

Table 5.2B Master thesis specification

Study programme: Master academic studies of chemistry
Level: Masters studies
ECTS: 30 ECTS
Requirementss: minimum 30 ECTS achieved at Masters study programme in chemistry
Goals of Master thesis: Training students for professional and research work in the field of various chemical disciplines.
Expected outcomes: Defended the final (master) thesis in the field of chemical science disciplines (analytical chemistry, organic chemistry, inorganic chemistry, quality control and environmental management or teaching of chemistry).
General contents: The Master thesis is an independent research work of a student in the field of chemical disciplines (analytical chemistry, organic chemistry, inorganic chemistry, quality control and environmental management or teaching of chemistry). In the course of final thesis the student acquires knowledge of a specific research methodology in the field of chemical sciences disciplines. The student, in consultation with the mentor of the master thesis, prepares a research project, and then conducts the research. Upon the conducted research, the student elaborates the results and writes the Master thesis. The Master thesis contains argumentation for the selection of the research problems, an introduction, a theoretical part, explicated research methodology, a description of the research and research results, discussion of results, concluding remarks and a list of references. After completion of the Master thesis the student approaches its public defence.
Methods: The Master thesis can be a research paper (experimental or other research paper) or review paper. In making the Master thesis common research methods in chemical disciplines are used: methods based on chemical experiment, descriptive methods, analytical methods (especially comparative analysis), method of pedagogical experiment and other. For processing of the results the relevant statistical procedures are used.
Grading (maximum number of points is 100): <ul style="list-style-type: none">- project of Master thesis: up to 10 ECTS,- the thesis score: up to 60 ECTS, and- the defending thesis score: up to 30 ECTS.
Quality of the Master thesis: Quality of written and oral presentation: