

Study programme: Undergraduate Academic Studies in Chemistry
Level: Bachelor with Honours
ECTS: 12
Prerequisites: Minimum of 228 ECTS acquired and all courses (compulsory and elective) of the study programme passed.
<p>Goals of Diploma thesis:</p> <p>To train students for individual research and professional work in order to solve scientific and technical problems in certain narrow scientific field of chemistry: analytical, inorganic, organic, physical chemistry or chemical education using the acquired theoretical and practical knowledge.</p>
<p>Expected outcomes:</p> <p>On completion of Diploma thesis the student will be able to:</p> <ul style="list-style-type: none"> – successfully collect scientific papers and literature relevant to the identified problem – demonstrate the application of knowledge and practical skills to the solution of a specific analytical or synthetic problem – understand and apply the principles of experimental design and planning – handle and interpret thoroughly a range of analytical and practical data – formulate of scientifically based conclusions.
<p>General contents:</p> <p>Diploma thesis represents independent work of the student where he/she apply the knowledge and practical skills acquired during their studies. Each student chooses topic and mentor from a narrow field (analytical, inorganic, organic, physical chemistry or methodology, of chemistry teaching) to which Diploma thesis belongs. Diploma thesis includes reviewing the current literature, planning experiments and experimental work in the laboratory. Interpretation of the results and conclusions are done by student itself. Diploma thesis, as a rule, contains the following chapters: Introduction, Theory, Experimental, Results and discussion, Conclusion, Literature.</p> <p>The student is responsible for the authenticity and validity of the data, as well as literature given in it. After finishing writing diploma work student may final approach to defending it.</p>
<p>Methods:</p> <p>Students will present a written report of the practical work and literature search together with a critical evaluation of the work and results in the form of a discussion and conclusion. Diploma thesis will be orally presented by student and defended his/her findings in front of defending board (committee).</p>