Course Syllabus

Code - Course Title	**MAT348 - Teaching Geometry and Measurement**
Course Type	VI. SEMESTER
Laboratory + Practice	2+2
ECTS	**5.0**
Language of Instruction	Türkçe
Course Type	Required Courses

Mode of Delivery	The mode of delivery of this course is Face to face
Prerequisites	There is no prerequisite or co-requisite for this course.
Courses Recomended	There is no recommended optional programme component for this course.
Recommended Resources	1. Olkun, S. ve Toluk Uçar, ZEtkinlik Temelli Matematik Öğretimi. Anı Yayıncılık, (2000).2. Altun, M. Matematik Öğretimi (1-5. sınıflar). Aktüel Yayıncılık,2005.3.Baykul, Y. Matematik Öğretimi (1-5. sınıflar). Pegem A Yayıncılık.(2005).4. Elemantary and Middle School Mathematics: Teaching Developmentally. Third Edition. Preview B Van de Walle, John A.,1998 5. Developing Thinking in Geometry Johnston-Wilder, Sue (Editor) Mason, John (Editor) Sage Publications, Incorporated 2005 6. Developing Thinking, Developing Learning McGregor, Debra (Author) Open University Press, 2007
Work Placement	N/A

Course Syllabus

Weeks	Learning Outcomes	Topics	Teaching Methods
Week - 1		Van Hiele geometry thinking levels	
Week - 2		Basic Geometric Concepts	
Week - 3		Geometrik Structures	
Week - 4		Geometric Objects	
Week - 5		Equality and Similarity	
Week - 6		Transformational Geometry	
Week - 7		Projections	
Week - 8		Patterns and Tesselations	
Week - 9		Fractals	
Week - 10		Nature of Measuerements	
Week - 11		Teaching of time subject	

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Weeks	Learning Outcomes	Topics	Teaching Methods
Week - 12		Teaching of lenght subject	
Week - 13		Teaching of area and volume subjects	
Week - 14		Teaching of angle measurement	

Learning Outcomes

#	Learning Outcome
1	Van Hiele will be able to explain geometric thinking levels.
2	basic geometric concepts, geometric structures and geometric bodies will be able to define
3	Equality and and similarity will be able to define.
4	Transformation geometry, projections, patterns and tesselations and fractals will be defined.
5	Pythagorean theorem will be able to explain.
6	Nature of measurement, time, length, area, volume and angle measurement will be able to teach.
7	The student knowledge on these topics will be able to explain.
8	The relationship between these subjects and daily life and other lessons will be able to explain.

Sustainable Development Goals

No content has been provided.

Course Theme

No content has been provided.

AKTS Workload

Activity	Duration (Hour)	Count	Workload
Teorik Derse Katılım	0	0	0
Sınıf Dışı Çalışma (Ön Hazırlık & Pekiştirme Amaçlı)	0	0	0
Ödevler	0	0	0
Proje - Rapor - Sunum Hazırlama	0	0	0
Ara Sınav Hazırlığı (sınav süresi dahil)	0	0	0
Final Sınavı Hazırlığı (sınav süresi dahil)	0	0	0
Uygulama (Laboratuvar, Müzik/Enstrüman Uygulaması, Atölye/Saha Çalışması vb.)	0	0	0
Staj Uygulaması	0	0	0
		Calculated ECTS	**0**

Assessment Method and Passing Requirements

No content has been provided.