

Study programme(s): Teaching Informatics (IC)				
Level: master				
Course title: Master thesis (code: IA042)				
Lecturers: Miloš Racković, Mirjana Ivanović, Dragan Mašulović, Zoran Budimac, Miloš Stojaković, Đura Paunić, Srđan Škrbić, Vladimir Kurbalija, Miloš Radovanović, Danijela Boberić Krstićev, Danijela Tešendić, Bojana Dimić Surla				
Status: obligatory				
ECTS: 25				
Requirements: Minimum of 90 ECTS credits achieved and all obligatory subjects of the study programme.				
Learning objectives Introducing students to the principles, methods and processes of individual research work in the field of computer science and theoretical informatics, as well as teaching students how to successfully present their work in oral and written form.				
Learning outcomes <i>Minimal:</i> Students are expected to demonstrate a) minimal usage of principles and theoretical knowledge acquired during their studies; b) minimal improvement in knowledge; c) minimal knowledge of the current research trends regarding the master thesis subject matter. <i>Optimal:</i> Students are expected to demonstrate a) adequate usage of principles and theoretical knowledge acquired during their studies; b) significant improvement in knowledge; c) deep understanding of the current research trends regarding the master thesis subject matter.				
Syllabus It includes the candidate's independent work on a topic which he/she chooses from the list of the topics available. Master thesis is described through the final paper (project) on which students work during some period, which is defined in advanced. During their work, the following should be taken into consideration: a) Master thesis must contain description of the final project development, results achieved, as well as description of the methods applied. b) Paper must follow the scientific writing style. Literature must contain reviewed papers and books, and it cannot be based only on the Internet references which are not reviewed. c) Besides the main results regarding the subject matter of thesis, the thesis must contain an overview of the basic results from the field to which it belongs. In that way students show that they do possess some knowledge in the current research trends in the field of interest. Good overview usually contains analysis of scientific papers in English, as well as an explanation of the similarities/differences between those results and results presented in candidate's master thesis.				
Literature According to the teacher suggestion, depending on the topic chosen.				
Weekly teaching load				Other:
Lectures:	Exercises:	Other forms of teaching:	Student research: 20	
Teaching methodology a) The deadline to submit the paper is defined in advanced and can be extended if there is an appropriate explanation behind (procedure for extending deadline is defined); b) Candidate with the mentor's approval can submit a topic of the master thesis to the Council of the Department for Mathematics and Informatics immediately after they have signed the activity plan (see 2e and 2f); c) Progress in the project must be officially reviewed by the mentor and cannot go on without his/her insight into the project and/or paper. Namely, the mentor reviews the project and/or paper just according to planned and performed activities (typically: a framework plan). Mentor provides a critical review of the process, discusses the reasons for any delay and gives some				

advice.

d) Mentor is available to the candidate for consultative work and advice, which he/she gives without previous insight in candidate's project or paper.

e) Mentor is obliged to once check final project and paper and to give candidate his/her opinion on that.

f) The candidate is fully responsible for the final project and master thesis and it can be submitted without prior approval of the mentor.

g) No later than the expiration deadline, the candidate submits the master thesis to appropriate authorities of the Faculty/University (in accordance with the rules of the Faculty), after which it will be distributed to the evaluation board members at least 10 days prior to scheduling the defence.

h) Members of the evaluation board meet before scheduling defence and approve the master thesis. After that, the candidate schedules defence and can defend master thesis in front of the audience. If the evaluation board finds that the thesis does not meet the minimum criteria for a passing grade, a candidate is informed before the defence that he/she failed final exam.

i) Students present the main results of their work in front of the audience and the evaluation board, and give answers to possible questions asked by the evaluation board.

Grading (maximum number of points 100)

Pre-exam obligations	points	Final exam	points
		Quality of master paper	70
		Quality of written and oral presentation	30