

**Ankara University
Library & Documentation Department
Open Course Materials**

Course Syllabus Form

Course Code and Name	CHM356–Inorganic Chemistry Laboratory
Instructor of the Course	Prof. Dr. Selen BİLGE KOÇAK
Course Level	Bachelor
Course Credit	2
Course Type	Compulsory
Course Content	Laboratory safety, Cytochemistry, Synthesis of alums, Preparation of metal oxides, halides and acetates, Preparation of coordination compounds, Preparation of isomeric complexes, Preparation of dithiolate and Schiff base complexes, Synthesis of inorganic polymers
Course Goals	To provide the connection between the theoretical knowledge of inorganic chemistry and experimental studies and results
Course Learning Outcomes	<ol style="list-style-type: none">1. He/She uses tools and equipments safely which is used in the inorganic chemistry laboratory for the purpose2. He/She describes methods for the preparation of inorganic salts and complexes, associates spectral and structural properties of these compounds with other data3. He/She classifies inorganic compounds based on their physical and chemical properties, proposes a method for the synthesis of new coordination compounds4. He/She balances and comments to inorganic reactions5. He/She selects a suitable method to elucidate the structures of coordination compounds6. He/She evaluates and interprets the results obtained from experiments in a group7. He/She takes necessary safety precautions for herself/himself and her/his environment in chemistry laboratory studies
Course Duration	1 Semester, 14 weeks (total 3 hours a week)
Education Language	English
Prerequisite	None
Recommended Sources	Inorganic Experiments; J. D. Woollins, Wiley-VCH, 2002.
Lab	
Other-1	