

Level: PhD				
Course title: Applied Coordination Chemistry (DSH-707)				
Status: Elective				
ECTS: 15				
Requirements: None				
Learning objectives The aim of the course is to teach students about the most important areas of application of complex compounds.				
Learning outcomes Introduction to the complexes, which are important to analytical chemistry, medicine, pharmacy, industrial production of important organic compounds (catalysts) and others.				
Syllabus <i>Theoretical instruction</i> Types of ligands and coordination compounds. Metal complexes with non-macrocyclic and macrocyclic organic ligands (crown ethers, cryptands, dendrimers). Organometallic compounds (carbonyls, metallocenes, etc.). Complex application in medicine, pharmacy, and industry.				
Weekly teaching load				Other:
Lectures: 5	Exercises:	Other forms of teaching:	Student research: 5	