

Academic Year: ( 2020 / 2021 )

Review date: 09-07-2020

Department assigned to the subject: Continuum Mechanics and Structural Analysis Department

Coordinating teacher: VADILLO MARTIN, GUADALUPE

Type: Electives ECTS Credits : 6.0

Year : 4 Semester :

**REQUIREMENTS (SUBJECTS THAT ARE ASSUMED TO BE KNOWN)**

It is required to have passed 110 ECTS.

It is highly advisable to take this course in the year before graduation. Nevertheless at least the student should have passed the first and the second course of the degree before taking this course.

**OBJECTIVES**

The aim of this subject is to introduce students into the world of enterprise. Besides the above, enterprise practices offer students the chance to put into practice the knowledge acquired during his other studies, as well as understanding the importance of practical aspects in choosing the solution for a problem.

The skills to be acquired by student taking this subject are:

1. Knowing the working methods in a company and the main tools to support the work of an engineer.
2. Acquiring the ability to apply knowledge gained during the engineering studies to working practice, using a combination of knowledge and techniques of engineering to solve problems.
3. Finding solutions for a problem which are reasonable within the scope of the company and meet the standards, respect the equality of opportunities between men and women and are responsible from the environmental point of view.
4. Ability to work in a workteam, playing the roles specified by the project manager and being integrated into the company, but in turn being able to work autonomously.
5. Communicate knowledge in a effective way within the company.
6. Acquiring new knowledge and techniques for solving engineering problems in an autonomous way.
7. Learning to use tools in the field of business.
8. Competition to join a working team.

**Learning Outcomes**

1. Appreciate the importance of practical aspects when looking for the solution to a problem.
2. Learn to communicate effectively using the language of business.
3. Joining a team and learn to perform their duties in an efficient, coordinated and measured way.
4. Knowledge of working methods in a company.
5. Applying knowledge and skills acquired in engineering studies to the world of business

**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 = 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 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.