

## Inorganic chemistry

- 1- Atoms and electronic structure
- 2- Ionic bonding and Covalent bonding
- 3- Transition metal complexes and coordination chemistry  
(structures, isomers, bonding, electronic spectra, reactions and mechanisms)
- 4- Acids, bases and solvents
- 5- Symmetry and group theory
- 6- Redox chemistry
- 7- Properties of periodic table
- 8- Organometallic chemistry
- 9- 18-electron rule.
- 10- Bioinorganic chemistry
- 11- HSAB, VBT, MOT, CFT and VSEPR theory.