GEOMETRY											
1	Course Title:	GEOMETRY									
2	Course Code:	İMT1004									
3	Type of Course:	Compulsory									
4	Level of Course:	First Cycle									
5	Year of Study:	1									
6	Semester:	2									
7	ECTS Credits Allocated:	4.00									
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:	Doç. Dr. MENEKŞE SEDEN TAPAN BROUTIN									
15	Course Lecturers:	Y.Doç.Dr. Menekşe Seden TAPAN BROUTIN									
16	Contact information of the Course Coordinator:	Y.Doç.Dr. Menekşe Seden TAPAN BROUTIN tapan@uludag.edu.tr 0 224 2942162 Uludağ Üniversitesi Eğitim Fakültesi, A Blok, İlköğretim Bölümü, 16059 Nilüfer,Bursa									
17	Website:										
18	Objective of the Course:	Studying Euclidean geometry thorough all its axiomatic structure and conceptualizing the properties of plane figures.									
19	Contribution of the Course to Professional Development:										
20	Learning Outcomes:										
		1	Explains the historical development of Euclidean and non-Euclidean geometries								
		2	Describes the axiomatic structure of geometry								
		3	Explains concepts of defined and undefined terms, axiom and theorem								
		4	Read the geometry book written by Ataturk and understand its content and its importance								
		5	Formulates basic axioms of Euclidean geometry and use them in proofs								
		6	Comments geometric concepts with a deductive point of view								
		7	Formulates sufficient and complete definitions for the concepts of triangle, rectangle and polygon and make modulation between these definitions and geometric properties								
		8	Realises basic geometric drawings with ruler and compass and make detailed explanations for these drawings								
		9	Defines the concepts of the circle and disk, proove theorems about the angle and length.								
		10	Formulates properties of objects in space, areas and volumes of solids								
21	Course Content:										
	Course Content:										

Week	Theoretical		Practice							
1	Euclidean and non-Euclidean geome historical development. Axiomatic str geometry, concepts of defined and uterms, axioms and theorems	ucture of								
2	Review of the geometry book written Atatürk. Combination axioms and reland theorems and proofs related to the subject.	lation								
3	Order axioms and relation and theor proofs related to the subject. Cantor's continuity axiom.	ems and								
4	Congruence axioms and relations fo segments. Construction of segments, equilatera triangles using only compass and unituler	I								
5	Concept of angle. Congruence axiom relations for angles; theorems and pr related to the subject. Construction o using only compass and unitless rule	oofs f angles								
6	Concept of triangle. Congruence axic relations for triangles; theorems and related to the subject. Construction o triangles using only compass and unruler.	proofs f								
7	Matching and equality in triangles. SA	AS								
Activit			N	umber	Duration (hour)	Total Work Load (hour)				
Theore	ruler and compass. Triangle inequalit	y. SAS	14	ļ	3.00	42.00				
	linequality and inclined line theorems. als/Labs	and their	0		0.00	0.00				
Se 9 stu	ஞ் ரு வெற்ற நடிக்கும் in the plane. Pos	itions of	14	ļ	4.00	56.00				
Homev	vorks	i	4		12.00	48.00				
Pr oje ct	Parallels axioms and relation and the	eorems	2		17.00	34.00				
Field S	tudies		0		0.00	0.00				
Midterr	Lexams Drawings of paralll lines on a plane		1		25.00	25.00				
Others			0		0.00	0.00				
Final E	ranased with this axiom.Hilbert's para	llelism	1		35.00	35.00				
	/ork Load					240.00				
	Pull and 30 flicient definition concept.		Щ			8.00				
ECTS	Credit of the Course concepts and making the transition between definitions and geometrical pro	etween				4.00				
14	Objects in space, prisms, pyramids, cone, sphere. Areas and volumes of objects.									
22	Textbooks, References and/or Other Materials:									
23	Assesment									
TERM L	EARNING ACTIVITIES	NUMBE R	WEI	GHT						
Midterr	n Exam	1	40.00							
Quiz		0	0.00							
Home	work-project	0	0.00							
L		Ī								

Final Exam	1	60.00						
Total	2	100.00						
Contribution of Term (Year) Learning Activit Success Grade	ies to	40.00						
Contribution of Final Exam to Success Grad	е	60.00						
Total		100.00						
Measurement and Evaluation Techniques U Course	sed in the							
24 ECTS / WORK LOAD TABLE	4 ECTS / WORK LOAD TABLE							

25	CONTRIBUTION OF LEARNING OUTCOMES TO PROGRAMME QUALIFICATIONS															
	PQ1	PQ2	PQ3	PQ4	PQ5	PQ6	PQ7	PQ8	PQ9	PQ1 0	PQ11	PQ12	PQ1	PQ14	PQ15	PQ16
ÖK1	4	0	3	0	5	1	2	0	0	0	0	0	0	0	0	0
ÖK2	3	0	3	0	5	0	4	0	0	0	0	0	0	0	0	0
ÖK3	3	0	2	0	5	0	5	0	0	0	0	0	0	0	0	0
ÖK4	3	0	2	0	1	0	2	1	0	0	0	0	0	0	0	0
ÖK5	3	0	2	0	5	0	5	0	0	0	0	0	0	0	0	0
ÖK6	3	0	3	0	5	0	5	0	0	0	0	0	0	0	0	0
ÖK7	3	0	3	0	5	0	5	0	0	0	0	0	0	0	0	0
ÖK8	3	0	4	0	4	0	4	0	0	3	0	0	0	0	0	0
ÖK9	3	0	2	0	5	0	5	0	0	0	0	0	0	0	0	0
ÖK10	2	0	1	0	4	0	4	2	0	0	0	0	0	0	0	0
LO: Learning Objectives PQ: Program Qualifications																
Contrib 1 very low 2 low ution					3 Medium			4 High			5 Very High					