Universida_{de}Vigo

Subject Guide 2018 / 2019

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IDENTIFY							
	puterised services						
Subject	New computerised						
Code	services V05G300V01945						
Study	Degree in						
	e Telecommunications						
programm	Technologies						
	Engineering						
Descriptor	s ECTS Credits		Choose	Year		Quadme	ester
	6		Optional	4th		1st	
Teaching	Spanish						
language							
	ntTelematics Engineering						
	or Álvarez Sabucedo, Luis Modesto						
Lecturers	Álvarez Sabucedo, Luis Modesto						
i	Santos Gago, Juan Manuel						
E-mail Web	lsabucedo@det.uvigo.es http://faitic.uvigo.es						
General	The global aim of the course is to pr	rovide the students	with a global out	tlook of the ne	w toch	nologios ir	the area
	of the telematic services. Therefore,						
ucsenption	evolution in the most active fields of						ological
	The subject will be taught in Spanish			in English.			
Compete	ncies						
Code							
B4 CG4:	The ability to solve problems with init	iative, to make cre	ative decisions a	nd to commur	nicate a	nd transm	it
know	ledge and skills, understanding the et	hical and professio	nal responsibility	of the Techni	cal Tele	communi	cation
	eer activity.						
	The ability to work in multidisciplinary					icate, in w	riting and
	, knowledge, procedures, results and			ons and Elect	ronics.		
	O/OP32) The ability to design and cons						
	incourage cooperative work, and skills						
	nultilingual and multidisciplinary work mental rights.	environment, whic	n promotes educ	ation for equa	ality, pe	ace and re	espect for
	inental rights.						
	_						
	outcomes						
Expected I	esults from this subject				Ira	ining and	
To identify	new applications of telematic service					Result C89	.s D4
	of the main tools and environments		t of now tolomat		<u>B4</u>	689	U4
KIIOWIEUge				ics services.	Б4 В9		
To acquire	skills to develop new telematic service	`PC				C89	
	skins to develop new telematic servic						
C							
Contents							
Topic Basic and	support technologies	Somentic techno	logies				
Dasic alla	support technologies	Semantic techno Information retrie					
		REST services	- v ai				
Horizontal	services	IoT					
		Cloud Computing	1				
		Big Data	,				
		Blockchain					
-							

eLearning eGovernment eCommerce Methods of Payment on the web. Cryptocurrencies.

Planning

	Class hours	Hours outside the classroom	Total hours	
Lecturing	16	40	56	
Laboratory practices	14	28	42	
Case studies	5	25	30	
Introductory activities	3	6	9	
Essay	1	3	4	
Essay	1	4	5	
Essay questions exam	2	2	4	

*The information in the planning table is for guidance only and does not take into account the heterogeneity of the students.

Mathedalagias			
Methodologies	Description		
Lecturing	Theoretical contents and their practical application will be presented during the lectures. Student are expected to play an active role during lectures. This methodology will impact in all the competences addressed in the subject.		
Laboratory practices			
	During practical sessions, it will be developed a semantic project with the support of adhoc software tools.		
	This methodology will impact in all the competences addressed in the subject.		
Case studies	Use cases will presented to the students. Thus, they will be able to analyze and to study them in		
	depth in order to prepeare their academic projects.		
	This methodology will impact in all the competences addressed in the subject.		
Introductory activities	Program of the subject will be presented along with the methodologies used, the classroom,		
	practical contents, final project, final and continuous evaluation criteria, and, in general, all aspects		
	of the subject.		
	This methodology will impact in all the competences addressed in the subject.		

Personalized attention				
Methodologies	Description			
Lecturing	During these sessions, any questions that may arise will be addresseed. Also during the tutoring sesions, questions that may arise will be resolved.			
Laboratory practices	In the practical sessions, a closer attention will be paid to the tasks assigned to the students. Also, any questions that may arise will be addressed. Also during the tutoring sesions, questions that may arise will be resolved.			
Case studies	In these sessions, any questions that may arise will be addressed. Also during the tutoring sesions, questions that may arise will be resolved.			
Tests	Description			
Essay	In these sessions, any questions that may arise will be addressed. Also during the tutoring sesions, questions that may arise will be resolved.			
Essay In these sessions, any questions that may arise will be addressed. Also during the tu questions that may arise will be resolved.				
Essay questions exam	In these sessions, any questions that may arise will be addressed.			

	Description		Training and		
				Learning Results	
Essay	It will consist of the presentation of two practical-projects using the	25	B4	C89	
	concepts presented in the subject.		B9		
	It will take place during the development of the course. Marks of each work will be the same for all the members in the group.				
Essay	It will consist of the presentation of a project that carries out a telematic-	25	B4	C89	
	based solution.		B9		
	It will take place at the end of the course.				
	Marks of each work will be the same for all the members in the group.				

It will take place at the end of the course

C89

50

Other comments on the Evaluation

1. Continuous assessment

The subject will be taught in Spanish and the contents will be available in English.

The course can be passed with full marks from continuous assessment, with no need to sit the final exam.

Students who sit any of the assessment tests may not be listed as "Not Present".

The weighting and content of each continuous assessment test are as follows:

Assessment 1 (50%):

- All contents presented along the course.
- · It will take place at the end of the course.

Assessment 2 (25%):

· It will consist of the presentation of a practical-projects (specified in due course).

Assessment 3 (25%):

- · It will consist of a presentation of a holistic project involving telematic based services
- At the end of the course.

It is mandatory to pass each part of the continuous assessment (that is, the minimum score of each part must be 5 out of 10). In case of not passing any part of the continuous evaluation, the remaining grades will be adjusted by a factor of 0.5.

All students presenting a project will get the same marks.

The course may be passed only with continuous assessment.

2. Single assessment

 \cdot There is a final exam at the end of the semester and another at the end of the course. All content presented along the course is included in this exam.

• Students sitting this final exam will be asked to submit in advance some works to be done according to specific instructions on each call. These works must be original and will involve task related to assessments 2 and 3. Should the work not be original, the student will be banned from the subject. The pass mark for this test is 5 out of 10. It is mandatory to pass the project presentation also.

Sources of information

Basic Bibliography

Professors of the subject, Slides for classes, http://faitic.uvigo.es,

Complementary Bibliography

R. Baeza-Yates y B. Ribeiro-Neto., **R. Baeza-Yates y B. Ribeiro-Neto.** """"**Modern Information Retrieval**"""", R. Baeza-Yates y B. Ribeiro-Neto. """"Modern Information Retrieval"""". Addison Wesley.,

Gómez-Pérez, A.; Fernández-López, M.; Corcho, O, Ontological Engineering, Springer-Verlag,

Arasu, A., Cho, J., García-Molina, H., Paepcke, A., y Raghavan, S., **Searching the web**, ACM Transactions on Internet Technology, Vol. 1, N,

S. Chakrabarti, B. Dom, D. Gibson, J. Kleinberg, P. Raghavan, and S. Rajagopalan., **Automatic resource compilation by analyzing hyperlink structure and associated text.**, In Proceedings of the 7th World-wide web conferenc,

S. Brin y L. Page, **The anatomy of a large-scale hypertextual Web search engine.**, 7th International World Wide Web Conference, Brisb,

Lassila, O., y Swick, R.R., **Resource Description Framework (RDF) Model and Syntax Specification**, World Wide Web Consortium Recommendation. Accesib,

Deborah L. McGuinness, Ontologies Come of Age, http://www.ksl.stanford.edu/people/dlm/papers/onto,

Grigoris Antoniou and Frank van Harmelen, **Web Ontology Language: OWL**, http://www.cs.vu.nl/~frankh/postscript/OntoHandboo, **Resource Description Framework (RDF) Model and Syntax Specification**, http://w3c.org/RDF,

DCMI Home, http://dublincore.org, IEEE Learning Technology Standards Committee (LTSC), http://ltsc.ieee.org/wg12. Standard accesible en,

W3C Semantic Web Activity, http://www.w3.org/2001/sw/,

Recommendations