

Level: Specialist academic studies of chemistry				
Course title: Applied Coordination Chemistry (DSH-707)				
Status: elective				
ECTS: 15				
Requirements: none				
Learning objectives The aim of the course is to provide students with 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), etc.				
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	