

Level: PhD				
Course title: Selected chemical experiments in teaching			DMH603H1	
Status: elective				
ECTS: 15				
Requirements: none				
Learning objectives Development of the structure of knowledge about chemical experiments as a primary source of knowledge in specific problem situations.				
Learning outcomes Students will develop the ability to apply chemical experiments in specific chemical disciplines and use specific chemical experiment techniques in teaching.				
Syllabus <i>Theoretical instruction:</i> Planning, organization and students' own demonstration of chemical experiments in a specific chemical science discipline will be selected in accordance with the theme of the doctoral dissertation. Criteria for selection of experiments. Space and equipment. Measures of protection. Chemical experiments in professional education of different profiles of secondary vocational education. Chemical experiments in undergraduate and graduate studies. Special techniques of chemical experiment in teaching. Chemical experiments in optical projection. Simulation of chemical experiments. Computer based simulations - needs. <i>Practical instruction:</i>				
Weekly teaching load				Other:
Lectures: 5	Exercises:	Other forms of teaching:	Student research: 5	