

Theory:

- CH-501 - Metal-ligand Bonding in Transition Metal Complexes, Thermodynamic and Kinetic Aspects of Metal Complexes, Magnetic Properties of Transition Metal Complexes, Electron Spectra of Transition Metal Complexes
- CH-502 - Rotational Spectrum, Vibrational spectrum, Raman Spectrum
- CH-601 - Organometallic Chemistry, HSAB Concept, Bioinorganic Chemistry
- CH-602 - Electronic Spectrum, Photochemistry, Dilute Solutions and Colligative Properties, Phase Equilibrium

Practical:

- CH-504 - Inorganic and organic chemistry practical
- CH-604 - Physical and organic chemistry practical