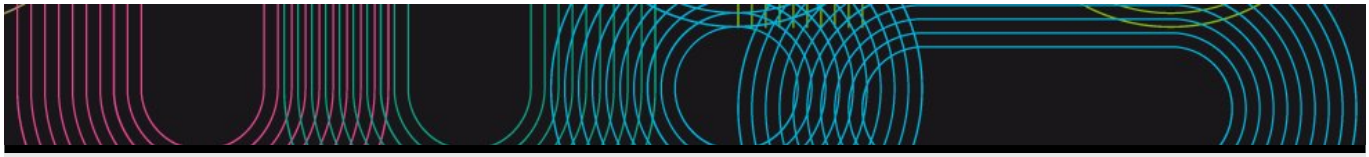

IDENTIFYING DATA				
Information management systems				
Subject	Information management systems			
Code	O07G410V01910			
Study programme	Grado en Ingeniería Aeroespacial			
Descriptors	ECTS Credits	Choose	Year	Quadmester
	6	Optional	4th	2nd
Teaching language	#EnglishFriendly Spanish Galician			
Department				
Coordinator	Otero Cerdeira, Lorena			
Lecturers	Otero Cerdeira, Lorena			
E-mail	locerdeira@uvigo.es			
Web	http://aero.uvigo.es			
General description	Introduction to companies information systems regarding their security and management tools. English Friendly subject: 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	
A2	That the students know how to apply their knowledge to their work or vocation in a professional way and that they possess the competences that are usually demonstrated through the elaboration and defense of arguments and the resolution of problems within their area of study
A3	That the students have the capability to gather and interpret relevant data (usually within their area of study) to issue judgments that include a reflection on relevant social, scientific or ethical issues
A5	That the students develop those learning capabilities necessary to undertake further studies with a high degree of autonomy.
C24	Appropriate knowledge applied to engineering: systems of aircrafts and automatic systems of flight control of the aerospace vehicles.
D11	Show motivation for quality with sensitivity towards subjects within the scope of the studies

Expected results from this subject	Training and Learning Results		
RA1: Understanding, application and analysis of information management systems in aerospace projects.	A2 A3 A5	C24	D11

Contents	
Topic	
Information	- Encryption - Storage - Processing - Usage
Information systems	- Information resources - Tools - Transmission of information - Analysis

Security	- Threats and Countermeasures - Cybersecurity - Data protection
Management	- Norms and Certification - Standards - Interoperability - Interfaces between applications

Planning			
	Class hours	Hours outside the classroom	Total hours
Lecturing	18	36	54
Case studies	20	30	50
Problem solving	11	25	36
Introductory activities	1	1.5	2.5
Essay questions exam	2.5	5	7.5

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

Methodologies	
	Description
Lecturing	Exhibition by the teaching staff of the contents on the subject under study, theoretical bases and / or guidelines of a work, exercise or project to be developed by the student.
Case studies	Analysis of a fact, problem or real event in order to know it, interpret it, solve it, generate hypotheses, contrast data, reflect, complete knowledge, diagnose it and train in alternative solution procedures.
Problem solving	Solve problems and / or exercises related to the subject. The student must develop a correct or correct solution and interpret the results.
Introductory activities	Activities aimed at organizing the subject, gathering sources of information, as well as presenting the content and time planning.

Personalized assistance	
Methodologies	**Description**
Problem solving	The tutorials will be carried out, preferably, by telematic means: email or through the personal office of the teaching staff on the remote campus of the university, within the teaching staff tutoring hours (published on the centre's website). It will be necessary to contact the teachers in advance by email to set the time for the tutoring.

Assessment					
	Description	Qualification	Training and Learning Results		
Case studies	Test in which the student must analyze a fact, problem or real event in order to know it, interpret it, solve it, generate hypotheses, contrast data, reflect, complete knowledge, diagnose it and train in alternative solution procedures. Learning outcomes assessed: RA1	10	A2 A3 A5	C24	D11
Problem solving	Periodic individual or group deliveries indicated by the teacher / who will serve as information on the progress of the student and will also be indicators of their attendance. Learning outcomes assessed: RA1	30	A2 A3 A5	C24	D11
Essay questions exam	Partial tests that include open questions about the content of the subject (none exceeds 40%). Students must develop, relate, organize and present the knowledge they have on the subject in a reasoned answer. Learning outcomes assessed: RA1	60	A2 A3 A5	C24	D11

Other comments on the Evaluation

General remarks:

The student will be able to choose the evaluation system that will be applied to the subject. For this, you must choose, in the first 15 days of the semester, between continuous assessment or exam-only assessment (a single exam at the end of the semester). If you do not specify the type of evaluation desired, it is understood that you opt for continuous evaluation.

The dates and times of the evaluation tests of the different calls are those specified in the evaluation tests calendar approved by the Faculty Board for the 2023-24 academic year.

Continuous assessment tests will be conducted within school hours.

General evaluation criteria:

To pass the subject, the student must obtain, as a final grade, a grade equal to or greater than 5. If in any of the blocks the student obtains a grade lower than 4, even if the average grade is equal to or greater than 5, the subject It will be suspended and the final grade that will appear in the minutes will be Suspense (4).

Evaluation criteria for attendees 1st call:

All students who choose the continuous assessment modality will be evaluated continuously by taking tests and activities, developed throughout the semester, applying the general evaluation criteria described in the previous section.

Evaluation criteria for non-attendees 1st call:

All students who opt for the non-attendance mode will be evaluated with a single final exam (100% of the grade) that will encompass everything seen throughout the semester, applying the general evaluation criteria described above. The student has the right to opt for the global assessment according to the procedure and the deadline established by the centre for each call.

Evaluation criteria for 2nd call and end of degree:

In the second opportunity (July) and in the end-of-degree call, students will be evaluated with a single final exam (100% of the grade) that will encompass all the seen throughout the semester, applying the general evaluation criteria described above. maintaining, if applicable, the qualifications obtained for problem solving, case studies, and / or exercises and attendance and participation.

Evaluated competences: the same as in the evaluation system for assistants. Evaluated learning outcomes: the same as in the evaluation system for assistants.

Sources of information

Basic Bibliography

Connolly, T.M.; Begg, C., **Sistemas de bases de datos: un enfoque práctico para diseño, implementación y gestión**, 4, Pearson Educación, 2005

Elena Ruiz Larrocha, **Nuevas tendencias en los sistemas de información**, Editorial Universitaria Ramón Areces, 2017

Complementary Bibliography

Recommendations

Subjects that it is recommended to have taken before

Computer science/O07G410V01104