

Program	09TT- Engineering in Telecommunication Technologies and Services
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Course number and name	
Number	95000053
Name	Web Engineering Ingeniería Web
Semester	Y4-S7

Credits and contact hours	
ECTS Credits	6
Contact hours	60

Coordinator's name	Santiago Pavón Gómez
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Specific course information		
Description of course content		
Design and develop Web applications and services. Extends the content of Foundations of Telematic Systems, Analysis and Design of Software, and Internet Computing; focusing on the development of mobile Web applications.		
List of topics to be covered		
Development of apps for iOS terminals. Development of apps for Firefox OS terminal. Development of multiplatform apps with PhoneGap.		
Prerequisites or co-requisites		
Foundations of Telematic Systems, Computer Programming, Analysis and Design of Software, and Internet Computing		
Course category in the program		
<input type="checkbox"/> R (required)	<input type="checkbox"/> E (elective)	<input checked="" type="checkbox"/> SE (selective elective)

Specific goals for the course	
Specific outcomes of instruction	
RA126 - Know and understand the development of web applications for mobile devices using their native infrastructure.	
RA127 - Know and understand the development of web applications for mobile devices and desktop using Web technologies.	
RA128 - Know and understand the development of web applications for mobile terminals combining native infrastructure and web technologies.	

Student outcomes addressed by the course
CE-TL4, CE-TL6, CE-TL7, CG12, CG2, CG5, CG6, CG9

Bibliography and supplemental materials
Course Web site: http://moodle.lab.dit.upm.es Course material: http://www.dit.upm.es/santiago/docencia/ios/ios.html Apple Developer Program: https://developer.apple.com Web sites: Mozilla, PhoneGap, ... Multiple Online Books: http://proquest.safaribooksonline.com , ...

Teaching methodology			
<input type="checkbox"/> lectures	<input type="checkbox"/> problem solving sessions	<input type="checkbox"/> collaborative actions	<input type="checkbox"/> laboratory sessions
Other:			