UNIVERSIDAD DE CASTILLA - LA MANCHA
GUÍA DOCENTE

1. General information

Course: BACHELORS THESIS
Type: PROJECT
Degree: 385 - DEGREE IN TELECOMMUNICATI TECHNOLOGY ENGINEERING
Center: 308 - SCHOOL POLYTECHNIC OF CUENCA
Year: 4
Main language: Spanish
Use of additional languages:
Web site:

Code: 59660
ECTS credits: 18
Academic year: 2021-22
Group(s): 30
Duration: SD
Second language:
English Friendly: Y
Bilingual: N

Lecturer: JOSE ANTONIO BALLESTEROS GARRIDO - Group(s): **30**

Building/Office	Department	Phone number	Email	Office hours
E. Politécnica Cuenca (2.16)	INGENIERÍA ELÉCTRICA, ELECTRÓNICA, AUTOMÁTICA Y COMUNICACIONES	926053863	josea.ballesteros@uclm.es	

Lecturer: MARCOS DAVID FERNANDEZ BERLANGA - Group(s): **30**

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2. Pre-Requisites

Before the Final Degree Project, it is advisable having passed all the subjects except 'Telecommunication Systems' and 'Audiovisual Systems' that should be attended at the same time.

To present the Final Degree Project, it is mandatory to have passed all the subjects (222 ECTS) except the Final Degree Project.

3. Justification in the curriculum, relation to other subjects and to the profession

The final step of this degree is the presentation of a Final Degree Project (RD 1393/2007).

4. Degree competences achieved in this course

Course competences

Code	Description
E32	Writing, presenting and defending an individual and original thesis in front of a university jury consisting of a comprehensive project of a professional nature in the field of the specific technologies of the Techincal Telecommunications Engineering, in which the skills acquired from the courses are synthesized and integrated.
G01	Knowledge of Information and Communication Technologies (ICT).
G02	Correct, oral and written, communication skills.
G03	Ethical commitment and professional ethics.
G04	Ability to write, develop and sign projects in the field of the specific technologies of Sound & Image and/or telecommunication systems of Technical Telecommunications Engineering profession whose purpose, according to the knowledge acquired according to section 5 of ministerial order CIN/352/2009 of 9 February, the creation and the development or operation of telecommunication and electronic networks, services and applications.
G05	Knowledge, understanding and ability to apply the necessary legislation during the development of the profession of Technical Telecommunications Engineer and being able to easily deal with specifications, regulations and mandatory regulations
G06	Knowledge of basic subjects and technologies, enabling students to learn new methods and technologies, as well as providing great versatility to adapt to new situations
G07	The ability to tackle problems with initiative, making decisions, creativity, and to communicate and transmit knowledge, skills and abilities, including the ethical and professional responsibility of the activity of a Technical Telecommunications Engineer
G08	Knowledge to perform measurements, calculations, assessments, appraisals, surveys, studies, reports, task planning and other similar work in their specific telecommunications field
G09	Being able to easily handle specifications, regulations and mandatory regulations
G10	The ability to analyse and assess the social and environmental impact of technical solutions
G11	Knowing and applying basic elements of economics and human resources management, organisation and planning of projects, as well as legislation, regulation and standardisation in telecommunications
G12	The ability to work in a multidisciplinary group and in a multilingual environment and to communicate, both in writing and orally, knowledge, procedures, results and ideas related to telecommunications and electronics
G13	The ability to look for and understand information, wether technical or commercial in different sources, to relate and structure it to integrate ideas and knowledge. Analysis, synthesis and implementation of ideas and knowledge.
G14	Leadership for the treatment of conflicts and abilities in negotiation and personal relationships, as well as to recognize and respect diversity and multiculturalism.

5. Objectives or Learning Outcomes

Course learning outcomes

Description

Individually completion of an original exercise and its presentation and defense facing an university jury, consisting of a Technical Telecommunications Engineering project of professional nature in which the skills acquired in the degree education obtained in the specific technologies of Sound and Image and / or Telecommunication Systems (depending on whether a single mention or both is chosen) were synthesized and integrated.

6. Units / Contents

No units added

ADDITIONAL COMMENTS, REMARKS

The contents depend on the topic of the Final Degree Project.

7. Activities, Units/Modules and Methodology

Training Activity	Methodology	Related Competences (only degrees before RD 822/2021)	ECTS	Hours	As	Com	Description
Other on-site activities [ON-SITE]	Guided or supervised work	E32 G01 G02 G03 G04 G05 G06 G07 G08 G09 G10 G11 G12 G13 G14	2	50	N	-	Realization of Final Degree Project. Work guided in the planning and proceeding, and autonomous in its developing.
Other off-site activity [OFF-SITE]	Guided or supervised work	E32 G01 G02 G03 G04 G05 G06 G07 G08 G09 G10 G11 G12 G13 G14	14	350	N	-	Realization of Final Degree Project. Work guided in the planning and proceeding, and autonomous in its developing.
Other on-site activities [ON-SITE]	Guided or supervised work	E32 G01 G02 G03 G04 G05 G06 G07 G08 G09 G10 G11 G12 G13 G14	0.2	5	N	-	Review of the written document under the supervision of the Final Degree tutor.
Writing of reports or projects [OFF-SITE]	Guided or supervised work	E32 G01 G02 G03 G04 G05 G06 G07 G08 G09 G10 G11 G12 G13 G14	1.2	30	Y	N	Writing of the Final Degree document supervised by the tutor and preparation of the defense. Reports will be retaken with another realization of the Final Degree Project. If plagiarism is detected, the student will have a failing grade
Individual tutoring sessions [ON-SITE]	Guided or supervised work	E32 G01 G02 G03 G04 G05 G06 G07 G08 G09 G10 G11 G12 G13 G14	0.5	12.5	N	-	Tutoring sessions along the Final Degree Project.
Project or Topic Presentations [ON-SITE]	Assessment tests	E32 G01 G02 G03 G04 G05 G06 G07 G08 G09 G10 G11 G12 G13 G14	0.1	2.5	Y	N	Individual defense of the Final Degree Project. The defense will be retaken with another realization of the Final Degree Project. If plagiarism is detected, the student will have a failing grade
Total:			**18**	**450**			
Total credits of in-class work: 2.8					**Total class time hours: 70**		
Total credits of out of class work: 15.2					**Total hours of out of class work: 380**		

As: Assessable training activity

Com: Training activity of compulsory overcoming (It will be essential to overcome both continuous and non-continuous assessment).

8. Evaluation criteria and Grading System

Evaluation System	Continuous assessment	Non-continuous evaluation*	Description
Other methods of assessment	100.00%	100.00%	Mark issued by the jury
Total:	**100.00%**	**100.00%**	

According to art. 4 of the UCLM Student Evaluation Regulations, it must be provided to students who cannot regularly attend face-to-face training activities the passing of the subject, having the right (art. 12.2) to be globally graded, in 2 annual calls per subject , an ordinary and an extraordinary one (evaluating 100% of the competences).

Evaluation criteria for the final exam:

   Continuous assessment:

     More details are available in 'Normativa de Trabajo Fin de Grado'

   Non-continuous evaluation:

     More details are available in 'Normativa de Trabajo Fin de Grado'

Specifications for the resit/retake exam:

More details are available in 'Normativa de Trabajo Fin de Grado'

Specifications for the second resit / retake exam:

More details are available in 'Normativa de Trabajo Fin de Grado'

9. Assignments, course calendar and important dates

Not related to the syllabus/contents

10. Bibliography and Sources

Author(s)	Title/Link	Publishing house	Citv	ISBN	Year	Description
	Normativa sobre la elaboración y defensa del Trabajo Final de Grado de GITT de la Escuela Politécnica de Cuenca https://politecnicacuenca.uclm.es/es/gradoteleco/tfg_gitt					