

Academic Year: ( 2023 / 2024 )

Review date: 27-04-2023

Department assigned to the subject: Library and Information Sciences Department

Coordinating teacher: SERRANO LOPEZ, ANTONIO ELEAZAR

Type: Electives ECTS Credits : 6.0

Year : Semester :

## OBJECTIVES

1. Critical ability to analyse and select the most accurate source to solve information needs in any context.
2. Skill to manage technologies for managing information.
3. To know the basic work in media and communication libraries
4. Ability to search, select, retrieve, organise and process any document or information source (text, audio, image, video...) useful to create media content at any format or medium.
5. To understand basic countable data and statistics, for managing them properly and offering them to a main audience.
6. Ability to use media and communicative technologies and techniques, at any support, format and channel, including multimedia

## DESCRIPTION OF CONTENTS: PROGRAMME

This course emphasizes the importance of digital information sources on the Internet, as a tool for the construction of journalistic and audiovisual speech aimed at the truth and explanation of the news and other informational messages. We intend to show why the information should be documented and what is, what are the main tasks of a documentation center within a journalistic medium, where they can be major sources of information and how to access them, how to reuse information already recorded for journalistic purposes, producing new information and, finally, how to organize personal information by journalists.

A more in-depth list of the main covered areas includes the following subjects:

Lesson 0: Basic concepts about information and communication technologies

Lesson 1: Basic concepts of digital information

Lesson 2: Information sources for journalists

Lesson 3: Information analysis: Quantitative data, graphics and bad practices in the use of non-text information.

Lesson 4: Text, image, sound, multimedia: how to obtain, manage and reuse contents

Lesson 5: Tools for Data journalism: how to understand, combine, describe and represent big datasets

## LEARNING ACTIVITIES AND METHODOLOGY

Acquisition of knowledge (2 ECTS), through lectures, teaching materials prepared by the teacher, online tutorials, readings, and personal study of the students.

It relates with competences 1, 2, 3.

Acquisition of skills and abilities (4 ECTS) to search, locate, edit and reuse all types of digital content in different media, presented within all formats.

It relates with competences 4, 5, 6.

## ASSESSMENT SYSTEM

The final mark will be the sum of the continuous evaluation based on different activities realised during the course.

Continuous assessment activities will be weighted according to the attendance and participation of each student.

<b>% end-of-term-examination:</b>	0
<b>% of continuous assessment (assignments, laboratory, practicals...):</b>	100

#### BASIC BIBLIOGRAPHY

- BRADSHAW, Paul Scraping for journalists, Leanpub, 2012
- CRUCIANELLI, Sandra Herramientas digitales para periodistas, Centro Knight for journalism in the Americas, 2013. <https://knightcenter.utexas.edu/books/HDPP.pdf>
- Fernando Irigaray, Dardo Ceballos y Matías Manna (eds.) Webperiodismo en un ecosistema líquido, Laborde Libros Editor, 2013. [http://www.cim.unr.edu.ar/archivos/libro\\_webperiodismo\\_en\\_un\\_ecosistema\\_l%C3%83%C2%ADquido.pdf](http://www.cim.unr.edu.ar/archivos/libro_webperiodismo_en_un_ecosistema_l%C3%83%C2%ADquido.pdf)
- GRAY, Jonathan; BOUNEGRU, Liliana; CHAMBERS, Lucy Manual de Periodismo de Datos, European Journalism Centre, Open Knowledge Foundation, 2013. <http://interactivos.lanacion.com.ar/manual-data/index.html>

#### ADDITIONAL BIBLIOGRAPHY

- Gray, J., Chambers, L., & Bounegru, L. The data journalism handbook: How journalists can use data to improve the news., O'Reilly Media, 2012
- Kawamoto, K. Digital journalism: Emerging media and the changing horizons of journalism, Rowman & Littlefield Publishers, 2003

#### BASIC ELECTRONIC RESOURCES

- European Journalism Centre . Data Driven Journalism: <http://datadrivenjournalism.net/>
- Fundación Civio . Escuela de datos Civio: <http://escuela.civio.es/>
- Open Education Database . Research Beyond Google: 119 Authoritative, Invisible, and Comprehensive Resources: <http://oedb.org/library/college-basics/research-beyond-google/>
- Sharon Machlis . Data visualization on a shoestring: <http://www.computerworld.com/slideshow/detail/91596/Data-visualization-on-a-shoestring>
- The Guardian . The Guardian Data Blog: <http://www.guardian.co.uk/news/datablog>