TOPOLOGY											
1	Course Title:	TOPOLO	DGY								
2	Course Code:	MAT301	8								
3	Type of Course:	Compuls	ory								
4	Level of Course:	First Cyc	le								
5	Year of Study:	3									
6	Semester:	6									
7	ECTS Credits Allocated:	6.00									
8	Theoretical (hour/week):	2.00									
9	Practice (hour/week):	2.00									
10	Laboratory (hour/week):	0									
11	Prerequisites:	none									
12	Language:	Turkish									
13	Mode of Delivery:	Face to f	ace								
14	Course Coordinator:	Prof. Dr.	OSMAN BİZİM								
15	Course Lecturers:	Prof. Dr.	Osman Bizim								
16	Contact information of the Course Coordinator:	Uludağ Üniversitesi, Fen-Edebiyat Fakültesi Matematik Bölümü, Görükle Bursa-TÜRKİYE 0 224 294 17 50 / obizim@uludag.edu.tr									
17	Website:										
18	Objective of the Course: The aim of the course is to make the students gain the basic subjects of the topological spaces. The goals are to teach the topological spaces, examples of topological and the related notion and results so that the students can make their applications, and I them know about the historical background of the topics.										
19	Contribution of the Course to Professional Development:										
20	Learning Outcomes:										
		1	Learns topology and topological spaces.								
		2	Learns the interior, the exterior, the boundary and the closure of a set in topological spaces.								
		3	Learns continuity, open-closed function and homeomorphism in the topological spaces.								
		4	Learns the product and the quotient spaces.								
		5	Learns sequences and convergence of sequences, nets and filters in topological spaces.								
		6	Learns separation axioms in topological spaces and compactness, connected.								
		7									
		8									
		9									
		10									
21	Course Content:										
		Co	ourse Content:								
Week	Theoretical		Practice								
1	Topology, topological space and sub topology	ospace	Examples of the Topology, topological space, subspace topology								

2	Topo point and o	ologio ts, bo closu	cal co ounda ure po	ncepts iry poin pints in	s, inte nts, a topol	rior and ccumul logical	d exte lation space	erior points e.	Ex po po	Examples of the Topological concepts, interior and exterior points, boundary points, accumulation points and closure points in topological space.										
3	Base topol	ase, subbase and local base of the pology.									Examples of the Base, subbase and local base of the topology.									
4	The space	e countable space and the separable ace									Examples of The countable space and the separable space.									
5	The and t	he neighborhoods in the topological spaces nd the system of the neighborhoods.									Examples of the neighborhoods in the topological spaces and the system of the neighborhoods.									
6	Cont	inuo	us fur	nctions	s on to	opologi	cal sp	aces.	Ex sp	Examples of the continuous functions on topological spaces and properties of continuous functions.										
7	Oper on to	n ano polo	d clos ogical	ed fun space	ctions s.	s, home	eomo	rphisms	s Ex ho	Examples of the Open and closed functions, homeomorphisms on topological spaces.										
8	Sequ conv	equences in the topological spaces, onvergent sequences, nets and filters.									Examples of the Sequences in the topological spaces, convergent sequences, nets and filters.									
9	Prod prod	roduct topology and the properties of the oduct spaces.									Examples of the product spaces.									
10	Quot quoti	uotient topology and the properties of the uotient spaces.									Examples of the quotient spaces.									
11	Com prop topol	Compact topologic spaces and their properties, countable and sequential compact topologic spaces.									Examples of the compact topologic spaces.									
12	Loca comp	ocal compact spaces and one point ompactification.									Examples of the local compact spaces and one point compactification.									
13	Conr spac	Connected topologic spaces, path connected									Examples of the connected topologic spaces, path									
Activites									Number				Duration (hour)			Total Work Load (hour)				
Th ppp re	Thppreticatbooks, References and/or Other								[1]	[1]1 4 opoloji, O. Bizim			2.00	2.00			28.00			
Practicals/Labs									14			2.00	2.00			28.00				
Self stu	Self study and preperation									[4] 40pology, J. Munkers			r\$4.00	4.00			56.00			
Homeworks									(0			0.00			0.00				
TERM I	Projects TERM LEARNING ACTIVITIES INLIMBE								W	WEIGHT			0.00	0.00						
Field S	eld Studies									0			0.00	15.00						
Midterr	arm Gxams 1								40	100			15.00			15.00				
Others										0.00			2.00	2.00			20.00			
										0.40)		180.00				
Total									110	100.00					6.00					
ECTE									<u> </u>							6.00				
									0.00											
Contribution of Final Exam to Success Grade								60	60.00											
Total								10	100.00											
Measu Course	iremer e	nt an	d Eva	aluatio	n lec	hnique	s Use	d in the)											
24	ECI	rs /	WO	RK L	OAD	TAB	LE													
25 CONTRIBUTION OF LEARNING OUTCOMES TO PROGRAMME QUALIFICATIONS																				
	F	PQ1	PQ2	PQ3	PQ4	PQ5	PQ6	PQ7 F	PQ8	PQ9	PQ1	PQ11	PQ12	PQ1	PQ14	PQ15	PQ16			
ÖK1	5	5	5	5	5	5	5	5 5	5	5	5	0	0	0	0	0	0			
			I	I	I	L	I			1	I			I	I	1				

ÖK2	5	5	5	5	5	5	5	5	5	5	0	0	0	0	0	0
ÖK3	5	5	5	5	5	5	5	5	5	5	0	0	0	0	0	0
ÖK4	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	5	5	5	5	5	5	5	0	0	0	0	0	0
LO: Learning Objectives PQ: Program Qualifications																
Contrib 1 very low ution Level:				2 low 3			Medi	um	4 High			5 Very High				