CHEM 1211
Principles of Chemistry I
Fall Semester 2019

Instructor: Kuykendall
E-mail: West Georgia - kkuykend@westga.edu
Class Time/Place – Monday & Wednesday 5:30 p.m. – 6:50 p.m. TLC 3108
Office Hours – Wednesday 6:50 p.m. – 8:00 p.m.
Office Phone – 678-839-6029
Cell Phone – 863-589-7426

All Students Please Note!

For important policy information, i.e., the UWG Honor Code, Email, and Credit Hour policies, as well as information on Academic Support, Online Courses and Campus Carry, please review the information found in the Common Language for Course Syllabi documentation at [Common Language Course Syllabi](#)

Additions and updates are made as institution, state, and federal standards change, so please review it each semester.

Materials

2. **Students Solutions Manual** - **optional**.
3. **Mastering Chemistry Access – Link Under Announcements & Content Page**

   When purchasing the textbook, UWG bookstore, make sure to buy the package that includes the Registration Code for Mastering Chemistry. If you only purchase the textbook, you must purchase the mastering chemistry access link separately using the link located under the announcements or the content page.

Pricing

![Pricing Image]
Do not use any other link (Amazon, etc.) to buy mastering chemistry access. It will not provide the access needed.

Two-week temporary access is available before final payment is due.

4. **Workshop Manual** (Provided in Workshop)

5. **Scientific Calculator** (Recommend TI-84)

6. **ACS Exam Study Materials** (Recommended)

   ACS Link for Purchasing On-Line (Be sure to choose the General Chemistry Option)

**Course Outline:** This course introduces fundamental principles and applications of chemistry for science majors. The first eleven chapters of the textbook will be covered.

1. Atoms 2
2. Measurement, Problem Solving, and the Mole Concept 34
3. The Quantum-Mechanical Model of the Atom 62
4. Periodic Properties of the Elements 100
5. Molecules and Compounds 144
6. Chemical Bonding I: Drawing Lewis Structures and Determining Molecular Shapes 188
7. Chemical Bonding II: Valence Bond Theory and Molecular Orbital Theory 232
8. Chemical Reactions and Chemical Quantities 270
9. Introduction to Solutions and Aqueous Reactions 300
10. Thermochemistry 342
11. Gases 390
### Evaluation:

<table>
<thead>
<tr>
<th>Component</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>Workshop</td>
<td>10 % Final Grade</td>
</tr>
<tr>
<td>Mastering Chemistry</td>
<td>30 % Final Grade</td>
</tr>
<tr>
<td>Exams</td>
<td>40 % final grade</td>
</tr>
<tr>
<td>Final Exam</td>
<td>20 % final grade</td>
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**Workshop**

The workshop is mandatory. Workshop leaders will assign grades based on quiz scores, participation and **attendance**.

**Mastering Chemistry**

Unit assignments must be completed by the assigned deadlines to receive maximum credit (20% deduction for each day completed late).

**Exams**

4 Exams (Covering the first 11 Chapters)

**No make up tests will be scheduled.**

**A zero will be entered for all missed exams.** If a student’s final exam score is higher than the lowest exam grade, the final exam score will be substituted in for this **one** academic deficiency.

**Final Exam**

The final exam is comprehensive for the entire semester.

The ACS Final Exam will be on Monday, Dec. 9, 5:30 – 7:30 pm.