Course Syllabus

Code - Course Title	**ETE530 - Learning Analytics**
Course Type	II. SEMESTER
Laboratory + Practice	3+0
ECTS	**6.0**
Language of Instruction	Türkçe
Course Type	Elective Courses
Course Instructor(s)	PROF. DR. MEHMET FIRAT

Mode of Delivery	Distance education
Prerequisites	This course has no prerequisites or co-requisites
Courses Recomended	Determined by the graduate adviser based on student needs
Recommended Resources	Tableau Public
Work Placement	N/A

Course Syllabus

Weeks	Learning Outcomes	Topics	Teaching Methods
Week - 1		Basic concepts of learning analytics	
Week - 2		Purposes and stakeholders of learning analytics	
Week - 3		Stages of learning analytics	
Week - 4		Digital footprints of students	
Week - 5		Big data in learning analytics	
Week - 6		Processing big data for learning analytics	
Week - 7		Educational data mining	
Week - 8		Data visualization in learning analytics	
Week - 9		Data visualization tools	
Week - 10		Tableau Public	
Week - 11		Tableau Public examples	
Week - 12		Dashboards based on learning analytics	
Week - 13		Dashboards in LMSs	
Week - 14		Algorithms in learning analytics	

Learning Outcomes

#	Learning Outcome
1	Definition of learning analytics
2	List the objectives of learning analytics
3	Explain the importance of big data in learning analytics
4	Definition of educational data mining
5	Discuss the place of data visualization in learning analytics
6	Design a dashboard based on learning analytics

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.