	ALGE	BRAI	C TOPOLOGY I							
1	Course Title:	ALGEBF	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 / 2uludag.edu.tr							
17	Website:									
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.							
		7								
		8								
		9								
		10								
21	Course Content:		•							
\A/		Co	burse Content:							
	Theoretical	tio 0	Practice							
1	Topological Groups and their proper									
2	The acts of a group on a topological and its properties									
3	The Brower-fixed point theorem and applications	its								
4	Categories									

5	Fund	ctors																			
6		path ertie		e topol	ogical	space	s and	their													
7		logic				onnect e relatio		etweer	٦												
8			path plica		ected t	opolog	jical s	paces	;												
9		dime ertie		nal ma	nifold	s and t	heir														
10			e and perties		rienta	ble sur	faces	and													
11	Connected two dimensional manifolds and their properties																				
12	The classification theorem of compact surfaces and their properties																				
13	Triar	ngula	ation c	of com	pact s	urface	s														
14	The	Eule	r cara	cterist	ic of s	surface	S														
22	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. 										
23 Activit	Asse	esme	ent						1	Numb	or		Dura	tion (hour)	Total \A	lork				
ACIIVII	tivites									NUTTE			Dura		Total Work Load (hour)						
Theo re	heoretical 0									10			3.00			42.00					
Practic	als/La	abs							()			0.00			0.00					
Siel ase	bExamand preperation 1								60	1640			2.00			28.00					
Homew	neworks)			0.00			0.00					
Ecojants			erm (`	Year) l	Learni	ing Act	ivities	to	40	000			0.00			0.00					
Field S			<u>.</u>							0				0.00 20.00			0.00				
	กษย์คุณษ์อุลศรFinal Exam to Success Grade									60100						20.00					
Others										14						28.00					
FrieasE			d Eva	luatio	n Tecl	hnique	s Use	d in th	ne í	1			32.00			32.00					
																150.00 5.00					
	TS Credit of the Course															5.00					
25	5 CONTRIBUTION OF LEARNING OUTCOMES TO PROGRAMME QUALIFICATIONS																				
	I	PQ1	PQ2	PQ3	PQ4	PQ5	PQ6	PQ7	PQ8	PQ9	PQ1 0	PQ11	PQ12	PQ1 3	PQ14	PQ15	PQ16				
ÖK1	ł	5	5	5	5	5	5	5	5	5	5	0	0	0	0	0	0				
ÖK2	ł	5	5	5	5	5	5	5	5	5	5	0	0	0	0	0	0				
ÖK3	ł	5	5	5	5	5	5	5	5	5	5	0	0	0	0	0	0				
ÖK4	ł	5	5	5	5	5	5	5	5	5	5	0	0	0	0	0	0				

ÖK5	5	5	5	5	5	5	5	5	5	5	0	0	0	0	0	0
ÖK6	5	5					_			5	0	-		0	0	0
LO: Learning Objectives PQ: Program Qualifications																
Contrib 1 very low ution Level:				2 Iow		3	Medi	um	4 High			5 Very High				