Course Syllabus

Code - Course Title	**YBS304 - Data Visualization**
Course Type	VI. SEMESTER
Laboratory + Practice	3+0
ECTS	**5.0**
Language of Instruction	İngilizce
Course Type	Required Courses

Mode of Delivery	Face to face
Prerequisites	None
Courses Recomended	None
Recommended Resources	Relevant sources in the literature
Work Placement	Practical issues are covered in the course

Course Syllabus

Weeks	Learning Outcomes	Topics	Teaching Methods
Week - 1		History of Data Visualization	
Week - 2		Data Types, Attribute types, Dataset types (Tables, Networks, field, geometry)	
Week - 3		Marks and Channels, Using the correct marker (Points, Lines, Areas)	
Week - 4		Channel usage and effectiveness	
Week - 5		Data Abstraction, data grouping and visualization; arrange tables, word clouds	
Week - 6		Scatterplots, bar charts, streamgraphs, dot and line charts; bar charts	
Week - 7		Streamgraphs, Dot and Line Charts	
Week - 8		Matrix alignment (cluster heatmaps , scatterplot Matrix)	
Week - 9		Color Theory, Color maps and Other channels	
Week - 10		Data visualization softwires and tools	
Week - 11		Spreadsheets	
Week - 12		Tableu	
Week - 13		Google data studio	
Week - 14		Advanced data visualization tools	

Learning Outcomes

#	Learning Outcome
1	Explains Data and features
2	Explains chart properties
3	Lists data visualization tools
4	Uses basic dataviz tools

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.