JOU447 Data Journalism – Data Analytics and Visualization

Course Title	**Data Journalism – Data Analytics and Visualization**
Course Code	**JOU447**
Course Type	Compulsory
Level	BA
Year / Semester	4/7
Teacher's Name	Dr Christos Markides

ECTS	6	Lectures / week	2	Laboratories / week	2
Course Purpose and Objectives	<td colspan="5"> - Introduce the notion of data in journalism - Think critically about the limitations of datasets and evaluate the strengths and weaknesses of data. - Assess how institutions may be collecting and using data and the implications of these processes for the public. </td>
Learning Outcomes	<td colspan="5"> - Use and manipulate datasets with ease and comfort - Show and critically assess connections and links using data and highlight various angles. - Deploy basic software and applications of various kinds to analyze and visualize data. </td>

Prerequisites		Required	

Course Content	- What is data? Data in news stories and features. - Where to find data. - Using spreadsheets and pivot tables - Make basic charts using free software (Flourish, Morph) - How to analyze data - Working with designers - Google data tools - Data in Investigative Journalism - Transform data into a story
Teaching Methodology	Lectures, tutorials , case studies, discusion
Bibliography	The data journalism handbook e- book open access https://datajournalism.com/read/handbook/one

	Houston, Brandt (2019). Data for Journalists: A Practical Guide for Computer-Assisted Reporting, 5,ed., Routledge
	Meyer, P, (2011) Precision Journalism:: A Reporter's Introduction to Social Science Methods . Lanham, MD: Rowman & Littlefield
	Reader compiled by Instructor
Assessment	**Methods**: The Students are assessed via continuous assessment throughout the duration of the Semester, which forms the Coursework grade and the Final Project. The coursework and the final project grades are weighted 50% and 50%, respectively, and compose the final grade of the course. Various approaches are used for the continuous assessment of the students, such as mid-term test, class participation and laboratory work, group project design, implementation and presentation. The assessment weight, date and time of each type of continuous assessment is being set at the beginning of the semester via the course outline. **(1) Midterm exam** examines topics that are discussed throughout the lecture. **(2) Project** concerns work in some of the themes mentioned above in the course contents. The students will have to work individually in order to produce their work and then present it to the rest of the class. **(3) Final Project** is individual and the students are assessed for their ability to link the theoretical knowledge with the practical execution. **Students are assessed on the following:** **Knowledge and understanding - 30%** In – depth knowledge and understanding towards the relevant topics of interest. **Research and Analytical Skills - 40%** Competence in research methods and ability of evaluating the results. The possibility of using them in different ways. **Presentation and Communication - 30%** Able to explain and defend the solutions given by them in a way to transmit the knowledge achieved beforehand. Assessment criteria are available in each written assignment, midterm or in the final exam. **Weights:** Midterm Exam 30% Individual assignments 20% Final Project 50%
Language	Greek