

Level: master				
Course title: Dynamic Stereochemistry			IHO-504	
Status: elective				
ECTS: 6				
Requirements: none				
Learning objectives Advanced research stereochemical aspects of organic reactions. Solving complex practical problems in dynamic stereochemistry.				
Learning outcomes Acquired knowledge will allow students to extend their knowledge of dynamic stereochemistry.				
Syllabus <i>Theoretical instruction</i> Principles of Chirality and Dynamic Stereochemistry. Racemization, Enantiomerization and Diastereomerization. Pharmacological Significance of Racemization. Principles of Asymmetric Synthesis. Alkylation of Carbonyl Compounds. Asymmetric Oxidations and Reductions. Asymmetric Reactions in the Synthesis of Natural Products. Enzymatic Reactions and Miscellaneous Asymmetric Syntheses. <i>Practical instruction</i> Synthetic application of the studied reactions.				
Weekly teaching load				Other:
Lectures: 3	Exercises: 2	Other forms of teaching:	Student research:	