Course Syllabus

Code - Course Title	**ÖMB302 - Methodology in the Area of Specialization II**
Course Type	VI. SEMESTER
Laboratory + Practice	2+2
ECTS	**6.0**
Language of Instruction	Türkçe
Course Type	Required Courses
Course Instructor(s)	PROF. DR. NİLÜFER KÖSE, PROF. DR. DİLEK TANIŞLI

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	None
Recommended Resources	*Altun, Murat (2000) Matematik Öğretimi. Bursa: Erkam Matbaası *Olkun, S.& Toluk-Uçar, Z. (2007). İlköğretimde Etkinlik Temelli Matematik Öğretimi. Ankara: Maya Akademi. *Billstein, R., Libeskind, S. & Lott, J. (2007). A problem solving approach to mathematics for elementary school teachers. Boston: Pearson, Addison Wesley.
Work Placement	Not Applicable

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Weeks	Learning Outcomes	Topics	Teaching Methods
Week - 1		Knowledge of subject matter: Pattern, variable, algebraic expression, equation	
Week - 2		teaching activities about pattern and algebraic expression	
Week - 3		teaching activities about equation and inequalities	
Week - 4		teaching activities about algebraic expression and polygons	
Week - 5		teaching activities about transformation geometries	
Week - 6		Teaching related to measurement issues	
Week - 7		Teaching related to measurement issues	
Week - 8		instruction of topics relating to learning domains of measurement	
Week - 9		instruction of topics relating to learning domains of measurement	
Week - 10		teaching activities about areas of quadrilaterals and triangles.	
Week - 11		teaching activities relating to circle- geoemtric objects	
Week - 12		instruction of topics relating to data analysis/probability.	
Week - 13		instruction of topics relating to data analysis/probability.	

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Weeks	Learning Outcomes	Topics	Teaching Methods
Week - 14		instruction of topics relating to data analysis/probability.	

Learning Outcomes

#	Learning Outcome
1	explain problem, problem solving and thereof significant.
2	explain goals of instruction of problem solving and phase of instruction of problem solving
3	apply instruction of world/rutin problem solving and solving strategies of non-rutin problems.
4	apply instruction of topics relating to learning domains of numbers, measurement, geometry and data analysis/probability.
5	design activity plans for instruction of topics in to learning domains of numbers, measurement, geometry and data analysis/probability.

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.

Assessment Method and Passing Requirements	Quamtity	Percentage (%)
1.Midterm Exam	1	25
Final Exam	1	40

Assessment Method and Passing Requirements	Quamtity	Percentage (%)
Homework	1	35
	Sum (%)	**100**