

<b>Level:</b> specialist				
<b>Course title: PEDAGOGICAL RESEARCH IN CHEMISTRY TEACHING</b>				<b>SPH605</b>
<b>Status:</b> elective				
<b>ECTS:</b> 5				
<b>Requirements:</b> none				
<b>Learning objectives</b> a. Introducing students to - the needs and abilities of pedagogical research in chemistry teaching - developing the methodological culture of contemporary chemistry teacher b. Training the students - for understanding, designing, planning, implementation, elaboration and presentation of the results of professional and scientific educational research in chemistry teaching				
<b>Learning outcomes</b> Students are expected to: - demonstrate knowledge of the methodology of pedagogical research, - elaborate projects for pedagogical research, - apply the techniques of pedagogical research, - process the collected research data, - prepare the documents and the results on the research.				
<b>Syllabus</b> <i>Theoretical instruction:</i> The needs and abilities of pedagogical research in modern chemistry teaching. Research design; conceptual and research-organizational project. Types of pedagogical research. Pedagogical experiment in chemistry teaching. Techniques of pedagogical research in chemistry teaching: testing, surveys. Sample and population of the research. Statistical processing and presentation of the results of pedagogical research in chemistry teaching.  <i>Practical instruction:</i> Preparation of seminar papers and projects on given topics that follow the lectures.				
<b>Weekly teaching load</b>				Other:
Lectures: 2	Exercises:	Other forms of teaching: 2	Student research:	