

**Master's Dissertation**

Code: 44668  
ECTS Credits: 12

Degree	Type	Year	Semester
4313785 Aeronautical Management	OB	0	2

The proposed teaching and assessment methodology that appear in the guide may be subject to changes as a result of the restrictions to face-to-face class attendance imposed by the health authorities.

**Contact**

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**Use of Languages**

Principal working language: spanish (spa)

**Prerequisites**

None.

**Objectives and Contextualisation**

This is a practical module, whose main purpose is for the student to apply all, or a good part, of the knowledge acquired throughout the master's degree in a specific case.

The student must design, prepare and write a research or applied work within any of the areas of the Master, or a combination of these, and make a presentation of the results achieved.

**Competences**

- Communicate and justify conclusions clearly and unambiguously to both specialised and non-specialised audiences.
- Conduct an original, innovative project on a problem related to the aeronautical sector.
- Integrate knowledge and use it to make judgements in complex situations, with incomplete information, while keeping in mind social and ethical responsibilities.
- Organise, plan and manage projects.
- Seek out new areas to open up within the field.
- Solve complex problems by adopting a rigorous, efficient approach.
- Solve problems in new or little-known situations within broader (or multidisciplinary) contexts related to the field of study.

**Learning Outcomes**

1. Communicate and justify conclusions clearly and unambiguously to both specialised and non-specialised audiences.
2. Integrate knowledge and use it to make judgements in complex situations, with incomplete information, while keeping in mind social and ethical responsibilities.
3. Organise, plan and manage projects.
4. Planificar y desarrollar proyectos de innovación en temáticas propias del ámbito de la gestión aeronáutica.

5. Seek out new areas to open up within the field.
6. Solve complex problems by adopting a rigorous, efficient approach.
7. Solve problems in new or little-known situations within broader (or multidisciplinary) contexts related to the field of study.

## Content

The organization and development of the work is as follows:

The students decide according to their interests, and with the collaboration of the coordinator of the master (if required), the subject of their work. Based on it, the coordinator assigns the student an academic director (teacher of the master) of the work.

In the first interview with the academic director, the monitoring conditions are established: the subject of the work is specified, the main aspects of the development are discussed and the work plan is established, including the monitoring calendar. Throughout the development period, periodic meetings are held in which the director ensures that the student adequately follows the established work plan. Likewise, the director advises the student on the correct structuring and quality parameters to be considered in the writing of the work report by the student. At the end of the work, the director prepares a report assessing the monitoring carried out. Said report is made available to the TFM evaluation commission, as it constitutes one of the evaluation elements.

There is the possibility of carrying out the TFM within one of the companies or institutions of the aeronautical sector that collaborate with the master's degree. In this case, in addition to the academic director, the student will have a supervisor in the company or institution. In this modality, the work plan is developed jointly by the student, the academic director and the supervisor in the company or institution. From here on, monitoring the work plan is the fundamental responsibility of the supervisor, with periodic specific interventions from the academic director who, in any case, advises the student in the preparation of the report, as mentioned in the previous paragraph. In this case, both the academic director and the supervisor issue reports that are made available to the evaluation committee of the TFM.

## Methodology

The teaching methodology used will combine the follow-up meetings between student and director, the autonomous work done by the student himself and the preparation of the results.

Annotation: Within the schedule set by the centre or degree programme, 15 minutes of one class will be reserved for students to evaluate their lecturers and their courses or modules through questionnaires.

## Activities

Title	Hours	ECTS	Learning Outcomes
Type: Supervised			
Elaboration of the work memory	80	3.2	1
Preparation of the oral presentation	20	0.8	1
Work follow-up tutorials	15	0.6	6, 5, 3, 4, 1
Type: Autonomous			
Work development	184	7.36	6, 5, 3, 4, 2

## Assessment

The evaluation commissions are made up of three professors of the master's degree and the evaluation method is the same, regardless of whether the TFM has been developed, or not, within a company or institution.

The following table shows the components of the assessment with their corresponding weights.

### Assessment Activities

Title	Weighting	Hours	ECTS	Learning Outcomes
Oral presentation and work defense	20%	1	0.04	1
Overall assessment of the work by the evaluation committee	20%	0	0	6, 5, 3, 4, 2, 7
Reports by director and supervisor of the work	40%	0	0	6, 5, 3, 4, 2, 7
Work memory	20%	0	0	1

### Bibliography

Not specified. It will depend on the characteristics of the work.

### Software

Not specified. It will depend on the characteristics of the work.