Master's Thesis

Academic Year: **(2023 / 2024)**   **Review date: 12-01-2024**

Department assigned to the subject: Aerospace Engineering Department

Coordinating teacher: CAVALLARO , RAUNO

Type: Master Final Project ECTS Credits : 12.0

Year : 2 Semester : 1

REQUIREMENTS (SUBJECTS THAT ARE ASSUMED TO BE KNOWN)

The public defense of the Master Thesis (TFM, Trabajo Fin de Máster) will occur when the student has passed all the subjects of the master, within the period established for this purpose in the current academic calendar for postgraduate studies and according to the regulations set by the University and by the Polytechnic School (EPS).

OBJECTIVES

At the end of the TFM, the student will have

- Acquired a general knowledge about making a whole professional project related to some of the characteristic topics in Aeronautical Engineering.
- Presented his work in a written document and also in an oral presentation.
- Demonstrate a personal commitment to professional standards, recognizing obligations to society, the profession and the environment

DESCRIPTION OF CONTENTS: PROGRAMME

The Master Thesis (MT) implies the development, presentation and defense of an original and individual work consisting in a complete professional project in Aeronautical Engineering, synthesizing the competences acquired during the Master program. The MT will be presented to a university committee after all other credits in the study plan have been completed.

The offer is posted on TFEPE (project board) : https://sigma-web.uc3m.es/InicioAlumno.html

Tasks to be performed by the student include:
- Presentation of work items
- Collection and analysis of information for the MT
- Development of MT
- Development of report and public defense of MT

LEARNING ACTIVITIES AND METHODOLOGY

The TFM will be developed under the supervision of an academic tutor, who will be a professor from one of the departments involved in the teaching activities of the Master, and who will participate as a director of advisor of the student work. The work may also have a co-director who may be from the same department, another UC3M department or even external.

Learning activities, methodology and tutorships will be organized according to the rules specified by the University and the EPS.

SPECIFIC LEARNING ACTIVITIES
- Tutorials (1.5 ECTS credits)
- Student's personal work (10.5 ECTS credits) aimed at completing the TFM
- Presentation and defense of the work carried out before a Committee of professors of the master. The specific regulations of the TFM establish the evaluation criteria of the Master Thesis.

ASSESSMENT SYSTEM

Master's Thesis will be evaluated by a specific committee, in agreement with the procedures and requirements stated by the University, within the periods yearly specified in the academic schedule

Format act of defense :
The presentation and defense of the TFM is performed in the presence of the evaluation committee. The student will give a presentation lasting no longer than 20 minutes, after which the committee may ask the student all the questions needed for the evaluation of the work. The committee, after consulting the tutor of the project if required, will proceed to the qualification, which shall inform the student after the deliberation, sending a copy of the qualification certificate to the corresponding administrative services at UC3M .

The University uses the Turnitin Feedback Studio program within the Aula Global for the delivery of student work. This program compares the originality of the work delivered by each student with millions of electronic resources and detects those parts of the text that are copied and pasted. If the student has correctly made the appointment and the bibliographic reference of the documents he uses as a source, Turnitin will not mark it as plagiarism.

The committee is specifically selected for each student according to tutor proposal, and to the rules established in the regulations approved by the School of Engineering (EPS) .

Students will perform the presentation and defense in English.