1. BASIC INFORMATION

Course	Graduation Project
Degree program	Degree in Aerospace Engineering of Aircraft
School	Arquitectura, Ingeniería y Diseño
Year	4th
ECTS	12
Credit type	Degree requirements
Language(s)	English
Delivery mode	Face to Face
Semester	Annual
Academic year	2024-2025
Coordinating professor	Dr. Ana Medina Palomo

2. PRESENTATION

Graduation project consists of a final academic work that students have to develop along an equivalent time of 425 hours during second semester of the fourth year. Topic of the work will be related to aerospace engineering and will be chosen with the help of the tutoring professor. Graduation project has to include an abstract, an introduction, the methodologies used, calculation, analysis, design, conclusions, and future work.

3. COMPETENCIES AND LEARNING OUTCOMES

Core competencies:

- CB1: That students have demonstrated knowledge and understanding in a field of study that part of the basis of general secondary education, and is usually found at a level that, while supported by advanced textbooks, includes some aspects that will knowledge of the forefront of their field of study
- CB2: That students can apply their knowledge to their work or vocation in a professional manner and have competences typically demonstrated through devising and sustaining arguments and solving problems within their field of study.
- CB3: That students have the ability to gather and interpret relevant data (usually within their field of study) to make judgments that include reflection on relevant social, scientific or ethical
- CB4: To allow students to communicate information, ideas, problems and solutions both to a specialized and non-specialized audience
- CB5: That students have developed those learning skills necessary to undertake further studies with a high degree of autonomy.

Cross-curricular competencies:

- CT2: Planning, definition, direction and project management of design, stress analysis and production in the field of aeronautical engineering aimed, according to the knowledge acquired as provided in paragraph 5 of the Decree CIN/308/2009, vehicles aerospace.
- CT5 Capacity to conduct activities of projecting, technical management, expertise, writing reports, inspections, opinions, and technical suggestions on tasks related to the technical aeronautical engineering, in assignments of the responsibilities and technical positions genuinely aerospace.
- CT7: Ability to analyze and assess the social and environmental impact of the technical solutions.
- CT8: Knowledge, understanding, and ability to use regulation needed for technical aeronautics engineers in specific field of aircraft.
- CT9: Knowledge, and ability to use business management technics and labour law, taking into account principles of equality between men and women, solidarity, and peace culture.
- CT20: Take decisions, in advance, on what is need to be done, who should do it, and how it should be done.
- CT21: Self-acknowledgement for achieving high levels of performance in one's work, with a positive influence in substantially improving the results (Self Confidence).

Specific competencies:

- CE36: Ability to individually develop a project related to specific technologies of aerospace engineering, associated to specifig technology of aircraft, in such manner the work is carried out professionaly, synthesising and integrating the adquired competences in previous modules.

  Notes: UNIQUE LEVEL: Competence developed at one level. Level 1 (N1): awareness about the importance of competences and basic application of it to several situations. Level 2(N2): interiorization and skillful handling of competences. Level 3 (N3): Full interiorization and handling of competences at any needed situation.

Learning outcomes:

- To develop a typical project in aerospace engineering field, specifically in aircraft

The following table shows the relationship between the competencies developed during the course and the learning outcomes pursued:

Competencies	Learning outcomes
CB1, CB2, CB3, CB4, CB5, CT2, CT5, CT7, CT8, CT9, CT20, CT21, CE36	LO36. To develop a typical project in aerospace engineering field, specifically in aircraft

4. CONTENT

Original exercise to be carried out individually and presented to a university court, consisting of a project in the field of specific technologies of this degree, of a professional nature in which they synthesize and integrate the skills acquired in the teachings.

5. TEACHING-LEARNING METHODOLOGIES

The types of teaching-learning methodologies used are indicated below:
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- Survey of objectives and interests
- Designs

6. LEARNING ACTIVITIES

Listed below are the types of learning activities and the number of hours the student will spend on each one:

Learning activity	Number of hours
Self-study	280
Mentoring, academic monitoring and assessment	20
TOTAL	**300**

7. ASSESSMENT

Listed below are the assessment systems used and the weight each one carries towards the final course grade:

Assessment system	Weight
Final degree project (university court)	100%-100%

When you access the course on the *Campus Virtual*, you'll find a description of the assessment activities you have to complete, as well as the delivery deadline and assessment procedure for each one.

7.1. First exam period

To pass the course in the first exam period, you must obtain a final course grade of at least 5 out of 10 (weighted average).

7.2. Second exam period

To pass the course in the second exam period, you must obtain a final grade of at least 5 out of 10 (weighted average).

The student must deliver the activities not successfully completed in the first exam period after having received the corresponding corrections from the professor, or those that were not delivered in the first place.

8. SCHEDULE

This table shows the delivery deadline for each assessable activity in the course:

Assessable activities	Deadline
Project draft	20th December
Midterm revision	20th March
Delivery	10th June
Defense	19th- 22th June

This schedule may be subject to changes for logistical reasons relating to the activities. The student will be notified of any change as and when appropriate.

9. BIBLIOGRAPHY

Specific bibliography according the topic of the project.

10. EDUCATIONAL GUIDANCE AND DIVERSITY UNIT

From the Educational Guidance and Diversity Unit we offer support to our students throughout their university life to help them reach their academic achievements. Other main actions are the students inclusions with specific educational needs, universal accessibility on the different campuses of the university and equal opportunities.
From this unit we offer to our students:

1. Accompaniment and follow-up by means of counselling and personalized plans for students who need to improve their academic performance.
2. In terms of attention to diversity, non-significant curricular adjustments are made in terms of methodology and assessment for those students with specific educational needs, pursuing an equal opportunities for all students.
3. We offer students different extracurricular resources to develop different competences that will encourage their personal and professional development.
4. Vocational guidance through the provision of tools and counselling to students with vocational doubts or who believe they have made a mistake in their choice of degree.

Students in need of educational support can write to us at:
orientacioneducativa@universidadeuropea.es

11. ONLINE SURVEYS

Your opinion matters!

The Universidad Europea encourages you to participate in several surveys which help identify the strengths and areas we need to improve regarding professors, degree programs and the teaching-learning process.

The surveys will be made available in the “surveys” section in virtual campus or via e-mail.

Your assessment is necessary for us to improve.

Thank you very much for your participation.