

Study Program: Mathematics
Type and level of studies: Bachelor studies
Course name: Graduate Thesis
ECTS:10
Attendance Prerequisites: All exams passed
Final thesis aims: After passing all exams provided by the study program, the student is obliged to write and defend the thesis – a research which demands that the student uses his/her knowledge on methodology of mathematics.
Final thesis outcomes: Upon graduation, a student is competent to understand the tasks within his or her job and is able to reasonably consider and elaborate solutions to problems. He/she is also competent to formulate and/or choose among the proposed solutions to problems, as well as to exchange ideas and information with both experts and non-experts, and to assume teamwork responsibilities.
General overview: After passing all exams (as stipulated by the study program), the student must prepare and take the final exam. Upon consulting his/her teacher, the student is assigned a topic during his/her final year of study. The student must write and defend the thesis. The topics assigned are important for the students' field of study. The thesis is presented in front of at least three faculty members or researchers with a scientific title. The thesis topics are chosen within the domain of vocational subjects and are approved beforehand by the department. The thesis topic should contain: a theoretical and expert treatment of a problem, or a specific project task (which should not be too extensive). The paper should in some way represent a research. The literature and materials used must be chosen among those already available and must already be present in the existing literature. The problem must be dealt with on a more advanced level than that of the study programme. The final thesis must have: 1. Title, candidate's name, mentor's name; 2. Table of contents; 3. Introduction; 4. Main part; 5. Materials and methods.; 6. Results and discussion; 7. Conclusion; 8. Abstract in Serbian and in a foreign language; 9. Literature. The thesis is written using a computer, on an A4 paper format (one-sided print). The final thesis (for Bachelor studies) is handed in in 4 copies. It is presented before a commission (chair, mentor and member). The presentation date is set within 15 days of thesis submission, and is posted via faculty's bulletin board, together with the names of commission members. The submitted draft is reviewed by the commission. If the review is positive, the candidate is allowed to defend it orally. Oral defense is public and is done before the commission and guests. When defending the thesis, the candidate presents the theoretical part of the paper: the topic, aim, methods, results, significance and the potential practical applications. The candidate then answers the questions of the commission and the guests. Oral defense should last up to 45 minutes. When the defense is over, the commission evaluate the defense, the thesis and form a final grade, which is then reported to the candidate. The process of writing and presenting master's and doctor's theses should be in accordance with the appropriate general acts.
Methods: For the purpose of thesis defence, standard methods of presentation should be used.
Assessment (maximum 100 points)
Maximum length is 1 page in A4 If the final thesis exists, it must be included in the course book.