

Level: Specialist studies				
Course title: Process Materials in Environmental Protection (higher level course)				
Status: elective				
ECTS: 5				
Requirements: none				
Learning objectives To broaden the knowledge in the field of process materials and their development and application.				
Learning outcomes <ul style="list-style-type: none"> • Students are able to describe in detail the characteristics, production and application of different new process materials applied in environmental protection. • Students are able to analyze trends in application of process materials available from literature and describe ways of production and modification. 				
Syllabus <i>Theoretical instruction</i> Application and production of modified materials. Modified materials based on carbon, sand and metal oxides. Modified polymers and their application. Nano-materials. Technologies for production and applications of process materials in environmental protection. <i>Practical instruction-</i> seminar work related to research trends overview and calculations related to process materials.				
Weekly teaching load				Other: -
Lectures: 2	Exercises: 2	Other forms of teaching: -	Student research: -	