

Level: Specialist academic studies of chemistry				
Course title: Chemistry of basic organic and petrochemical synthesis				DSH-718
Status: elective				
ECTS: 15				
Requirements: none				
Learning objectives Detailed introduction of the the students to the basic organic and petrochemical synthesis, and basic chemicals that are interesting for industry.				
Learning outcomes Demonstrate knowledge of the problems of synthetic petrochemical processes.				
Syllabus <i>Theoretical instruction</i> The theory of the process of basic organic and oil synthesis: alkanes, cycloalkanes, alkenes, alkynes, halogenated hydrocarbons. Aromatization of petroleum hydrocarbons. Chemistry and theory of synthesis petroleum carboxylic acids. Synthesis of acids derivatives -type: esters, amides, anhydrides, halides, halogen derivatives and other important industrial synthesis, such as condensation and oxosynthesis. <i>Practical instruction</i>				
Weekly teaching load				Other:
Lectures: 5	Exercises:	Other forms of teaching:	Student research: 5	