Universida_{de}Vigo

Subject Guide 2015 / 2016

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IDENTIFYIN				
	: Internships I			
Subject	Externships:			
	Internships I			
Code	V05G300V01981			
Study	(*)Grao en			
programme	Enxeñaría de			
	Tecnoloxías de Telecomunicación			
Descriptors	ECTS Credits	Chaosa	Year	Quadmastar
Descriptors		Choose	4th	Quadmester
Tooching	6 Chanich	Optional	401	lst
Teaching	Spanish			
language Department				
Coordinator	Marcos Acevedo, Jorge			
Lecturers	Marcos Acevedo, Jorge			
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Web	http://faitic.uvigo.es			
General	(*)Estancia nunha empresa desenvolvendo funciór	os propias dun/a Env	eñeiro/a Técnico/	a de Telecomunicación
description	relacionadas co perfil profesional cursado polo alu	mno (Sistemas de Ti	elecomunicación	Telemática Sistemas
uescription	Electrónicos ou Son e Imaxe) e supervisado por pre			
C				
Competenc	les			
Code	and the second second because with the second state of the second s			ha and has a set 1
	e ability to solve problems with initiative, to make			
	lge and skills, understanding the ethical and profes er activity.	sional responsibility	of the rechnical	relecommunication
	e knowledge to perform measurements, calculation	ne accoccmonte an	nraisals technica	Levaluations studies
	task scheduling and similar work to each specific t			i evaluations, studies,
	ne development of discussion ability about technica			
	ne ability to use software tools that support probler		rina	
	1 The ability to construct, exploit and manage tele			rocess and applications
	red as systems of receiving, transporting, represen			
	edia information from the point of view of transmiss		toruge, munugen	nent and presentation of
	T2 The ability of applying the basic techniques of te		tworks services	and applications for
	and fixed environments, personal, local or long dist			
	isting, TV and data, from the point of view of transr			
	T3 The ability to analyze the components and their		ided and non-qui	ded communications
system		-p		
	4 The ability to select circuits, subsystems and sys	tems of radiofreque	ncv. microwaves.	broadcasting, radio link
	io determination.		- j ,,	3,
	[5 The ability to select transmission antennas, equi	pment and systems	, propagation of g	uided and non-guided
	with electromagnetic, radiofrequency and optical m			
	ement and frequency designation.		. 2	
C26 CE26/S	6 The ability to analyze, codify, process and transr	nit multimedia infor	mation using anal	logical and digital signal
	ing techniques.		-	
C27 CE27/T	EL1The ability to construct, operate and manage te	lecommunication ne	tworks, services,	processes and
applica	ions considered as systems to receive, transport, r	epresent, process, s	tore, manage and	present multimedia
	tion from the computer services point of view.			
C28 CE28/T	EL2 The ability to apply the techniques that are bas	is of computer netw	orks, services and	d applications, such as
	ement, signaling and switching, routing and securin			
	g mechanisms, authentication and content protecti			
	ic) rating, reliability and quality of service in both f	ixed, mobile, person	al, local or long d	istance environments
	ferent bandwidths, including telephony and data.			· · · · ·
C29 CE29/T	EL3 The ability to build, operate and manage compu	uter services using p	olanning, sizing ar	nd analytical tools

- C30 CE30/TEL4 The ability to describe, program, assess and optimize communication protocols and interfaces at different network architecture layers .
- C31 CE31/TEL5 The ability to follow the technological progress of transmission, switching and processing to improve computer networks and services.
- C32 CE32/TEL6 The ability to design networks and service architectures.
- C33 CE33/TEL7 The ability to program network and distributed applications and services.
- C34 CE34/SI1The ability to construct, exploit and manage telecommunication services and applications, such as receiving, digital and analogical treatment, codification, transporting and representation, processing, storage, reproduction, management and presentation of audiovisual and multimedia information services.
- C35 CE35/SI2 The ability to analyze, specify, carry out and maintain systems, equipments, heads and installations of TV, audio and video for mobile and fixed environments.
- C36 CE36/SI3 The capacity to implement projects at places and installations for the production and recording of audio and video signals.
- C37 CE37/SI4 The ability to carry out acoustic engineering projects related to: acoustical isolation and conditioning of rooms, loudspeaker installations, specification, analysis and selection of electro acoustical transducers, measurement, analysis and control of radio vibration systems, environmental acoustics, submarine and acoustical systems.
- C38 CE38/SI5 The ability to create, modify, manage, broadcast and distribute multimedia contents taking into account the use and accessibility criteria to audiovisual, broadcasting and interactive services.
- C39 (CE39/SE1): The ability to construct, exploit and manage the receiving, transporting, representation, processing, storage, manage and presentation multimedia information from the electronic systems point of view.
- C40 (CE40/SE2): The ability to select electronic circuits and devices specialized in transmission, forwarding or routing, and terminals for fixed and mobile environments.
- C41 (CE41/SE3):The ability to make the specification, implementation, documenting and tuning of electronic systems and equipment (both instrumentation and control oriented), considering the corresponding technical aspects and the regulations.
- C42 (CE42/SE4): The ability to apply electronics as support technology in other fields and activities and not only in information and communication technologies.
- C43 (CE43/SE5): The ability to design analogical and digital electronics circuits of analogical to digital conversion and vice versa, of radiofrequency, of feeding and electrical energy conversion for computing and telecommunication engineering.
- C45 (CE45/SE7): The ability to design interface, data capturing and storage devices, and terminals for services and telecommunication systems.
- C46 (CE46/SE8): The ability to specify and use electronic instrumentation and measurement systems.
- C47 (CE47/SE9): The ability to analyze and solve interference and electromagnetic compatibility problems .
- D2 CT2 Understanding Engineering within a framework of sustainable development.

xpected results from this subject		Training and Learning		
		Results	;	
experience in the exert of the profession of Technical Engineer of Telecommunication and of his	B4	C21	D2	
nore usual functions (according to the programme of the student) in some real surroundings of	B5	C22		
ompany.	B12	C23		
	B13	C24		
		C25		
		C26		
		C27		
		C28		
		C29		
		C30		
		C31		
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		C38		
		C39		
		C40		
		C41		
		C42		
		C43		
		C45		
		C46		
		C47		

Contents

To define by the company advisor and the academic advisor.

Planning			
	Class hours	Hours outside the	Total hours
		classroom	
External practises	147	0	147
Reports / memories of internships or practicum	0	3	3
*The information in the planning table is for guidance only and does not take into account the heterogeneity of the students.			

Methodologies	
	Description
External practises	The student develops own functions in a company as an Telecommunication Engineer with determinate profile by the technology that the student have studied (Systems of Telecommunication, Electronic Systems, Telematic or Sound and Image)

Methodologies	Description
External practises	The student will have a advisor inside the company that will guide him and will supervise in the specific tasks that it will have to develop inside the company; and an academic advisor -professor of the University of Vigo- that will define together with the advisor of the company the general frame of the activity of the student, checking that it adjusts to the profile studied by the student.

Assessment				
	Description	Qualification		
			Learning Re	sults
External practises	It will value so much the aptitude like the attitude of the student in the development of the activities entrusted.	90	B4 C21 B5 C22 B12 C23 B13 C24 C25 C26 C27 C28 C29 C30 C31 C32 C33 C34 C35 C36 C37 C38 C39 C40 C41 C42 C43 C45 C46 C47	D2

Reports / memories of internships or practicum	The memory presented by the student will have to adjust to the indications collected in the rules of practices in valid company (University of Vigo and intern of the degree in Engineering of Technologies of Telecommunication).	10	B4 C21 B5 C22 B12 C23 B13 C24 C25 C26 C27 C28 C29 C30 C31 C32 C33 C34 C35 C36 C37 C38 C39 C40 C41 C42 C43 C45 C45 C46
			C40 C47

Other comments on the Evaluation

The tutor of the company will deliver a report valuing appearances related with the practices realised by the student:punctuality, assistance, responsibility, capacity of work in team and integration in the company, quality of the workrealised, etc.

The student/to will have to deliver an explanatory memory of the activities realised during the practices, specifying hislength, the units or departments of the company in that they realised , the training received (courses, computerprograms, etc.), the level of integration inside the company and the relations with the personnel.

The memory has to include also a section of conclusions, that will contain a reflection on the suitability of theeducations received during the career for the exert of the practice (positive and negative appearances more significantrelated with the development of the practices). It will value , besides, the inclusion of information on the professionaland personal experience obtained with the practices (personal assessment of the learning achieved along the practices, and suggestions or own contributions on the structure and operation of the company visited).

If the memory presented by the student does not reach the quality and minimum requirements, the student will have opportunity torectify it for his *re-evaluation in the extraordinary announcement of July.

Sources of information

The sources of information will be provided by the company advisor (and, where applicable, by the academic advisor) dynamically as they depend on the student activities undertaken in the company host; and may be from technical manuals for operation and maintenance of different technical equipment up even scientific or research is in the R & D departments.

Recommendations

Other comments

It recommends have studied the three first courses of the degree.