EUCLIDIAN GEOMETRY

1	Course Title:	EUCLIDIAN GEOMETRY
2	Course Code:	İMÖ1008
3	Type of Course:	Compulsory
4	Level of Course:	First Cycle
5	Year of Study:	1
6	Semester:	2
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. MENEKŞE SEDEN TAPAN BROUTIN
15	Course Lecturers:	Doç.Dr. Menekşe Seden TAPAN BROUTIN
16	Contact information of the Course Coordinator:	Doç.Dr. Menekşe Seden TAPAN BROUTIN tapan@uludag.edu.tr 0 224 2955021 Uludağ Üniversitesi Eğitim Fakültesi, A Blok, Matematik ve Fen Bilimleri Eğitimi Bölümü, 16059 Nilüfer,Bursa
17	Website:	
18	Objective of the Course:	To examine Geometry and its Teaching in an academic level
19	Contribution of the Course to Professional Development:	To examine Geometry and its Teaching in an academic level
20	Learning Outcomes:	

		1	The student has academic knowledge about teaching geometry.
		2	The student gains a problem solving perspective
		3	The student analyzes the properties of two and three dimensional geometric shapes and examine academic articles on the subject.
		4	Explain, apply and research the definition, structure and usage of geometry in real life.
		5	Identify the situation in the literature regarding similar triangles, similarity theorems, similarity in triangles.
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21	Course Content:	

Course Content:		
Week	**Theoretical**	**Practice**
1	The development of geometric thinking in children	
2	Basic principles of geometry teaching	
3	Van Hiele geometry learning levels	

4	Basic concepts of geometry	
5	Basic concepts of geometry and their place in the literature	
6	Transformation geometry and geometric transformations	
7	Transformation geometry and geometric transformations	
8	Proof methods and related articles	
9	Articles on proof methods	
10	Teaching basic geometric drawings (with the help of compass, set square, ruler, protractor, etc.)	
11	Literature on basic geometric drawings	
12	Common misconceptions in the field of geometry	
13	Articles on common misconceptions in the field of geometry	
14	Current research on Geometry Teaching	

22	Textbooks, References and/or Other Materials:	Current academic articles in the field Kuramdan Uygulamaya Matematik Eğitimi, Adnan Baki
23	Assesment	

TERM LEARNING ACTIVITIES	NUMBER	WEIGHT
Midterm Exam	0	0.00

Activites	Number	Duration (hour)	Total Work Load (hour)
Theoretical / Final Exam	1 / 60	3.00	42.00
Practicals/Labs	0	0.00	0.00
Self study and preperation	40	8.00	80.00
Contribution of Term (Year) Learning Activities to Success Grade	40.00		
Homeworks	0	0.00	0.00
Contribution of Final Exam to Success Grade	60.00		
Projects	0	0.00	0.00
Field Studies	0	0.00	0.00
Measurement and Evaluation Techniques Used in the Course	Exams, assignments, performance, in-class participation		
Midterm exams	1	2.00	2.00
Others	0	0.00	0.00
24 ECTS / WORK LOAD TABLE			
Final Exams	1	16.00	16.00
Total Work Load			150.00
Total work load/ 30 hr			5.00
ECTS Credit of the Course			5.00

25	**CONTRIBUTION OF LEARNING OUTCOMES TO PROGRAMME QUALIFICATIONS**

	PQ1	PQ2	PQ3	PQ4	PQ5	PQ6	PQ7	PQ8	PQ9	PQ10	PQ11	PQ12	PQ13	PQ14	PQ15	PQ16
ÖK1	4	4	5	4	5	4	5	5	5	5	3	5	4	5	4	5
ÖK2	5	4	5	4	5	4	5	4	4	5	5	4	4	5	5	4
ÖK3	5	4	5	4	5	5	4	5	4	4	4	4	5	4	5	5
ÖK4	5	5	4	5	4	5	4	5	5	4	4	5	5	4	5	5

ÖK5	5	5	4	5	4	4	5	4	4	5	5	5	4	4	4	4

LO: Learning Objectives   PQ: Program Qualifications

Contrib ution Level:	1 very low	2 low	3 Medium	4 High	5 Very High