62945 - Master's Dissertation

Información del Plan Docente

Academic Year	2016/17
Academic center	110 - Escuela de Ingeniería y Arquitectura
Degree	562 - Master's in Product Development Engineering
ECTS	12.0
Course	1
Period	Second semester
Subject Type	Master Final Project
Module	---

1.Basic info

1.1.Recommendations to take this course

The subject is preferably coursed during the second semester of the year. It is recommended to have passed all compulsory subjects of the master to start the Master's Thesis

1.2.Activities and key dates for the course

The activities developed in the Master's Thesis (TFM) will be agreed between the student and the Director. These activities will preferably take place during the second semester (spring).

Activities and key dates of the course are those that mark the time of registration, deposit and defense, and are found on the website of the Center: eina.unizar.es

2.Initiation

2.1.Learning outcomes that define the subject

The student, for passing this subject, should demonstrate the following results:

He/She is able to perform, present and defend a comprehensive project of engineering industrial design, as a demonstration and synthesis of skills acquired in the teachings, bringing together the demands of research, development and innovation led to the design and product development in relevant areas of economic, industrial, professional and academic activity.

2.2.Introduction

The Master's Thesis (TFM) is a subject of 12 ECTS credits equivalent to 300 total hours of student work, ie about 9 weeks of full-time.

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The TFM is focused on the application of skills acquired in the master's program for development of a practical work or research initiation, developing a work in which synthesize and integrate the total of the skills acquired during the master.

3.Context and competences

3.1.Goals

The subject and its expected results meet the following approaches and objectives:

The Final Master Work is a work done by the student under the supervision of a lecturer of the Master in some (s) of the themes addressed in the subjects of the master.

The main objective of the Final Master is to train students to perform, present and defend a comprehensive project of Engineering Product Design, as a demonstration and synthesis of skills acquired in the teachings. It is intended that the student make the development of a completely original work, including the preparation of work, presentation of results, discussion of them, documentation in a memory and public defense.

3.2.Context and meaning of the subject in the degree

This is the last course of the degree; overcoming it the student will be credited for obtaining the title of Master in Product Design Engineering.

3.3.Competences

Passing the course, students will be more competent to:

- Bringing together the demands of research, development and led to the design and product development in relevant areas of economic, industrial, professional and academic innovation activity.

- Accomplishment, presentation and defense, once obtained all the credits of the curriculum, of an original exercise performed individually before a university tribunal, consisting of a comprehensive project of Engineering of Product Design, of professional nature or research, in which synthesise the skills acquired in the teachings.

3.4.Importance of learning outcomes

The TFM should allow the student to prove the acquisition of the skills developed throughout the lessons, so overcoming it will be credited for obtaining the title of Master in Product Design Engineering.

4.Evaluation

The student must demonstrate that has achieved the intended learning outcomes through the following evaluation

activities:

The student should proceed with the preparation of a report of work performed in accordance with current legislation and its public defense before a university tribunal, which will assign the appropriate rating.

5.Activities and resources

5.1.General methodological presentation

The learning process that is designed for this subject is based on the following:

The Master Work is a work in which each student synthesizes and shows the total of the skills acquired in the teachings. A learning process with theoretical lessons and seminars that will progressively be illustrating the student as has been done in previous courses but revised by mentoring.

The tutelage of Master's Thesis is developed under the supervision of a professor of any of the various areas involved in the master's knowledge, according to current regulations.

5.2.Learning activities

Presentation and public defense, once obtained all the credits of the curriculum, from an original exercise performed individually before a university tribunal, consisting of a comprehensive project in Engineering of Product Design, of professional nature or research, in which synthesise the skills acquired in the teachings.

5.3.Program

5.4.Planning and scheduling

The course is 12 credits, equivalent to 300 hours of student work, assigned and distributed in the manner agreed with the director of the Master's Thesis.

5.5.Bibliography and recomended resources