CHM 101—General Chemistry I  
Fall 2012  
Course Syllabus

**Instructor:** Dr. Radha Narayanan  
**Office:** Pastore Hall, Room 309  
**Phone #:** 401-874-2298  
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**Class Times:** 11:00 AM to 12:15 PM on Tuesdays and Thursdays in Pastore 124

**Office Hours:** Tuesday 12:30 -1:30 PM, Thursday 12:30 -1:30 PM, also by appointment or email. In email, put subject of CHM 101.

**Textbook:** Raymond Chang, General Chemistry: The Essential Concepts 6th edition: chapters 1-13 (skip ch. 11)

**Course Website:** I have created a course website by using the URI Sakai system. The course website can be accessed by logging in directly to the URI Sakai portal website: [https://sakai.uri.edu/portal/](https://sakai.uri.edu/portal/)

**Topics:**

- Chapter 1: Chemistry: Introduction  
- Chapter 2: Atoms, Molecules, and Ions  
- Chapter 3: Stoichiometry: Chemical Calculations  
- Chapter 4: Reactions in Aqueous Solutions  
- Chapter 5: Gases  
- Chapter 6: Energy Relationships in Chemical Reactions  
- Chapter 7: The Electronic Structure of Atoms  
- Chapter 8: The Periodic Table  
- Chapter 9: Chemical Bonding I: The Covalent Bond  
- Chapter 10: Chemical Bonding II: Geometry and Hybridization of Atomic Orbitals  
- Chapter 12: Intermolecular Forces and Liquids and Solids  
- Chapter 13: Physical Properties of Solutions

**Grading:**

- **Homework:** 20% (2 lowest dropped)  
- **Exams:** 4 (20% each)