefully you will be diligent about following the suggested study plan outlined at the beginning of the course. Exam questions may be the same or similar to the practice exam problems but may also be completely different.
6. Although class attendance will not be officially taken, it will be absolutely essential that every effort is made in following the suggested study plan. All students will be held responsible for video lecture material and worked problems as well as announcements posted to the course Canvas page.
7. If you choose to complete an optional extra-credit molecular modeling exercise, one percentage point (1%) will be added to your final grade percentage. The extra-credit submission deadline will be at 9 am MDT Wednesday, March 31st.

Course Objective and Assessment

1. The course will present chemistry conceptually, focusing on the concepts of chemistry with little emphasis on calculations. This presentation will hopefully improve each student’s learning skills and assist in developing better thinking abilities.
2. Lecture learning checks will be used as a means of assessing student comprehension. These student-centered learning strategies have previously proven successful in this chemistry course.

Some Learning Objectives:

- Become familiar with the basic physical quantities including mass, volume, energy, temperature, and density.
- Understand the fundamental concepts and language of chemistry including physical properties, chemical properties, elements, mixtures, compounds, and atomic structure.
- Understand how elements are organized in the periodic table.
- Understand radioactivity, three major radioactive products, and half-life of a radioactive isotope.
- Explore two types (ionic and covalent) of chemical bonds.
- Given a covalent molecular formula, predict the molecular structure.
- Describe the various types of intermolecular interactions.
- Gain an understanding of the basics of chemical reactions.
- Explore acids and bases and the chemical reactions they undergo.
- Gain a basic understanding of organic compounds.
- Gain a basic understanding of biomolecules.