Course Syllabus

Code - Course Title	**VBA312 - Data Mining**
Course Type	VI. SEMESTER
Laboratory + Practice	2+0
ECTS	**4.0**
Language of Instruction	İngilizce
Course Type	Area Elective Courses
Course Instructor(s)	DR. ÖĞR. ÜYESİ ÖNDER DORAK

Mode of Delivery	Face to face

Course Syllabus

Weeks	Learning Outcomes	Topics	Teaching Methods
Week - 1		Knowledge Discovery in Databases (KDD) process	
Week - 2		Performing data integration	
Week - 3		Executing complex data transformations	
Week - 4		Advanced Predictive Modeling fundamentals	
Week - 5		Building ensemble methods	
Week - 6		Implementing support vector machines	
Week - 7		Introduction to artificial neural network architectures	
Week - 8		Pattern Evaluation: Defining interestingness measures	
Week - 9		Interpreting complex data patterns	
Week - 10		Deploying data mining models into production	
Week - 11		Applied Data Mining: Sequential pattern mining	
Week - 12		Text mining applications in data mining	
Week - 13		Addressing data mining ethics	
Week - 14		Data privacy concerns and regulations	

Learning Outcomes

#	Learning Outcome
1	Execute Knowledge Discovery in Databases (KDD) processes
2	Implement advanced support vector machines and ANNs

Learning Outcomes

#	Learning Outcome
3	Interpret complex data patterns and evaluate interestingness
4	Apply sequential pattern and text mining to datasets

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.