

Course outline

The Electronic Structure of the Atom: A Review
An Overview of the Periodic Table
Covalent Bonding
Metallic Bonding
Ionic Bonding
Inorganic Thermodynamics
Periodic Trends
Hydrogen
The Group 1 Elements: The Alkali Metals
The Group 2 Elements: The Alkaline Earth Elements
The Group 13 Elements
Oxidation and Reduction
Introduction to Transition Metal Complexes
Properties of the Transition Metals
The Group 14 Elements
The Group 15 Elements
The Group 16 Elements
The Group 17 Elements: The Halogens
The Group 18 Elements: The Noble Gases
The Group 12 Elements