Course Syllabus

Code - Course Title	**UZE580 - Learning Analytics and Big Data in Distance Education**
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	The mode of delivery of this course is face to face education
Prerequisites	There is no prerequisite or co-requisite for this course.
Courses Recomended	Determined by the graduate adviser based on student needs
Recommended Resources	Fırat, M. (2021). Uygulamadan Kurama açık ve Uzaktan Öğrenme. Nobel YayıncılıkLang, C., Siemens, G., Wise, A., & Gasevic, D. (Eds.). (2017). Handbook of learning analytics. New York, NY, USA: SOLAR, Society for Learning Analytics and Research.Fırat, M. (2019). Uygulamadan kurama açık ve uzaktan öğrenme. Ankara: Nobel Akademi Yayınları.
Work Placement	N/A

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Weeks	Learning Outcomes	Topics	Teaching Methods
Week - 1		Key Concepts: Data, Information, Analysis and Analytics	
Week - 2		Big Data: 3V, 5V, 7V	
Week - 3		Learning Analytics Components	
Week - 4		Learning Analytics Steps	
Week - 5		Outcomes of Learning Analytics	
Week - 6		Data Visualization and Tools	
Week - 7		Using Tableau	
Week - 8		Big Data Processing with Tableau	
Week - 9		Using Tableau in Learning Analytics	
Week - 10		Web Analytics	
Week - 11		Web Analytics Platforms: Google Analytics and Yandex Metrica	
Week - 12		Social network analysis	

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Weeks	Learning Outcomes	Topics	Teaching Methods
Week - 13		Learning analytics research	
Week - 14		Review of open and distance learning researchs on learning analytics and examples	

Learning Outcomes

#	Learning Outcome
1	Distinguish between data, information, analytics, analytics, big data and data mining
2	Explaining big data components and big data usage areas
3	Discuss learning analytics and its related areas
4	Using Tableu effectively in learning analytics
5	Discussing the processes of Web Analytics and using Web Analytics Platforms

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.