1. **Course:** CHEMISTRY 301, The Chemical World

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<tr>
<td>L01</td>
<td>TuTh</td>
<td>11:00-12:15</td>
<td>ST 059</td>
<td>Dr. Thurbide</td>
<td>SB 219</td>
<td><a href="mailto:thurbide@ucalgary.ca">thurbide@ucalgary.ca</a></td>
<td>TuTh 12:30-1:30</td>
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Department of Chemistry: Room SA 229, Tel: (403) 220-5341, e-mail: chem.info@ucalgary.ca

Students must use their U of C account for all course correspondence.

2. **Course Description:** The focus is on developing a general awareness and appreciation of the chemistry all around us; where chemical principles are surveyed in a variety of current and everyday contexts.

3. **Textbook:** There is no formal textbook assigned for this course. However, most 1st year chemistry textbooks may be found useful by some students as an alternate reference to supplement topics covered in class. This will be discussed further in the opening lecture.

4. **Topics to be Covered:**

   - Basic principles of chemical bonding
   - Observation of trends in the periodic table
   - Prediction of basic molecular structure and shape
   - Classification of chemical reactions
   - Application of stoichiometry
   - Essential ideas of chemical kinetics
   - Primary concepts of chemical equilibria
   - Key principles of acid/base chemistry

Department Approval Electronically Approved Date August 29, 2019