

## Inorganic Lab

Practical inorganic chemistry courses focus on the preparation and characterization of coordination complexes using various ligands such as oxalate, acetylacetonate, ethylenediamine, and acetate, among others. The curriculum also includes a series of lectures that delve into the theoretical aspects of inorganic synthesis and structure elucidation.

Upon successful completion of this course, students will be able to independently conduct the experimental preparation of coordination complexes. Additionally, students will gain proficiency in characterizing these complexes through techniques such as melting point determination, molecular weight analysis, room temperature magnetic measurements, conductance studies, and spectral analysis (including FTIR and UV).







