

Work Placement II

Code: 42843
ECTS Credits: 9

Degree	Type	Year	Semester
4313797 Telecommunications Engineering	OT	2	1

Contact

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Use of Languages

Principal working language: english (eng)

Other comments on languages

They are usually carried out in Spanish by the companies that hire (in the area).

Prerequisites

Successful completion of the first part of "Profesional Practices".

This is the second part of the "Profesional Practices" module which is split into two periods for the purpose of evaluation. These credits are distributed in two subjects of 9 ECTS credits each, and that the student must pass to obtain recognition of external practices. These are the subjects "Professional Practices I" and "Professional Practices II", which correspond to the two halves in which the total duration of the student's external practices can be divided. This division in two blocks allows: 1) the carrying out of an intermediate stage monitoring of the student, as established in RD-1707/2011 in article 13.2, and 2) create a differentiated profile between the first and second half of the internship period.

Objectives and Contextualisation

The first half of "Professional Practices" focuses on the development of technical skills in the field of Telecommunications Engineering, while the second half of the module "Professional Practices", will focus on the development of competencies in the field of management, without neglecting technical skills.

Competences

- "Capacity for the elaboration, direction, coordination and technical and economical management of projects about: systems, networks, infrastructures and telecommunication services, including the supervision and coordination of partial projects of coordination of part of its accompanying work projects; common telecommunications infrastructures in buildings or residential areas, including digital home projects; telecommunications infrastructure in transport and environment; with corresponding energy supply facilities and evaluation of electromagnetic emissions and electromagnetic compatibility."
- Capacity for critical reasoning and thought as means for originality in the generation, development and/or application of ideas in a research or professional context.
- Capacity for working in interdisciplinary teams
- Demonstrate an entrepreneurial, creative and innovative spirit
- Maintain proactive and dynamic activity for continual improvement

- Respect and promote human rights, democratic principles, principles of sex equality, solidarity, universal accessibility and design for all, prevention of labour risks, environmental protection and promotion of a culture of peace
- Students should be capable of integrating knowledge and facing the complexity of making judgements using information that may be incomplete or limited, including reflections on the social and ethical responsibilities linked to that knowledge and those judgements
- Students should know how to apply the knowledge they have acquired and their capacity for problem solving in new or little known fields within wider (or multidisciplinary) contexts related to the area of study
- Students should know how to communicate their conclusions, knowledge and final reasoning that they hold in front of specialist and non-specialist audiences clearly and unambiguously

Learning Outcomes

1. Assess the discrepancies between the objectives and project planning, identifying the causes of the discrepancies and take the necessary corrective measures
2. Capacity for critical reasoning and thought as means for originality in the generation, development and/or application of ideas in a research or professional context.
3. Capacity for working in interdisciplinary teams
4. Demonstrate an entrepreneurial, creative and innovative spirit
5. Development, strategic planning, direction, coordination and technical and financial management of projects in the field of Telecommunications Engineering following quality and environmental criteria.
6. Direct, plan and supervise multidisciplinary teams
7. Maintain proactive and dynamic activity for continual improvement
8. Plan a project using a GANT chart
9. Respect and promote human rights, democratic principles, principles of sex equality, solidarity, universal accessibility and design for all, prevention of labour risks, environmental protection and promotion of a culture of peace
10. Students should be capable of integrating knowledge and facing the complexity of making judgements using information that may be incomplete or limited, including reflections on the social and ethical responsibilities linked to that knowledge and those judgements
11. Students should know how to apply the knowledge they have acquired and their capacity for problem solving in new or little known fields within wider (or multidisciplinary) contexts related to the area of study
12. Students should know how to communicate their conclusions, knowledge and final reasoning that they hold in front of specialist and non-specialist audiences clearly and unambiguously

Content

The first half of "Professional Practices" focuses on the development of technical skills in the field of Telecommunications Engineering, while the second half of the module "Professional Practices", will focus on the development of competencies in the field of management, without neglecting technical skills.

Methodology

External practices developed by all students who choose this option will have the supervision of an academic tutor and a tutor at the collaborating institution. At the beginning of the semester, both tutors will be responsible for defining a Training Project in accordance with the objectives of the Master in Telecommunication Engineering. Exceptionally, students may also propose a Training Project agreed individually with a cooperating entity.

The teaching methodology will combine meetings between the student and the supervisor / tutor and the autonomous work carried out by the student.

Activities

Title	Hours	ECTS	Learning Outcomes
Type: Supervised			
Supervised work at the collaborating entity.	200	8	2, 3, 10, 11, 9
Type: Autonomous			
Autonomous work by student	20	0.8	4, 12

Assessment

The final grade will be obtained from:

- 60% final report of the activities carried out by the student provided by the supervisor of the company.
- 40% final report provided by the student.

Both reports will be delivered to the Master's coordinator at the end of the training period at the company.

Assessment Activities

Title	Weighting	Hours	ECTS	Learning Outcomes
Final report provided by the student.	40	5	0.2	1, 2, 3, 4, 6, 5, 7, 8, 10, 11, 12, 9
Final report provided by the supervisor.	60	0	0	1, 2, 3, 4, 6, 5, 7, 8, 10, 11, 12, 9

Bibliography

Some bibliography may be suggested by the collaborating entity.