Content

Course Code	Course Name	Semester	Theory	Practice	Lab	Credit	ECTS
JOU308	Data journalism	6	1	2	0	3	4

Prerequisites	
Admission Requirements	

Language of Instruction	English
Course Type	Elective
Course Level	Bachelor Degree
Objective	The Data Journalism course aims to understand practically and theoretically the basic stages of this field, which are data finding, data collection, data cleaning, data analysis, data visualization, and to understand the open data relationship by using the right to information. In addition, the course emphasizes computer-assisted journalism and data-based journalism as a result of data journalism in the developing Internet world and describes how it plays an essential role in more effective transmission of news in newsrooms as the future of journalism, with developing online open sources, tools and techniques.
Content	Data Types Open Data, Data Disclosure Methods, and Ethics Definition/History of Data Journalism - Where It Came From Definition of Scattered Data, Accuracy of Data Recognizing and Understanding Data Formats How to Find Data Data Sources and Database Management Finding a Story with Data - How-To Data Cleaning - How to Make sense of Data Data Scraping - Websites as a data source Introduction to Data Visualization Tools (Open Source) Right Graph by Subject, Selection Map Basic Statistics and Working Practices in Excel Relationship between Right to Information Request and Open Data Resources and Techniques Social Media Data Analysis / Usage Verifying Digital Content

References	AVVG http://www.avvg.org.tr/yazilar/94-acik-veri-ve-veri-okuryazarligi-egitimleri%C2%A0herkesin-erisimine-acildi.html Data Journalism: Inside the global future http://www.slideshare.net/mrdamian/data-journalism-inside-the-global-future https://www.amazon.co.uk/d/Books/Data-Journalism-Inside-global-future-Tom-Felle/1845496639 Data Journalism: Mapping the Future http://www.abramis.co.uk/books/bookdetails.php?id=184549616 Scraping for Journalists https://leanpub.com/scrapingforjournalists NUMBERS IN THE NEWSROOM: USING MATH AND STATISTICS IN NEWS, SECOND EDITION, E-VERSION http://store.ire.org/products/numbers-in-the-newsroom-using-math-and-statistics-in-news-second-edition-e-version Open Data Institute / http://theodi.org/ School of Data / http://schoolofdata.org/ Getting Started with Data Journalism /Writing data stories in any size newsroom /by Claire Miller/https://leanpub.com/datajournalism Data Journalism HandBook /Edited by Jonathan Gray,Lilliona Bounegry and Lucy Chambers /http://datajournalismhandbook.org/ Data Journalism Heist /by Paul Bradshawhttps://leanpub.com/DataJournalismHeist Gazeteciliğin Geleceği:Veri Gazeteciliği-Pınar Dağ https://docs.google.com/document/d/1ueHNSvev8C5FRf9c-wwfoTrdbTLfrRPYakpphCOj2lg/edit Finding Stories in Spreadsheets https://leanpub.com/spreadsheetstories

Theory Topics

Week	Weekly Contents
1	Basic Data Concepts
2	Data Research Techniques
3	Data Cleaning
4	Data Literacy, Metadata, Open Data
5	Effective Utilization Methods of BEH
6	Thinking Like a Data Journalist
7	What Does Good/Bad Datasets Mean?
8	Midterm exam
9	Data Analysis and Interpretation
10	Data Visualization Principles
11	Data Visualization Applications
12	R Visualization for Data Journalism
13	Storytelling with Data
14	Presentation of Group and Solo Projects