

Level: Bachelor (four years)
Course Title: Graduation Thesis (Code I081)
ECTS: 12
Requirements: Minimum of 228 ECTS credits acquired and all compulsory courses of the study program passed during the studies.
Goals of Graduation Thesis: To introduce rules, acts and processes of individual research and its written and oral presentation in the field of computer science and information technologies.
Expected outcomes: <i>Minimal:</i> Successful students should be able to demonstrate a) minimal application of principles and theoretical foundations acquired during studies, b) minimal progress in knowledge and c) minimal knowledge of the research situation in the field of the graduation thesis. <i>Desirable:</i> Successful students should be able to demonstrate a) appropriate application of principles and theoretical foundations acquired during studies, b) significant improvement in knowledge and c) deep knowledge of the research situation in the field of graduation thesis.
General contents: Individual work of the candidate on the topic he/she has chosen from the list of available topics. Graduation thesis describes the final project on which a student works during a predefined time framework. Attention should be paid to the following: a) Graduation thesis should contain the description of the development of the project, obtained results, and description of the applied methods. b) Graduation thesis has to obey the scientific writing style. The literature has to contain refereed texts (papers and books) and must not contain only references from the Internet that are not refereed. c) Graduation thesis, apart from the main results related to the topic, should also contain the overview of the basic results from the narrow field to which a graduation thesis belong. In this way student demonstrates the knowledge of the research situation in the field.
Methods: a) Time frame for the completion of the project is predefined, but can be extended under some circumstances and followed by appropriate elaboration (according to the defined procedure). b) With the approval of the advisor, the candidate can fill in the application form for the topic of the thesis and submit it to the Board of the Department of Mathematics and Informatics right after signing the activity plan. c) The progress on the project has to be officially conducted by the advisor. The advisor gives a critical note of the process, concerns reasons for potential delay and gives advice. d) The advisor is available to the candidate for all the other discussions and advices. e) The advisor is obliged to review the final project and the written thesis at least once and, based on this, provide the candidate with his/her personal opinion. f) The candidate is fully responsible for the final project and the graduation thesis. g) At the end of the predefined timeframe at the latest, a candidate hands in the project and the written thesis to the responsible authorities of the Faculty/University. After that, the final project and the thesis are distributed to the Evaluation Board members at least 10 days prior to the defence date. h) The Evaluation Board meets before scheduling the date of the defence and approves the defence of the graduation thesis. After that, a candidate schedules the date and defends the graduation thesis. i) Student presents the basic results of his/her research and answers the questions of the Evaluation Board in public.

Grade (maximum number of points is 100)
Quality of the graduation thesis: 70 points. Quality of written and oral presentation: 30 points.