Pràctiques Professionals I			2014/2015

Codi: 42842
Crèdits: 9

Titulació	Tipus	Curs	Semestre
4313797 Enginyeria de Telecomunicacions / Telecommunication Engineering	OT	2	1

Professor de contacte

Nom: Jose Lopez Vicario

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Utilització de llengües

Llengua vehicular majoritària: anglès (eng)

Grup íntegre en anglès: No

Grup íntegre en català: Sí

Grup íntegre en espanyol: No

Prerequisits

No requirements needed.

Objectius

The goal is to do internships in the telecommunications sector to:

- Look further in the knowledge, skills and attitudes of professionals in Telecommunications Engineering
- Link students with the business reality of the sector
- Complement the theoretical training with practical experience in the field of technology.

Competències

- 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
- Capacity to integrate new technologies and systems developed within telecommunications engineering in general and in broader, multidisciplinary contexts such as bioengineering, photovoltaic conversion, nanotechnology, telemedicine
- 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

Resultats d'aprenentatge

1. Apply the appropriate methodology for the development of the problem, combining theoretical developments and simulations accordingly
2. Assess project results by comparing them with previous similar results from external sources and identifying the project contributions in the current knowledge in the topic.
3. 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.
4. Capacity for working in interdisciplinary teams
5. Demonstrate an entrepreneurial, creative and innovative spirit
6. Identify the project objectives.
7. Maintain proactive and dynamic activity for continual improvement
8. 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
9. 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
10. 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
11. 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

Continguts

See methodology section.

Metodologia

External practices developed by all students 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.

Activitats formatives

Títol	Hores	ECTS	Resultats d'aprenentatge
Tipus: Supervisades			
Supervised work at company	200	8	1, 2, 3, 4, 5, 6, 7, 8, 9, 10
Tipus: Autònomes			
Autonomous work by student	20	0,8	5, 11

Avaluació

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.

Activitats d'avaluació

Títol	Pes	Hores	ECTS	Resultats d'aprenentatge
Final report provided by student	40%	5	0,2	2, 6, 11
Final report provided by the supervisor	60%	0	0	1, 3, 4, 7, 8, 9, 10

Bibliografia

No bibliography.