Course Syllabus

Code - Course Title	**AYG106 - Database Management Systems**
Course Type	II. SEMESTER
Laboratory + Practice	3+1
ECTS	**5.0**
Language of Instruction	Türkçe
Course Type	Required Courses
Course Instructor(s)	ÖĞR. GÖR. DR. HANDE TİRYAKİ

Mode of Delivery	Face to Face
Prerequisites	There are no prerequisites.
Courses Recomended	It is not available.
Recommended Resources	It will be announced later.
Work Placement	It is not available.

Course Syllabus

Weeks	Learning Outcomes	Topics	Teaching Methods
Week - 1		Database Concepts and Relational Model	
Week - 2		Database Access and Setup	
Week - 3		Basic Database Query Structures	
Week - 4		Database Table Creation and Management	
Week - 5		Advanced Database Querying Techniques	
Week - 6		Database DDL and DML Commands	
Week - 7		Database Design and Normalization	
Week - 8		Data Manipulation and Transactions	
Week - 9		Database Backup and Recovery Strategies	
Week - 10		Database Performance Optimization	
Week - 11		Database Security and Authorization	
Week - 12		Database Application Development and Integration	
Week - 13		Database and Cloud-Based Services	
Week - 14		Database Management and Maintenance	

Learning Outcomes

#	Learning Outcome
1	You can gain the ability to develop real-world applications using database systems.
2	May have basic knowledge of database performance optimization and security.
3	Developing knowledge and skills in database management and maintenance.
4	Can understand the basic features of database systems.

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.