

## Course outline

Units and Measurement (review)  
Atoms, Molecules, and Formulas (review)  
Moles and Stoichiometry  
Chemical Equations  
Aqueous Solutions  
Solution Stoichiometry  
Gases and Gas Stoichiometry  
Thermochemistry  
Quantum Theory: Atoms and Molecules  
Electron Configurations and Periodic Properties  
Electron Configurations of Ions and Molecules  
Shapes and Polarities of Molecules  
Bonding and Intermolecular Forces