## General Chemistry I (CHE 111)

| Potential Instructors* | Dr. Sarmad Hindo; sshindo@uncg.edu  
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<tr>
<td>Prerequisites</td>
<td>One year of high school chemistry or CHE 103. Students lacking high school chemistry should take the sequence CHE 103, CHE 111, CHE 114.</td>
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<td>Corequisites</td>
<td>CHE 112 lab</td>
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| Sample Course Materials| **Textbook:** *Chemistry: Structure and Properties* by Nivaldo Tro  
**Homework Assignments:** Mastering Chemistry |
| For Whom Planned       | CHEM and BCHE majors & science majors |
| Topical Outline§       | - Atoms  
- Measurement, Problem Solving, and the Mole Concept  
- The Quantum-Mechanical Model of the Atom  
- Periodic Properties of the Elements  
- Molecules and Compounds  
- Chemical Bonding I: Drawing Lewis Structures and Determining Molecular Shapes  
- Chemical Bonding II: Valence Bond Theory and Molecular Orbital Theory  
- Chemical Reactions and Chemical Quantities  
- Introduction to Solutions and Aqueous Reactions  
- Thermochemistry  
- Gases |

### Notes
* To request a comprehensive syllabus, you may contact the instructor for your section directly.  
§ Subject to change