uc3m | Universidad Carlos III de Madrid

Professional Internships

Academic Year: (2022 / 2023)   **Review date: 04-06-2021**

Department assigned to the subject: Electrical Engineering Department

Coordinating teacher: MARTINEZ CRESPO, JORGE

Type: Electives ECTS Credits : 6.0

Year :   Semester :

REQUIREMENTS (SUBJECTS THAT ARE ASSUMED TO BE KNOWN)

It is required to have passed 110 ECTS.
It is recommended to have passed 180 ECTS

OBJECTIVES

By the end of this content area, students will be able to have:
1.   awareness of the wider multidisciplinary context of engineering.
2.   the ability to apply their knowledge and understanding to identify, formulate and solve engineering problems using established methods;
3.   the ability to conduct searches of literature, and to use data bases and other sources of information;
4.   the ability to select and use appropriate equipment, tools and methods;
5.   the ability to combine theory and practice to solve engineering problems;
6.   an awareness of the non-technical implications of engineering practice.
7.   function effectively as an individual and as a member of a team;
8.   use diverse methods to communicate effectively with the engineering community and with society at large;
9.   recognise the need for, and have the ability to engage in independent, life-long learning.

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 the student will participate in design, planning or development tasks.
- Within which projects or areas will the practices be framed.
- Tools that will be used.

LEARNING ACTIVITIES AND METHODOLOGY

The student will have a tutor in the company, who will direct, guide and supervise the activities of the 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. The academic tutor will carry out the tutorials that he or she considers necessary and will also grade the student.

Practical Work 5 ECTS.

Practical work consist in the realization of specific tasks in a company in charge of a tutor. The practical work develops specific skills and most of the crossed skills, such teamwork, ability to apply knowledge to practice, planning and organization, analysis and synthesis. The work also aim to develop specific skills attitudes.

Evaluation: 1 ECTS.

The evaluation consists in making a memory about the work done during the internship. The memory should verify that the student has successfully used his practice time and has acquired skills and competencies of speech properly.

ASSESSMENT SYSTEM

The evaluation system includes the evaluation of the activities carried out during the internship 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 report: of the work done during the practice. The student will do it according to the instructions published in Aula Global to which he or she will have access once enrolled in the subject.

Both elements will give a 100% rating.

The academic tutor at UC3M, based on the above documents, will assess the work according to the form established for this purpose.

Students who do not present the report will be rated as NOT SUBMITTED. The Tutor must send the assessment record with this grade.

If the student gives up the practice for which the subject has been validated and enrolled without having reached enough number of hours to pass the subject, he or she will be graded as NOT SUBMITTED because will not be able to present the report.