SUBJECT TEACHING GUIDE

G1475 - Web Engineering

Degree in Telecommunication Technologies Engineering

Academic year 2017-2018

1. IDENTIFYING DATA					
Degree	Degree in Telecommunication Technologies Engineering			Type and Year	Optional. Year 3
Faculty	School of Industrial Engineering and Telecommunications				
Discipline	Subject Area: Optional Subjects				
Course unit title and code	G1475 - Web Engineering				
Number of ECTS credits allocated	6	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	JOSE LUIS CRESPO FIDALGO
E-mail	luis.crespo@unican.es
Office	E.T.S. de Ingenieros Industriales y de Telecomunicación. Planta: - 5. DESPACHO (S5022)
Other lecturers	PEDRO CORCUERA MIRO QUESADA

3.1 LEARNING OUTCOMES

- Given functional specifications, ability to implement a web site, using accesibility and usability criteria, including mobile devices access and multimedia contents

4. OBJECTIVES

Understinding of client-server architecture, including mobile devices as clients. Understanding of security concerns in Internet server contexts.
PHP programming for dynamic sites and server side information management.
HTML including texts, images and multimedia. CSS. Usability and accesibility.
Client side Javascript programming for dynamic web pages

6. COURSE ORGANIZATION

CONTENTS	
1	Client side web programming. HTML, CSS, JavaScript, DOM, AJAX, JSON, JavaScript libraries and frameworks.
2	Server side web programming

7. ASSESSMENT METHODS AND CRITERIA

Description	Type	Final Eval.	Reassessn	%
Server side programming for web site building	Laboratory evaluation	No	Yes	66,67
Client-side web programing	Work	No	No	33,33
TOTAL				100,00

Observations
Observations for part-time students
Both part evaluations have not fixed date, other than limited to the exam period

8. BIBLIOGRAPHY AND TEACHING MATERIALS

BASIC

Autores: M. Achour, F. Betz, A. Dovgal, N. Lopes, H. Magnusson, G. Richter, D. Seguy, J. Vrana et al.
Título: PHP Manual
Edición: Electrónica (21-4-16), accesible en php.net/manual/es

Autor: M. Stepp, J. Miller, V. Kirst
Título: Web Programming Step by Step
Editorial: Lulu
IND Monografías C61 31