# Accessibility of digital content

**Academic Year: ( 2023 / 2024 )** **Review date: 01-06-2023**

**Department assigned to the subject: Library and Information Sciences Department**

**Coordinating teacher: PERIANES RODRIGUEZ, ANTONIO**

**Type: Compulsory ECTS Credits : 6.0**

**Year : 3 Semester : 2**

## REQUIREMENTS (SUBJECTS THAT ARE ASSUMED TO BE KNOWN)

- Information architecture (1º).
- Multimedia content (1º).
- Digital Information: legal and ethic aspects (2º).
- Computing technologies for the Web (3º).

## OBJECTIVES

This subject it is based on the importance of the information systems accesibility and the need of include accesibility and usability principles on all stages of the design and development of these systems and the digital documents contained there.

## DESCRIPTION OF CONTENTS: PROGRAMME

PART 1. DIGITAL CONTENT ARCHITECTURE.

Lesson 1. Information architecture.
Lesson 2. Accesible design.
Lesson 3. User-centered design.
Lesson 4. Design and evaluation of interfaces.
Lesson 5. Analysis of users and tasks.
Lesson 6. Interaction design.

PART 2. DIGITAL CONTENT CREATION.

Lesson 7. Universal usability.
Lesson 8. Usability tests.
Lesson 9. Content organisation.
Lesson 10. Metadata.
Lesson 11. Readability and legibility.

PART 3. LEGAL AND FUNCTIONAL ACCESSIBILITY.

Lesson 12. Legal aspects of accessibility.
Lesson 13. Open Access and Open Science.
Lesson 14. User manuals.
Lesson 15. Information search.

## LEARNING ACTIVITIES AND METHODOLOGY

Theoretical-practical classes:
Acquisition of theoretical and practical knowledge through theoretical and practical lessons, teaching materials, online tutorials, specific readings and comments on the readings (related to competences CE4, CE7, and CE9).

Individual or group work of the student:
Acquisition of skills and abilities through practical assignments aimed at the design and development of research works including persuasive discussions and conclusions of results (related to competences CB4 and CG1).

## ASSESSMENT SYSTEM

Assignment 1. User interface evaluation.
Assignment 2. Credibility, reliability and information usefulness.
Assignment 3. Eye tracking usability tests.
Assignment 4. Content accessibility.
Assignment 5. Accessibility and analytics using open data.
Assignment 6. Metadata standards.
Assignment 7. Corporate identity.

The number of assignments can vary depending on the annual schedule or specific teaching demands.
The student have to obtain a minimum of 50% in each part (theory and continuous assessment) individually to pass the subject.

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| **% end-of-term-examination:** | 50 |
| **% of continuous assessment (assigments, laboratory, practicals…):** | 50 |

## BASIC BIBLIOGRAPHY


- FERNANDEZ-COCA, Antonio Producción y diseño gráfico para la World Wide Web, Barcelona: Paidos, 2006.

- KEATES, Simeon Designing for accessibility: a business guide to countering design exclusion, New Jersey: Lawrence Earlbaum Associates, 2007.

- KRUG, Steve No me hagas pensar, Madrid: Prentice Hall, 2001.

- LARA, Pablo La accesibilidad de los contenidos Web, Barcelona: UOC, 2006.

- LAZAR, Jonathan Web usability: a user-centered design approach, Boston: Addison Wesley, 2006

- LYNCH, Patrick J; HORTON, Sarah Manual de estilo web: Principios de diseño básicos para la creación de sitios web, Barcelona: Gustavo Gili, 2004.

- MORENO MUÑOZ, Antonio Diseño ergonómico de aplicaciones hipermedia, Barcelona: Paidos, 2000.

- NIELSEN, Jakob Usabilidad: prioridad en el diseño Web, Madrid: Anaya Multimedia, 2006.

- NORMAN, Donald Psicología de los objetos cotidianos, Barcelona: Norma, 1999.

- PRING, Roger www.color tipografía: 300 diseños tipográficos para sitios web, Barcelona: Gustavo Gili, 2000.

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- ROSENFELD Louis; MORVILLE, Peter Arquitecturas de la información para el World Wide Web, México: McGrawHill, 2001.

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- W3C Guía breve de accesibilidad Web, [Gijón]: World Wide Web Consortium, [2016].