	ALGE	BRAI	C TOPOLOGY I							
1	Course Title:	ALGEB	RAIC TOPOLOGY I							
2	Course Code:	MAT407	7							
3	Type of Course:	Optional								
4	Level of Course:	First Cyc	cle							
5	Year of Study:	4								
6	Semester:	7								
7	ECTS Credits Allocated:	5.00								
8	Theoretical (hour/week):	3.00								
9	Practice (hour/week):	0.00								
10	Laboratory (hour/week):	0								
11	Prerequisites:	none								
12	Language:	Turkish								
13	Mode of Delivery:	Face to	face							
14	Course Coordinator:	Prof. Dr.	OSMAN BİZİM							
15	Course Lecturers:	Prof. Dr.	Osman Bizim							
16	Contact information of the Course Coordinator:	Matema	Üniversitesi, Fen-Edebiyat Fakültesi tik Bölümü, Görükle Bursa-TÜRKİYE 0 224 294 17 50 / ⊵uludag.edu.tr							
17	Website:	ebsite:								
18	Objective of the Course:	The aim topology	of this course to give the basic principals of algebraic							
19	Contribution of the Course to Professional Development:									
20	Learning Outcomes:									
		1	Learns topological groups and their properties.							
		2	Learns group action on a space.							
		3	Learns Brower-fixed point theorem and its applications.							
		4	Learns categories and functors.							
		5	Learns the path, the path-connected topological spaces and local path connected topological spaces.							
		6	Learns the basic concepts of algebraic toplogy.							
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21	Course Content:									
10.	T	Co	ourse Content:							
	Theoretical	l'a a	Practice							
1	Topological Groups and their propert									
2	The acts of a group on a topological and its properties									
3	The Brower-fixed point theorem and applications	its								
4	Categories									

5	Funct	ors														
6	The p	ath in the	e topol	logical	l space	es and	I their									
7		onnected ogical spa					etweei	า								
8		ocal path s applica		ected t	topolog	gical s	paces									
9	Two c	dimensio rties	nal ma	ınifold	s and t	heir										
10		table and propertie		rienta	ble sur	faces	and									
11		ected two properties		nsion	al man	ifolds	and									
12		lassificat ces and t				npact										
13	Triang	gulation	of com	pact s	surface	s										
14	The E	uler cara	acterist	tic of s	surface	s										
	Textbooks, References and/or Other Materials:									 W. S. Massey, A Basic Course in Algebraic Toplogy, Springer-Verlag, 1991. M.J. Greenberg, J.R. Harper, Algebraic Topolgy, A First Course, Addison-Wesley, 1981. J. Munkres, Topology, Prentice-Hill, 2.Ed. 2000. 						
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25	CONTRIBUTION OF LEARNING OUTCOMES TO PROGRAMME QUALIFICATIONS															
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