Description of an Individual Course Unit					
Study program			All		
Module					
Type and level of studies			PhD studies		
Course title			Structure and Reactivity of Organic Molecules		
Professor (for lectures)			Nataša Valentić		
Professor/assistant (for practice)			Tvatasa v atentie		
Professor/assis					
Number of EC	`	<del>-</del>	Type of the course (mandatory/elective)	elective	
Prerequisit	10	3	Type of the course (mandatory/elective)	elective	
Objective of the course  Learning outcomes of the course  Course Content  Theoretical	The course introduces students to the mechanisms of organic reactions, depending on the molecular structure and reaction conditions on the basis of logically organized and understandable facts in order to obtain the desired compounds, with special emphasis on the regioselectivity and stereoselectivity. Correlation between the structure and reactivity (or activities)				
Practical part (practices, LAB, study research work)	or organic mon	scules provides	a rational approach to the synthesis of molecules with de	sned properties.	
Literature					
1 P. Sykes, "A Guidebook to Mechanism in Organic Chemistry", 6th Ed., Longman Group Ltd., New York, 1995.					
	•	F.A. Carey, R.J. Sundberg, "Advanced Organic Chemistry", 4th Ed., Kluwer Academic Publishers, New York, 2000.			
3	M.B. Smith, J. March, "March's Advanced Organic Chemistry: Reactions, Mechanisms, ; and Structure", 6th Ed., Wiley-Interscience, New York, 2007.;				
4	Recommended re	Recommended references from scientific journals.			
5					
Lessons per week					
Lectures	Practices	LAB	Study research work	Other activities	
3			V · · · · · · · ·		
Teaching Methods	Lectures, consu	Lectures, consultations, seminars.			
Grading meth	ods (max. num	ber of points	is 100)		
Pre-exam assesments points Final examination points					
activity during lectures			written exam		
practical assesments			oral exam	50	
mid-term exan					
seminars 50					