

SUBJECT TEACHING GUIDE

M1830 - Techniques for Image Treatment and Use

Master's Degree in Historical and Territorial Heritage

Academic year 2020-2021

1. IDENTIFYING DATA			
Degree	Master's Degree in Historical and Territorial Heritage	Type and Year	Optional. Year 1
Faculty	Faculty of Humanities		
Discipline			
Course unit title and code	M1830 - Techniques for Image Treatment and Use		
Number of ECTS credits allocated	3	Term	Semester based (1)
Web	http://aulavirtual.unican.es/		
Language of instruction	Spanish	English Friendly	No
		Mode of delivery	Face-to-face

Department	DPTO. HISTORIA MODERNA Y CONTEMPORANEA
Name of lecturer	AURELIO ANGEL BARRON GARCIA
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Other lecturers	

3.1 LEARNING OUTCOMES

- Study, treatment, cataloging and manipulating images and making graphical database and performing digital presentations. The knowledge and use of digital imaging as a basic component in the integration of content that enable hypermedia systems.
It aims to train in the use of new technology (digital imaging and digital photography) and to enable the possibilities.

4. OBJECTIVES

This course aims to train in computer technology that allows the creation and manipulation of images through digital media and with them, the visual communication. The possibilities of integrating multiple contents of hypermedia systems are used. Special attention to the multiple types of images that you can use the possibilities it opens dedicated scanning. Its structure comprises, first, a series of theoretical foundations on digital imaging and photography, and the cultural and historical implications that this new form of presentation of information involved. Virtual Media and other common carriers today are presented. The subject has, next to the theoretical content, practical dimension in which digital technologies and treatment are taught, existing typologies to develop, store, sort or distribute information along with their most common formats, and processing methods hypermedia content from a conceptual and technical aspects, using presentation applications, classification, visualization and image processing. It is integrated graphics and visual information in learning and research and learn to expose the knowledge through these means, increasingly unavoidable in the current and future society.

6. COURSE ORGANIZATION

CONTENTS	
1	The digital image today. Possibilities, handling and prevention.
2	Digital photography. Advantages and disadvantages of digital photography. Digital cameras. Aperture, exposure and depth of field. Digital formats. Capture. Image management programs. Viewers
3	Digital image processing. Drawing maps and vector drawing -bitmap- bits. Adobe Photoshop and image processing with viewers (ACDSee). Panorama shooting.
4	Digital presentations. Organizing images. Image storage. Presentations and basic manipulations of images with ACDSee. Graphical database. EXIF and IPTC metadata.

7. ASSESSMENT METHODS AND CRITERIA

Description	Type	Final Eval.	Reassessn	%
Final personnel paper	Work	No	Yes	70,00
attendance and participation	Others	No	Yes	30,00
TOTAL				100,00
Observations				
Class attendance and participation may be replaced by a written exam. According to the regulations of the University of Cantabria, evaluation those works that are detected evidence of plagiarism they will not be considered for correction and entail its qualification as 'suspense: 0'. It will be considered plagiarism literal reproduction of information obtained from other authors without prompting with the corresponding references, citations and quotation marks.				
Observations for part-time students				
Attention and evaluation of part-time students enrolled in the Bachelor is made according to the provisions of the UC regulations for such cases.				

8. BIBLIOGRAPHY AND TEACHING MATERIALS

BASIC

El material básico se ofrece en la página web de la asignatura y se puede completar con el apartado Ayuda de los programas empleados.

La bibliografía siguiente es orientativa:

BULOW, Heinz von: Curso básico de fotografía digital. Susaeta Ediciones, 2003.

CAPLIN, Steve: Photoshop. Retoque y montaje. Anaya Multimedia, 2003.

DALY, Tim: Manual de fotografía digital. Taschen Benedikt, 2000.

DAVIES, Adrian: Guía básica de fotografía digital. Ediciones Omega, 2003.

RODRÍGUEZ, Hugo: Guía completa de la imagen digital. Marcombo, 2020.