

SUBJECT TEACHING GUIDE

886 - Development and Implementation of ICT Solutions

Master's Degree in Business and Information Technologies

Academic year 2023-2024

1. IDENTIFYING DATA					
Degree	Master's Degree in Business and Information Technologies			Type and Year	Compulsory. Year 1
Faculty	Faculty of Economics and Business Studies				
Discipline	Obligatory Subjects				
Course unit title and code	886 - Development and Implementation of ICT Solutions				
Number of ECTS credits allocated	3	Term		Semester based (1)	
Web					
Language of instruction	Spanish	English Friendly	No	Mode of delivery	Face-to-face

Department	DPTO. MATEMATICA APLICADA Y CIENCIAS DE LA COMPUTACION				
Name of lecturer	ANGEL COBO ORTEGA				
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Other lecturers					

3.1 LEARNING OUTCOMES
- Program simple Web applications with database connectivity
- Use open source solutions for corporate Web applications
- Recognize the most outstanding characteristics of different programming technologies on the Internet.

4. OBJECTIVES
The course aims to introduce the basic principles of Web application development , analyzing the different technological solutions that can be used and their main features.

6. COURSE ORGANIZATION

CONTENTS	
1	Overview of computer programming and data management: Python programming language
2	Web design: HTML and CSS
3	Client-side and server-side programming in Web applications
4	Applications with connectivity and data access

7. ASSESSMENT METHODS AND CRITERIA

Description	Type	Final Eval.	Reassessn	%
Practical programming exercises	Laboratory evaluation	No	Yes	65,00
Final exam of basic concepts	Written exam	No	Yes	35,00
TOTAL				100,00
Observations				
None				
Observations for part-time students				
Part-time students can ask for specific assessment methods				

8. BIBLIOGRAPHY AND TEACHING MATERIALS

BASIC
A. Cobo, P. Gómez, D. Pérez y R. Rocha "005). PHP y MySQL : tecnologías para el desarrollo de aplicaciones web. Editorial Díaz de Santos
Luke Welling, Laura Thomson (2005). Desarrollo web con PHP y MySQL. Anaya Multimedia
Judy M. Bishop (1999). Java : fundamentos de programación. Addison Wesley, D.L. 1999.
J. Bradenbaugh (2000). Aplicaciones JavaScript. Anaya Multimedia