Course Syllabus

Code - Course Title	**MAT326 - Metric and Topological Spaces II**
Course Type	VI. SEMESTER
Laboratory + Practice	2+2
ECTS	**5.0**
Language of Instruction	Türkçe
Course Type	Required Courses
Course Instructor(s)	PROF. DR. SADETTİN ERDEM, PROF. DR. NEDİM DEĞİRMENCİ

Course Syllabus

Weeks	Learning Outcomes	Topics	Teaching Methods
Week - 1		Countability properties; First and second countability	
Week - 2		Separation axioms; T1 and T2 spaces	
Week - 3		Go on separation axioms; Regular, completely regular	
Week - 4		Solving some problems related with separation axioms	
Week - 5		Convergence in topological spaces; Sequence convergence	
Week - 6		Nets and filters	
Week - 7		Convergence of Nets and filters	
Week - 8		Solving some problems of convergence	
Week - 9		Connected spaces; Disconnected spaces	
Week - 10		To contınue connectedness	
Week - 11		Path-connectedness	
Week - 12		Solving some problems connectedness	
Week - 13		Complete metric spaces; Contractive map; The Banach fixed point theorem	
Week - 14		The Bair theorem	

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	20
Final Exam	1	55
2.Midterm Exam	1	25
	Sum (%)	**100**