Universida_{de}Vigo

Subject Guide 2023 / 2024

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IDENTIFYIN	-			
Subject	s: Internships II Externships:			
Jubjeer	Internships II			
Code	V05G301V01982			
Study	Grado en Ingeniería			
programme	de Tecnologías de			
Description	Telecomunicación			0
Descriptors	ECTS Credits 6	Choose Optional	Year 4th	Quadmester 1st
Teaching	Spanish	Ориона	401	15t
language	Spanish			
Department				
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Lecturers	Marcos Acevedo, Jorge			
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General description	(*)Estancia nunha empresa desenvolvendo func relacionadas co perfil profesional cursado polo a Electrónicos ou Son e Imaxe) e supervisado por	alumno (Sistemas de T	elecomunicaciór	, Telemática, Sistemas
Training ar	d Learning Results			
Code				
	ne ability to solve problems with initiative, to mal	ce creative decisions a	nd to communic	ate and transmit
	dge and skills, understanding the ethical and pro			
Engine	er activity.			
	ne knowledge to perform measurements, calculat			al evaluations, studies,
	, task scheduling and similar work to each specifi		area.	
	he development of discussion ability about techn			
	he ability to use software tools that support prob			
conside	T1 The ability to construct, exploit and manage t ered as systems of receiving, transporting, repres edia information from the point of view of transm	entation, processing, s		
C22 CE22/S mobile	T2 The ability of applying the basic techniques of and fixed environments, personal, local or long d asting, TV and data, from the point of view of trai	telecommunication ne listance, with different		
	T3 The ability to analyze the components and the		iided and non-gu	ided communications
and rac	T4 The ability to select circuits, subsystems and s lio determination.		-	-
waves,	T5 The ability to select transmission antennas, ea with electromagnetic, radiofrequency and optica ement and frequency designation.			
C26 CE26/S process	T6 The ability to analyze, codify, process and traising techniques.			
applica informa	EL1The ability to construct, operate and manage tions considered as systems to receive, transport ation from the computer services point of view.	, represent, process, s	tore, manage ar	nd present multimedia
manag chargir teletraf with dif	EL2 The ability to apply the techniques that are be ement, signaling and switching, routing and secu ig mechanisms, authentication and content prote fic) rating, reliability and quality of service in bot ferent bandwidths, including telephony and data	ring systems (cryptogr ction) traffic engineeri h fixed, mobile, persor	aphic protocols, ng (graph theory nal, local or long	tunneling, firewalls, , queuing theory and distance environments
	EL3 The ability to build, operate and manage con			
	EL4 The ability to describe, program, assess and k architecture layers .	optimize communicati	on protocols and	I Interfaces at different

- 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.
- C44 (CE44/SE6): The ability to understand and use feedback theory and electronic control systems.
- 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.
- D5 CT5 Ability to communicate orally and in writing in the Galician language.

re usual functions (according to the programme of the student) in some real surroundings of	Training and Learnin		
		Results	
Experience in the exert of the profession of Technical Engineer of Telecommunication and of his nore usual functions (according to the programme of the student) in some real surroundings of company.	B4 B5 B12 B13		
		C44 C45	
		C46	
		C47	

Contents	
Торіс	
General content	To define by the tutor in the company and the academic tutor.
Integration in the company and in his surroundings of work	During his stay the student will be integrated into the organization of the company and must coordinate with the rest of members of the work team to he was assigned.
Development of his professional activity	The student will make the tasks entrusted, in accordance with his knowledges and competences.

Planning			
	Class hours	Hours outside the	Total hours
		classroom	
Practicum, External practices and clinical practices	145	5	150
*The information in the planning table is for guidance	e only and does not tak	e into account the heter	ogeneity of the students.

Methodologies	
	Description
Practicum, External practices and clinical practices	Stay in a company developing functions of a Telecommunications Technical Engineer so that they can put into practice the knowledge and skills acquired, to complete their academic training.

Personalized assistance				
Methodologies	Description			
Practicum, External practices and clinical practices	The student will have a tutor inside the company that will guide him and will supervise in the specific tasks that it will have to develop inside the same; and an academic tutor - professor of the E.E.T. of the University of Vigo- that will define together with the tutor of the company, the general frame of the activity of the student, checking that it adjusts to the profile studied by the student.			

	Description	Qualification	Training		arning
				esults	
racticum, External practices and linical practices	The evaluation will realise in function of: 1) The memory of activities 2) The evaluation of the tutor in the company	100	B4 B5 B12 B13	C21 C22 C23 C24 C25 C26 C27 C28 C29 C30 C31 C32 C33 C34 C35 C36 C37 C38 C39 C40 C41 C42 C43 C45	D2
				C46 C47	

Other comments on the Evaluation

REPORT OF ACTIVITIES: The student must submit a report explaining the activities undertaken during practices, specifying its duration, departments of the company that were conducted, training received (courses, software, etc.), the level of integration within the company and personal relationships.

The report must also include a section of conclusions, containing a reflection on the adequacy of the lessons learned during the university studies to performance practice (negative and positive aspects significant related to the development of practices). It also assessed the inclusion of information on the professional and personal experience with the practices (personal assessment of learning achieved over practices or own contributions and suggestions on the structure and operation of the company visited).

The assessment of memory will be 60% of the final qualification.

COMPANY TUTOR EVALUATION: The company tutor will submit a report assessing aspects with the practices carried out by students: punctuality, attendance, responsibility, teamwork ability and integration in the enterprise, quality of work done, etc.

The assessment of the tutor in the company will be 40% of the final qualification.

Sources of information		
Basic Bibliography		
Complementary Bibliography		

Recommendations

Other comments

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