External Academic Internships

Academic Year: (2023 / 2024)   **Review date: 14/04/2023 15:36:15**

Department assigned to the subject: Signal and Communications Theory Department

Coordinating teacher: VAZQUEZ VILAR, GONZALO

Type: Electives ECTS Credits : 6.0

Year : 4 Semester :

REQUIREMENTS (SUBJECTS THAT ARE ASSUMED TO BE KNOWN)

It is required to have 110 ECTS passed.

OBJECTIVES

The goal of this course is to allow the student to complete its formation with a period of external internship in a company. External internships reinforce students¿ formation and provide them a complementary laboral formation with singular value for their professional career.

- To know corporative work methods as well as the major tools used to support the work of an electrical engineer in a company.
- Ability to apply the knowledge acquired during undergraduate studies for solving engineering problems in companies.
- To provide solutions to a problem that are reasonable within the scope of the company, respectful with the current normative and responsible from the legal and environmental point of view.
- Capacity to make cooperative work, taking the roles required by the project leader and being a responsible member of a work team, but at the same time having initiative.
- To effectively communicate the knowledge related to ICT in the company.
- To acquire organization and planning skills.
- Training in decision-making and work under pressure.

- To apply the knowledge and competences acquired during the program to the real-world context of companies.
- To learn professional and corporative work methods.
- To know and to integrate in a professional work team, making tasks efficiently, coordinated, and adjusted to the required needs.
- To effectively communicate using a professional terminology.
- To learn about the job market situation in the specialization field and in the local environment.

DESCRIPTION OF CONTENTS: PROGRAMME

As content is understood all those activities carried out by students in companies, entities and organizations, which aim to provide a practical complement (or academic-practical complement) to academic training provided that such activity is related to their academic training and their possible career opportunities.

In particular, the training objective of the practice will necessarily include the following aspects:

- Tasks to be developed by the student.
- Knowledge that the student will acquire.
- If you will participate in design, planning or development tasks.
- Within which projects or areas will the practices be framed.
- Tools that you will use.

LEARNING ACTIVITIES AND METHODOLOGY

The student will have a tutor in the company in order to direct, guide and supervise the activity in practice.

There will also be an academic tutor at Uc3m who will be informed about the progress of the practice and will provide support to the student if necessary. It will carry out the tutorials that it considers necessary and will also grade the student.

Practical Work: 5 ECTS = 150 hours of internship in the company.

Theoretical Work: 1 ECTS = 30 hours to make a report of the work done during the internships in the company.

ASSESSMENT SYSTEM

The evaluation system includes the evaluation of the activities carried out during the internships in the company. For this, the following elements will be used:

-Report of the tutor in the company: The academic tutor of the Uc3m will request this report from the tutor of the company.

-Student memory: of the work done during the practices. You will do it according to the instructions published in Aula Global to which you will have access once you have enrolled the subject.

Both elements will give a 100% rating.

The academic tutor at UC3M, based on the above documents, will qualify on the form established for this purpose.

Students who do not present the report will be rated NOT PRESENTED. The Tutor must send the minutes with this qualification.

If the student abandons the practice for which the subject has been validated and enrolled without having reached the hours corresponding to the credits to be passed, they will be graded with NOT PRESENTED because they will not be able to present the memory.