Program			Type of studies (cycle)		Thi	Third cycle				
			Name of the program			SEE Doctoral Studies in Mathematical				
			Sciences							
Course title Combinatorics										
Course title		Combina								
		Semester	Course status			ECTS	credits	Con	tact hours	
PMAT 650						D'1 '/			30	
Teaching Teache			Prof. Dr. Amela Muratović-Rib			R1b1c				
staff	Other staff Goal is to give wide knowledge of com				tories to st	ident so that	r en choor	no to pi	as for their	
Course goals		Goal is to give wide knowledge of combinatorics to student so they can choose topics for their uture research and use their knowledge in future.								
Course content/topics										
 Graph coloring and Ramsey theorem, Turans theorem i extremal graphs Systems of distinct representatives De Brujin sequences (0,1) problems and matrices Permanents Van der Waerden conjecture Partitions Latin squares, Hadamard matrices, Designs, Projective and combinatorial geometries, Association schemes Difference sets and automorphisms Polya theory of counting Algebraic techniques in graph theory 										
LITERATURE					Grading					
			cs, Lint, Wilson,		Criterion		Points		Cut-off points	
	Cambridge, 2001					ork		30	17	
[2] Enumerative Combinatorics, Stanley, R.P.,assignmentCambridge Studies in Advanced Mathematics,2.Project20										
Cambridge Studies in Advanced Mathematics					Project			20	13	
2001 [3] Combinato	rial The	Porv Aimor	, Springer, 1997	3	Final exa			50	25	
		Jory, Anglier.	, opiniger, 1997		То	tal		100	55	