D	Level Second			d cvcle				
Program	Name of the p	ume of the program Pure Mathematics						
	<u>.</u>		COUF	RSE				
Course title Topological Groups								
Course code	Semester	Course st	atus		ECTS		Contact L+AE+LE)	hours
PMAT 525	III	Elective of	course		7	3	+2+0	
Lecturer								
Course Goals	 This course provides new concepts in the fields of topology, topological groups, factor groups, uniform structures, disconnectedness, total disconnectedness and metrisability. It assures a solid base for eventual futher mastering of relating fields 							
Learning Outcomes	- The ability to apply the acquired knowledge in relating areas of mathematics							
		CO	URSE CO	ONTENT				
 Notion of subg Theorem on pr Examples. Factor group a Theorem on 00 Theorem on co Theorem on sp Theorem on gr Theorem on to Uniform struct Invariant pseudorem 	basic properties groups. Theorem roperties of topo nd theorems o-dimensional top omponent eleme becial subgroups roup centre and otally disconnect cures on topolog dometric and sep seudometrisabili	on topolo logical gro nt. of a topol central nor ed topological groups paration ax	gical basis ups. ogical grou mal diviso gical group s. Theorem iom.	ip. r os. 1 on uniforr	n contin	uity.		
LITERATURE								
matematič	, Topološke g kog fakulteta u S and K.A. Ross, A STUD	arajevu, Sa Abstract ha	rajevo 201 rmonic an	2.	I, Berlin	, 1963.	klusa studija	Prirodno-
Lectures	45 Exerci	ses	30	Individual	work	100	Total	175
GRADING				REMARKS				
Criterion Maximum points		р	linimum oints					
Midterm exams 50			5					
Final exam	50		0					
Total	100	5	5					