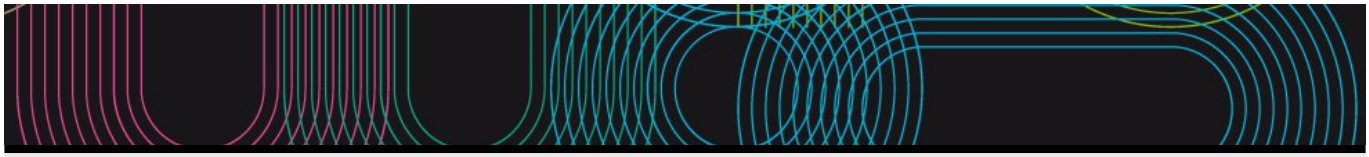

IDENTIFYING DATA				
Final Dissertation				
Subject	Final Dissertation			
Code	O07M174V01206			
Study programme	Máster Universitario en Operaciones e Ingeniería de Sistemas Aéreos no Tripulados			
Descriptors	ECTS Credits	Choose	Year	Quadmester
	9	Mandatory	1st	2nd
Teaching language	Spanish Galician English			
Department				
Coordinator				
Lecturers				
E-mail				
Web	http://aero.uvigo.es			
General description	The student will carry out an engineering project in the field of unmanned aircraft systems in which he/she will put into practice the knowledge acquired throughout the master. International students may request from the teachers: a) materials and bibliographic references in English, b) tutoring sessions in English, c) exams and assessments in English.			

Training and Learning Results	
Code	
A1	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
A2	That students 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
A3	That the students be able to integrate knowledge and face the complexity of formulating judgments from information, which being incomplete or limited, includes reflections on social and ethical responsibilities linked to the application of their knowledge and judgments
A4	That the students know how to communicate their conclusions - and the latest knowledge and reasons that support them - to specialized and non-specialized audiences in a clear and unambiguous manner
A5	That students have the learning abilities that allow them to continue studying in a way that will have to be largely self-directed and autonomous
B1	That students acquire general knowledge in unmanned aircraft systems engineering
B2	That students acquire generic knowledge in unmanned aircraft systems operations
B3	That students acquire the capabilities to analyze the needs of a company in the field of unmanned aerial systems and determine the best technological solution for the same
B4	That the students acquire the knowledge to develop unmanned aerial systems or to plan specific operations, depending on the existing needs and to apply the existing technological tools
B5	That students know and be able to apply the principles and methodologies of research, such as bibliographical searches, data collection and analysis and interpretation thereof, as well as the presentation of conclusions, in a clear, concise and rigorous way
C1	Knowledge of the main systems, the on board instruments and the control station of a non-manned aircraft, as well as its influence on security
C2	Knowledge of the geomatic, photogrammetrical and cartographic principles of navigation, aerotriangulation, interpretation and digital processing of images, as well as the good practices existing in the operation of unmanned aerial systems and know how to apply the regulations in force
C3	Capacity of interacting with technical teams in planning with unmanned aerial systems
C4	Capacity to develop a technical project in the field of engineering and operations with unmanned aerial systems
D1	Capacity to understand the meaning and application of the gender perspective in the different fields of knowledge and professional practice with the aim of achieving a more just and egalitarian society

D2	Ability to communicate orally and in writing in Galician
D3	Sustainability and environmental commitment. Equitable, responsible and efficient use of resources
D4	Development of the innovative and entrepreneurial spirit
D5	Ability to interpersonal relationships
D6	Ability to work as a team
D7	Capacity for organization and planning
D8	Ability of analysis and synthesis
D9	Capacity for critical reasoning and creativity
D10	Guidance to quality and continuous improvement

Expected results from this subject

Expected results from this subject	Training and Learning Results
Be able to develop a technical project in the field of operation with unmanned aircraft systems.	A1 A2 A3 A4 A5 B1 B2 B3 B4 B5 C1 C2 C3 C4 D1 D2 D3 D4 D5 D6 D7 D8 D9 D10

Contents

Topic
Project in the field of unmanned aircraft systems engineering.
Project in the field of unmanned aircraft systems operations.

Planning

	Class hours	Hours outside the classroom	Total hours
Mentored work	0	215	215
Essay	1	9	10

*The information in the planning table is for guidance only and does not take into account the heterogeneity of the students.

Methodologies

	Description
Mentored work	

Personalized assistance

Methodologies	Description
Mentored work	Face-to-face tutoring and email attention

Assessment

Description	Qualification	Training and Learning Results

Mentored work	Project report. Oral presentation.	100	A1 A2 A3 A4 A5	B1 B2 B3 B4 B5	C1 C2 C3 C4	D1 D2 D3 D4 D5 D6 D7 D8 D9 D10

Other comments on the Evaluation

Sources of information

Basic Bibliography

Complementary Bibliography

Recommendations

Subjects that are recommended to be taken simultaneously

External internships/O07M174V01205