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| **COURSE DESCRIPTION AND APPLICATION INFORMATION** | | | | | | |
| **Course Name** | **Code** | **Semester** | **T+A+L** | **Course Type**  **C / O** | **Local Credits** | **ECTS** |
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| **Academic Unit** | Khas Comminication Faculty New Media |
| **Mode of Delivery** | Face to face, Distance learning etc. |
| **Prerequisites** |  |
| **Language of Instruction** | English |
| **Level of Course Unit** | Theoretical and Practical |
| **Course Coordinator** |  |
| **Course Lecturer(s)** | Pınar Dağ |
| **Course Assistant(s)** |  |
| **Course Objectives** | The data journalism course will present fundamentals of open /data collecting, gathering, cleaning, analysis, visualisation process and understanding FOIA. Data skills are getting more important to affect data driven works for media industry. In the developing Internet world; to understand and figure out how database journalism turns to data journalism; and as the future of journalism, to teach with open data disciplines how data became a strong role in transferring more efficient growing online resources, tools, and techniques. This course will also address common pitfalls in misinterpreting data. |
| **Course Contents** | What is Data Journalism — And Where Does it Come From  Definition of Messy Data, Accuracy of Data - How To Learn  The Recognition and Understanding of Data Formats  Finding Stories in Data - How Do You Do It  Cleaning and analysing Data - How to Make the Data Make Sense  Scraping Data - Using the Web as a Data Source  Introduction to Data Visualisation Tools (Open Source)  Visualising the data: what works and what doesn't  Which tools are available with which (Graphics, Charts, Map etc)  Basic Statistics and Excel Working Practices  Freedom of Information Requests  Open Data - Definition  Open Data and Ethics  Sources and Techniques - How to Find Data  Social Media Data Analysis / Learn-Digital Content Verification Techniques |
| **Learning Outcomes of the Course Unit** | Understand the history, current practice and likely impact of data journalism.  Demonstrate the skills involved in accessing, analysing and curating data from publicly available sources, data collection.  Work efficiently in teams and newsroom environments to produce data journalism packages  Demonstrate editing and production skills, online web tools, understanding technologies available to create online, interactive data-driven stories  Design basics, effective visual communication, and data visualisation  Understanding the development process for creating data stories and dealing with messy data  Freedom of Information Request and Understanding the Open Data  Learning techniques for Verification of Digital Content  Making Open Data Creation Practice  Understanding how to use Social Media Data and Analysis & Technical Development  Learning Extended Search Techniques during the solo and group projects. |
| **Planned Learning Activities and Teaching Methods** | Weekly course reading materials, use and try the tools before lecture and homework linked group, and solo projects practice and quizzes. |

**WEEKLY SUBJECTS AND RELATED PREPARATION STUDIES**

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| **Week** | **Subjects** | **Related Preparation** |
| **1** | What is Data Journalism — And Where Does it Come From  Definition of Messy Data, Accuracy of Data -How To Learn | Data Journalism Book's First Chapters & Messy Data Case Study  http://datajournalismhandbook.org/ |
| **2** | The Recognition and Understanding Data Formats | Sharing Data Formats and Examples  http://www.verigazeteciligi.com/veri-formatlari/ |
| **3** | Finding Stories in Data - How Do You Do It | Case Study and Right Tool for Useing  http://opendata-tools.org/en/ |
| **4** | Scraping Data - Using the Web as a Data Source | Online /Offline tools will download to pc before course  http://knightlab.northwestern.edu/2014/03/20/five-data-scraping-tools-for-would-be-data-journalists/ |
| **5** | Cleaning and analaysing Data - How to Make the Data Make Sense | Prepared data sets will share with students  for cleaning  https://drive.google.com/drive/my-drive |
| **6** | Introduction to Data Visualization Tools (Open Source) | Tools file will be checking before course  http://www.creativebloq.com/design-tools/data-visualization-712402 |
| **7** | Visualising the data: what works and what doesn't  Which tools available with which (Graphics, Charts, Map etc) | http://www.creativebloq.com/design-tools/data-visualization-712402 |
| **8** | Basic Statistics and Excel Working Practices | Source Book and basic statistics terms for students http://journalistsresource.org/tip-sheets/research/statistics-for-journalists |
| **9** | Freedom of Information Requests  Learn-Digital Content Verification Techniques | Officially Apply to FOI and Verification Handbook  http://opendatahandbook.org/ |
| **10** | Definication Of Open Data and Ethics | Open Data Case Studies  http://opendatahandbook.org/ |
| **11** | Sources and Techniques - How to Find Data  Social Media Data Analysis | Helpful tools /sources for to analysis social media data  http://venturebeat.com/2013/12/20/top-10-social-media-analytics-tools-the-venturebeat-index/ |
| **12** | Group Project | Group project work in the classroom |
| **13** | Solo Project | Solo project work in the classroom |
| **14** | Solo Project | Solo project work in the classroom |
| **15** | Final Exam | -- |
| **16** | Final Exam | -- |

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| **Recomended or Required Reading** | -Data Journalism HandBook /Edited by Jonathan Gray,Lilliona Bounegry and Lucy Chambers ,  2012  -Getting Started with Data Journalism /Writing data stories in any size newsroom by Claire  Miller ,2013  -Data Journalism Heist /by Paul Bradshaw ,2013 |
| **Other Course Resources** | 1. Course reader  2. Lecture notes  3.Guest teachers/journalists  4.Translations : www.verigazeteciligi.com  5.Data Journalism Social Media hashtags #ddj #ddjedu #datajournalism #datadriven 6.Data Journalism Platforms |

**THE RELATIONSHIP BETWEEN COURSE LEARNING OUTCOMES (LO) AND PROGRAM QUALIFICATIONS (PQ)**

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|  | **PQ1** | **PQ2** | **PQ3** | **PQ4** | **PQ5** | **PQ6** | **PQ7** | **PQ8** | **PQ9** | **….** |  |  |  |  |
| **LO1** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **LO2** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **LO3** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **LO4** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **LO5** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **LO6** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **LO7** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **LO8** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **LO9** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

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| **3** | **High Level of Contribution** | **2** | **Average Level of Contribution** | **1** | **Low Level of Contribution** |

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| **ASSESSMENT METHODS AND CRITERIA** | | | **ECTS / WORKLOAD** | | | |
| **Semester Requirements** | **Number** | **Percentage of Grade (%)** | **Activities** | **Number** | **Duration (hours)** | **Total Workload** |
| **Attendance / Participation** |  | **20%** | **Course Hours (Including Exam Week)** |  |  |  |
| **Laboratory** |  |  | **Laboratory** |  |  |  |
| **Practice / Exercise** |  | **10%** | **Practice / Exercise** |  |  |  |
| **Field Work** |  |  | **Field Work** |  |  |  |
| **Project** |  | **20%** | **Project** |  |  |  |
| **Homework Assignments** |  | **15%** | **Homework Assignments** |  |  |  |
| **Presentation / Jury** |  |  | **Preparation for Presentation / Jury** |  |  |  |
| **Course Specific Internship** |  |  | **Course Specific Internship** |  |  |  |
| **Other Practices (Seminar, Studio Crits, Workshop, etc.)** |  |  | **Other Practices (Seminar, Studio Crits, Workshop, etc.)** |  |  |  |
| **Extra-Class Activities (Reading, Individual Work, etc.)** |  | **15%** | **Extra-Class Activities (Reading, Individual Work, etc.)** |  |  |  |
| **Mid-Terms / Oral Exams / Quizes** |  |  | **Mid-Terms / Oral Exams / Quizes(Exam Hours and Preparation)** |  |  |  |
| **Final Exam** |  | **20%** | **Final Exam (Exam Hours and Preparation)** |  |  |  |
| **TOTAL** |  | **%100** | **TOTAL WORKLOAD** |  |  | **Hours**  **ECTS** |
| **1 ECTS = 25 hours workload** | | | | | | |