

Academic Year: ( 2021 / 2022 )

Review date: 10-07-2020

Department assigned to the subject: Department of Bioengineering and Aerospace Engineering

Coordinating teacher: SANJURJO RIVO, MANUEL

Type: Master Final Project ECTS Credits : 12.0

Year : 2 Semester :

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

El alumno deberá haber completado todos los créditos correspondientes al resto de los módulos antes de proceder a la defensa del Trabajo Fin de Máster.

#### OBJECTIVES

##### Basic competences

CB6 To possess and understand knowledge that provides a basis or opportunity to be original in the development and / or application of ideas, often in a research context

CB7 Students must know how to apply the knowledge acquired and their ability to solve problems in new or unfamiliar environments within broader (or multidisciplinary) contexts related to their area of study

CB8 Students must be able to integrate knowledge and face the complexity of making judgments based on information that, being incomplete or limited, includes reflections on social and ethical responsibilities linked to the application of their knowledge and judgments

CB9 Students must know how to communicate their conclusions and the knowledge and ultimate reasons that sustain them to specialized and non-specialized audiences in a clear and unambiguous way

CB10 Students must have the learning skills allowing them to continue studying in a way that will be largely self-directed or autonomous.

##### General competences

CG1 Capacity for the formulation, critical verification and defense of hypotheses, as well as the design of experimental tests for verification.

CG2 Ability to make value judgments and prioritize in making conflicting decisions using systemic thinking.

CG3 Ability to analyze and correct the environmental and social impact of the technical solutions of any space system

CG5 Ability to handle the English, technical and colloquial language.

##### Specific competences

CE16 Ability to perform, present and defend an original exercise carried out individually before a tribunal, consisting of an integral project of Space Engineering of a professional nature in which the competences acquired in the teachings are synthesized, will be exercised through the Final Master's Project.

[Link to document](#)

#### DESCRIPTION OF CONTENTS: PROGRAMME

The student will proceed to the realization, presentation and defense, once all the credits of the syllabus have been obtained, from an original exercise carried out individually before an academic tribunal, in public session, consisting of an integral project of Space Engineering of a professional nature

in which the competences acquired in the teachings be synthesized.

#### LEARNING ACTIVITIES AND METHODOLOGY

AF5 Tutorials  
AF7 Individual student work  
AF8 Evaluation activities

Code activity	Nº Total hours	Nº HoursPresencial	% Student's presence
AF5	10	10	100
AF7	350	0	0
AF8	1	1	100
TOTAL SUBJECT	361	11	3

#### EDUCATIONAL TRAINING METHODOLOGIES OF PLAN REFERRED TO SUBJECTS

MD3 Resolution of practical cases, problems, etc. raised by the teacher individually or in groups  
MD5 Preparation of papers and reports individually or in groups

#### ASSESSMENT SYSTEM

EVALUATION SYSTEMS:

#### ASSESSMENT SYSTEMS OF THE STUDY PLAN REFERRED TO SUBJECTS

SE4 Presentation and public defense of the TFM

System of Evaluation	Minimum weight (%)	Maximum weight (%)
SE4	100	100