Course Syllabus

Code - Course Title	**MAT324 - Abstract Algebra II**
Course Type	VI. SEMESTER
Laboratory + Practice	2+2
ECTS	**5.0**
Language of Instruction	Türkçe
Course Type	Required Courses
Course Instructor(s)	DOÇ. DR. YUNUS ÖZDEMİR

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	Abstract Algebra I
Recommended Resources	*A. Asar, A. Arıkan, Cebir. Eflatun Yayınevi, 2009.
Work Placement	N/A

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Weeks	Learning Outcomes	Topics	Teaching Methods
Week - 1		Ring theory: Definitions and Examples.	
Week - 2		Sub rings and ideals, Quotient rings.	
Week - 3		Unique factorization domain.	
Week - 4		Homomorphisms	
Week - 5		Isomorphism Theorems	
Week - 6		Quotient Field	
Week - 7		Polinomial rings	
Week - 8		Euclidean rings	
Week - 9		Irreducible polinomials.	
Week - 10		Maximal ideals	
Week - 11		Continue subject	
Week - 12		Principal ideals.	
Week - 13		Extension fields.	
Week - 14		Normal extensions.	

Learning Outcomes

#	Learning Outcome
1	define ring, integral domain and characteristic of an integral domain, solve examples and prove related theorems.
2	define polynomials and polynomial rings, solve examples and prove related theorems.
3	define maximaland prime ideal, solve examples and prove related theorems.

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	50
2.Midterm Exam	1	25
	Sum (%)	**100**