Ankara University
Library & Documentation Department
Open Course Materials

Course Syllabus Form

Course Code and Name	**CHM0308–Inorganic Chemistry II**
Instructor of the Course	Prof. Dr. Selen BİLGE KOÇAK
Course Level	Bachelor
Course Credit	4
Course Type	Compulsory
Course Content	Coordination compounds, ligands, nomenclature of coordination compounds, isomerism and chemical bond in coordination compounds, 18 electron rule, valance bond theory, crystal field theory, molecular orbital theory, solids, metals
Course Goals	To acquire systematic and comprehensive basic information about the structure, nomenclature, isomers, geometric structures and magnetic properties of coordination compounds and to develop the ability to think about Inorganic Chemistry
Course Learning Outcomes	1. He/She relates the name of the coordination compounds with the formulas of coordination compounds 2. He/She uses classifies the types of isomers observed in coordination compounds, examines the isomers of coordination compounds given closed formulas 3. He/She evaluates the historical development of coordination chemistry and the effects of the scientists involved in the coordination chemistry 4. He/She explains the structures and properties of coordination compounds on the basis of different theories 5. He/She writes reactions about the synthesis of coordination compounds, interprets the reactions related to coordination compounds 6. He/She classifies metals based on their physical and chemical properties 7. He/She classifies solids and crystals 8. He/She uses the library and other sources of information to obtain information about coordination chemistry
Course Duration	1 Semester, 14 weeks (total 4 hours a week)
Education Language	English
Prequisite	None
Recomended Sources	Anorganik Kimya; D. F. Shriver and P. W. Atkins, üçüncü baskı, çeviri editörleri: S. Özkar, A. Gül and Y. Gök, Bilim Yayıncılık, 1999. İnorganik Kimya 1; Cemal Kaya, Palme Yayıncılık, 2008. İnorganik Kimya 2; Cemal Kaya, Palme Yayıncılık, 2008. İnorganik Kimya; G. L. Miessler and D. A. Tarr, ikinci baskı, çeviri editörleri: N. Karacan ve P. Gürkan, Palme Yayıncılık, 2002. Ölmez, H., Ölmez, H., Yılmaz, V. T. (2004). Anorganik Kimya. Otak Form-Ofset Basım-Samsun. Tunalı, N. K., Özkar, S. (2004). Anorganik Kimya. Gazi Yayınları-Ankara.
Lab	
Other-1	