

Academic Year: ( 2018 / 2019 )

Review date: 02-05-2018

Department assigned to the subject: Library and Information Sciences Department

Coordinating teacher: SERRANO LOPEZ, ANTONIO ELEAZAR

Type: Compulsory ECTS Credits : 6.0

Year : 3 Semester : 2

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

Digital Information: Legal and ethic aspects

**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. Among the main competencies stand out:

CB4: Students can communicate information, ideas, problems and solves to both, espezialized and general public.

CG1: To know and to apply basic principles and techniques so as to information management on digital media.

CE4: To know methods of retrieval, process, debug and aggregate data, understanding the needs of users and organizations and the way they need them.

CE7: To know and to manage digital edition tools for content creating.

CE9: To know principles, techniques and tools of user-centered design for digital products, including multimedia contents and be able of apply techniques for usability evaluation of environments and digital products.

CE12: To know principles of design and planning of an interactive complex digital publication and fully operable.

**DESCRIPTION OF CONTENTS: PROGRAMME**

Justification of universal design and information accessibility needs

Fundamental concepts about universal information design

WAI initiative and web consortium guidelines

Tools for accessibility web validation

Methods for developing accessible web project

National and international regulation and standards

**LEARNING ACTIVITIES AND METHODOLOGY**

Theoretical-practical and practical classes:

Acquisition of theoretical and practical knowledge (4 ECTS) through the theoretical and practical classes, teaching materials prepared by the teacher, online tutorials, specialized readings and comments on the readings, as well as the personal study of the students. It is related to the CE4, CE7, CE9 and CE12 competitions.

Individual or group work of the student

Acquisition of skills and abilities (2 ECTS) through practices in which the acquired knowledge will be applied for the design, development, obtaining of results, discussion and extraction of conclusions in a research work. It is related to the CB4 and CG1 competences.

**ASSESSMENT SYSTEM**

The evaluation system takes into account the personalized follow-up that has been made of the student, in the practical classes, seminars and tutorials; the evaluation of the internship work, and the performance of a written academic exam or test.

The final exam contributes 50% of the final grade.

The practical activity, practical exercises and the comments of the readings in class, contribute 50% to the final grade.

The qualification of the continuous evaluation will only be considered when the final exam is passed.

<b>% end-of-term-examination:</b>	50
<b>% of continuous assessment (assignments, laboratory, practicals...):</b>	50

#### BASIC BIBLIOGRAPHY

- Alonso, F. Algo más que suprimir barreras: conceptos y argumentos para una accesibilidad universal, 2017, Trans. Revista de traductología, (11), 15-30
- Keates S. Designing for accesibility: a business guide to countering design exclusion, Lawrence Earlbaum Associates, 2007
- Lara, P. La accesibilidad de los contenidos Web, UOC, 2006
- Lazar, J. Web usability: a user-centered design approach, Addison Wesley, 2006
- López Zambrano, Javier Hernán and Moreira Pico, Ramón Joffre and Alava Cagua, Nathaly Valeria Metodología para valorar y clasificar herramientas de evaluación de accesibilidad web, e-Ciencias de la Información, 8(1), 2018
- Nielsen, J. Usabilidad: prioridad en el diseño Web, Anaya, 2006
- Rosenfeld L, Morville P. Arquitecturas de la información para el World Wide Web, McGrawHill, 2001
- Sachs T. Sitios web orientados al usuario, Pearson Education, 2002
- W3C Guía breve de accesibilidad Web, World Wide Web Consortium, 2016

#### ADDITIONAL BIBLIOGRAPHY

- Guenaga, M. L., Barbier, A., & Eguiluz, A. La accesibilidad y las tecnologías en la información y la comunicación, TRANS. Revista de traductología, (11), 155-169., 2017
- Lazar, J. Universal usability: designing computer interfaces for diverse user populations, John Wiley & Sons, 2007
- Marino, S. I., Alfonzo, P., Escalante, J. E., Alderete, R., & Godoy, M. V. Las pautas WCAG 2.0 para determinar el nivel de accesibilidad en dos plataformas educativas/WCAG 2.0 Guidelines to Determine the Accessibility Level of Two Educational Platforms, Revista Internacional de Tecnologías en la Educación, 2(2), 2016
- Mariño, S. I., Godoy Guglielmone, M. V., & Alfonzo, P. L. Métodos y herramientas de las WCAG 2.0 en el desarrollo web, XVII Workshop de Investigadores en Ciencias de la Computación, 2015
- Wentz, B., Jaeger, P. T., & Bertot, J. C. Accessibility for Persons with Disabilities and the Inclusive Future of Libraries, Advances in Librarianship. Volume 40. , 2015

#### BASIC ELECTRONIC RESOURCES

- Carreras, O. . Usable y Accesible: <https://olgacarreras.blogspot.com.es/>