

Level: bachelor				
Course title: Chemistry of Heterocyclic Compounds				
Status: elective				
ECTS: 6				
Requirements: Passed exams of Organic Chemistry I and Organic Chemistry II				
Learning objectives Acquiring knowledge about the properties, nomenclature, chemical reactions and the role of heterocyclic compounds. Training for solving practical problems in the field of chemistry of heterocyclic compounds. Developing the ability to interpret the transformation of heterocyclic compounds.				
Learning outcomes Knowledge of the chemical properties of heterocyclic compounds. Ability to formulate conclusions about the possible products of chemical reactions of heterocyclic compounds. Ability to demonstrate knowledge of the nomenclature, structure and properties of heterocyclic compounds.				
Syllabus <i>Theoretical instruction</i> Nomenclature of heterocyclic compounds. Five-member heterocyclic systems with one heteroatom in the ring. Condensed five-membered heterocyclic systems. Six-membered heterocyclic systems with one heteroatom in the ring. Benzopyrenes . Five-member aromatic heterocyclic systems with two heteroatoms in the ring. Six-membered aromatic heterocyclic systems with two heteroatoms in the ring. Seven-membered heterocyclic systems. Condensed heterocyclic systems with more than two heteroatoms in the ring. <i>Practical instruction</i> Preparation compounds with one or more heteroatoms in the ring.				
Weekly teaching load				Other:
Lectures: 2	Exercises: 2	Other forms of teaching:	Student research:	