

Academic Year: (2020 / 2021)

Review date: 06-07-2020

Department assigned to the subject: Computer Science and Engineering Department

Coordinating teacher: LINARES LOPEZ, CARLOS

Type: Electives ECTS Credits : 6.0

Year : 4 Semester :

REQUIREMENTS (SUBJECTS THAT ARE ASSUMED TO BE KNOWN)

Students must have covered basic courses (It is required to have passed 110 ECTS).

OBJECTIVES

The goal of this subject is to allow the student to complete its formation with a period of external internship in a company. External internships reinforces the formation of the students and provides an additional laboral formation with singular value for their professional career.

Competences (PO: a, c, d, f, g, h, i, k):

- 1.- To know corporative work methods, and the major tools used to support the work of an Informatics engineer in a company.
- 2.- To provide solutions to a problem that are well adjusted to the company environment, respectfull with the current normative, and legal and environmentally sensitive.
- 3.- 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.
- 4.- To effectively communicate the knowledge related to ICT in the company.
- 5.- To be able of learning in an autonomous way new concepts and technics to create, develop, and exploit computer systems.
- 6.- To use professional computer tools in the company.
- 7.- To differentiate and evaluate professional computer tools used in the market.

 Learning Outcomes (PO: a, c, d, f, g, h, i, k):

- 1.- To know and use professional computer tools in the company.
- 2.- To effectively communicate the knowledge related to ICT in the company using a professional terminology.
- 3.- To know and to integrate in a professional work team, making tasks efficiently, coordinated, and adjusted to the required needs.
- 4.- To learn professional and corporative work methods.

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

Internship Work 5 ECTS (PO: a, c, d, f, g, h, i, k).

To develop instrumental competences and many generic ones, as cooperative work team, capacity to apply Infomatics concepts to the company work, work planning and organization, and analysis and synthesis of information. Moreover, the external internship is conceived to develop attitudinal competences.

The internship consists of a company stay to make a real-world project in dependence of a professional company advisor. Competences: 1, 2, 3, 4, 5, 6, 7.

Evaluation: 1 ECTS.

The student must write a report of the internship and make an oral presentation to show the work developed in the company to prove that the internship goals have been fulfilled, and the competences to be acquired have been correctly acquired. Competencies: 4

ASSESSMENT SYSTEM

(PO: a, c, d, f, g, h, i, k)

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.