GEOMETRY										
1	Course Title:	GEOME	TRY							
2	Course Code:	MAT1004								
3	Type of Course:	Compuls	sory							
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, axion 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:								
	Course Content:									

Week	Theoretical		Practice							
1	Euclidean and non-Euclidean geome historical development. Axiomatic str geometry, concepts of defined and u terms, axioms and theorems	tries' ucture of undefined								
2	Review of the geometry book written Atatürk. Combination axioms and re and theorems and proofs related to the subject.	by lation he								
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 un ruler	r I itless								
5	Concept of angle. Congruence axiom relations for angles; theorems and pr related to the subject. Construction o using only compass and unitless rule	ns and oofs f angles er.								
6	Concept of triangle. Congruence axic relations for triangles; theorems and related to the subject. Construction o triangles using only compass and ur ruler.	oms and proofs f nitless								
7	Matching and equality in triangles. S	AS								
Activit	es	oorome	Number	Duration (hour)	Total Work Load (hour)					
Theore	reder and compass. Triangle inequalit	ty. SAS	14	3.00	42.00					
Practica	uneduality and inclined line theorems. als/Labs	and their	0	0.00	0.00					
Se <b>9</b> stu	Giral cline petetions in the plane. Pos	itions of	14	4.00	56.00					
Homew	vorks		4	12.00	48.00					
Project	Parallels axioms and relation and the	eorems	2	17.00	34.00					
Field S	tudies		0	0.00	0.00					
Midtern			1	25.00	25.00					
Others	IDrawinds of paralli lines on a blane		0	0.00	0.00					
Final E	wantassed with this axiom.Hilbert's para	llelism	1	35.00	35.00					
Total W	/ork Load	•			240.00					
Total w	While and softwire the definition concept				8.00					
ECTS	Credit of the Course				4.00					
	concepts and making the transition b these definitions and geometrical pro	etween perties.								
14	Objects in space, prisms, pyramids, or cone, sphere. Areas and volumes of objects.	cylinder, these								
22	Textbooks, References and/or Other Materials:									
23	Assesment									
TERM L	EARNING ACTIVITIES	NUMBE R	WEIGHT							
Midtern	n Exam	1	40.00							
Quiz		0	0.00							
Home	vork-project	0	0.00							
L		I	1							

Final Exam 1							60.	60.00								
Total 2							100	100.00								
Contribution of Term (Year) Learning Activities to Success Grade							40.	40.00								
Contribution of Final Exam to Success Grade							60.	60.00								
Total							100	100.00								
Measurement and Evaluation Techniques Used in the Course						ne										
24 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 3	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 ution Level:1 very low very low2 lo 2			2 low		3	Medi	um	4 High			5 Very High					