

Level: PhD				
Course title: TEACHING CHEMISTRY TO GIFTED STUDENTS - SELECTED TOPICS				
Status: elective				
ECTS: 15				
Requirements: none				
Learning objectives: Training chemistry teachers for taking care and working with talented students and learning the methods of teaching chemistry in working with gifted students.				
Learning outcomes: After completing the course, a PhD student is able to: • demonstrate extensive knowledge in the field of gifted children education, • independently produce horizontally and vertically differentiated and enriched curriculum for individualized work with the gifted, • successfully apply Krathwohl's taxonomy of educational objectives in working with gifted students, • organize and conduct pedagogical research in the field of education of students gifted for chemistry.				
Syllabus <i>Theoretical instruction</i> The criteria for the assessment of intelligence. The criteria for identifying gifted students. Special needs of gifted students. Strategies for teaching students gifted for chemistry. Differentiation of content in chemistry: models of differentiated content. The motivation of talented students. Students' research work in chemistry. <i>Practical instruction</i> Design of activity program for the chemical club in elementary/secondary school. Design of differentiated assignments for the gifted. Krathwohl's taxonomy of educational objectives.				
Weekly teaching load				Other:
Lectures: 5	Exercises:	Other forms of teaching:	Student research: 5	