

<b>Study programme(s):</b> Informatics (IM)				
<b>Level:</b> master				
<b>Course title:</b> Master thesis (code: IA041)				
<b>Lecturers:</b> 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				
<b>Status:</b> obligatory				
<b>ECTS:</b> 30				
<b>Requirements:</b> A minimum of 90 credits achieved and all obligatory subjects in the program passed.				
<b>Learning objectives</b> Introducing students to the principles, methods and processes of individual research work in the field of computer science and theoretical informatics, as well as to teach them how to successfully present their work in oral and written form.				
<b>Learning outcomes</b> <i>Minimal:</i> Students should be able to demonstrate a) minimal usage of principles and theoretical knowledge acquired during their studies; b) minimal improvement in knowledge; c) minimal knowledge of current research trends regarding subject matter of the master thesis. <i>Optimal:</i> Students should be able to demonstrate a) adequate use of principles and theoretical knowledge acquired during their studies; b) significant improvement in knowledge; c) deep understanding of current research trends regarding the subject matter of the master thesis.				
<b>Syllabus</b> It includes independent work of candidate on a topic which he/she chooses from the list of available topics. Master thesis is described through the final paper (project) on which a student works during some period of time, defined in advance. During his/her work it should be taken in consideration that: a) master thesis must contain description of the final project development, achieved results as well as description of applied methods; b) paper must follow the scientific writing style. Literature must contain reviewed papers and books and cannot be based solely on the Internet references which are not reviewed; c) besides the main results regarding the subject matter, master thesis must contain an overview of the basic results from the field to which the thesis belongs. This enables student to show that he/she has some knowledge of the current research trends in the field of his/her master thesis. Good overview usually contains analysis of scientific papers in English, as well as an explanation about the similarities/differences between those results and results presented in candidate's master thesis.				
<b>Literature</b> According to teacher's suggestion, depending on the topic chosen.				
<b>Weekly teaching load</b>				Other:
Lectures:	Exercises:	Other forms of teaching:	Student research: 20	
<b>Teaching methodology</b> 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)**

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