Teaching Guide				
Identifying Data				2023/24
Subject (*)	Information Systems and Technologies		Code	710G03013
Study programme	Grao en Xestión Industrial da Moda			
Descriptors				
Cycle	Period	Year	Type	Credits
Graduate	1st four-month period	Second	Obligatory	6
Language	Spanish			
Teaching method	Face-to-face			
Prerequisites				
Department	Ciencias da Computación e Tecnoloxías da Información			
Coordinador	Rodriguez Luaces, Miguel	E-mail	miguel.luaces@udc.es	
Lecturers	Gómez Brandón, Adrián Rodriguez Luaces, Miguel	E-mail	adrian.gbrandon@udc.es miguel.luaces@udc.es	
Web				
General description	O obxectivo desta materia é coñecer a utilidade dos sistemas e a tecnoloxía da información nas empresas do sector textil, así como saber utilizar estos sistemas na práctica.			

Study programme competences	
Code	Study programme competences
A9	To master the logistics process of a fashion firm from a global perspective, from procurement to manufacturing and transportation, with a special focus on the typical textile industry processes: selection of materials and fabrics, patternmaking, manufacturing, etc, ?
A13	To know the impact of technology on the different processes of the textile industry
A19	To acquire the capacity to collect, select and analyse information flows; their integration in the information systems and processes of the firm; and their application to strategic and operational decision-making; always from an ethical perspective
B1	That students demonstrate that they acquired and understood knowledge in a study area that originates from general secondary education and that can be found at a level that, though usually supported by advanced textbooks, also includes aspects implying knowledge from the avantgarde of its field of study
B2	That students know how to apply their knowledge to their job or vocation in a professional form, and have the competencies that are usually demonstrated through elaboration and advocacy of arguments and problem resolution within their field of study
B3	That students have the capacity to collect and interpret relevant data (normally within their field of study) in order to issue judgements that include a reflection upon relevant topics in the social, scientific or ethical realm
B4	That students may convey information, ideas, problems and solution to the public, both specialized and not
B5	That students develop those learning skills that are needed to undertake ulterior studies with a high degree of autonomy
B6	Capacity for cooperation, team-work and collaborative learning in interdisciplinary settings
B8	Capacity to plan, organize and manage resources and operations
B9	Capacity to analyse, diagnose and take decisions
C1	Adequate oral and written expression in the official languages.
C2	Mastering oral and written expression in a foreign language.
C3	Using ICT in working contexts and lifelong learning.
C5	Understanding the importance of entrepreneurial culture and the useful means for enterprising people.
C7	Developing the ability to work in interdisciplinary or transdisciplinary teams in order to offer proposals that can contribute to a sustainable environmental, economic, political and social development.
C8	Valuing the importance of research, innovation and technological development for the socioeconomic and cultural progress of society.
C9	Ability to manage times and resources: developing plans, prioritizing activities, identifying critical points, establishing goals and accomplishing them.

Learning outcomes

Learning outcomes	Study programme competences		
Know the fundamentals of technology and information systems and understand how companies in the textile sector use technologies and information systems.	A9 A13 A19	B1 B2 B3 B4 B5 B6 B8 B9	C1 C2 C3 C5 C7 C8 C9
Know the functional and technical aspects of ERP systems and know how to use them to manage companies in the textile sector.	A9 A13 A19	B1 B2 B3 B4 B5 B6 B8 B9	C1 C2 C3 C5 C7 C8 C9
Knowing how to use document management systems to manage the knowledge of the company.	A9 A13 A19	B1 B2 B3 B4 B5 B6 B8 B9	C1 C2 C3 C5 C7 C8 C9
Know the fundamentals of technological surveillance in companies.	A9 A19	B1 B2 B3 B4 B5 B6 B8 B9	C1 C2 C3 C5 C7 C8 C9

Contents	
Topic	Sub-topic
Fundamentals of information systems	Hardware Communication Software Data, information and knowledge. Internet
Business information systems	Electronic commerce Enterprise Resource Planning (ERP) Decision support systems Document management systems
Management of company information systems	Technological surveillance Information Systems Development Informatic security

Present and future trends	Big data Artificial intelligence

Planning				
Methodologies / tests	Competencies	Ordinary class hours	Student?s personal work hours	Total hours
Guest lecture / keynote speech	A9 A13 A19 B1 B2 B3 B4 B5 B6 B8 B9 C1 C2 C3 C5 C7 C8 C9	21	0	21
ICT practicals	A9 A13 A19 B1 B2 B3 B4 B5 B6 B8 B9 C1 C2 C3 C5 C7 C8 C9	6	6	12
Supervised projects	A9 A13 A19 B1 B2 B3 B4 B5 B6 B8 B9 C1 C2 C3 C5 C7 C8 C9	24	72	96
Mixed objective/subjective test	A9 A13 A19 B1 B2 B3 B4 B5 B6 B8 B9 C1 C2 C3 C5 C7 C8 C9	0	21	21
Personalized attention		0		0
(*)The information in the planning table is for guidance only and does not take into account the heterogeneity of the students.				

Methodologies	
Methodologies	Description
Guest lecture / keynote speech	Consiste na exposición por parte do docente dos contidos da materia.
ICT practicals	Consiste na realización durante o periodo docente de prácticas relacionadas co contido da materia.
Supervised projects	Consiste na realización autónoma dun traballo relacionados co contido da materia, que se entregará ao remate do período lectivo.
Mixed objective/subjective test	Proba que integra preguntas tipo de probas de ensaio e preguntas tipo de probas obxectivas. En canto ás primeiras, recolle preguntas abertas de desenvolvemento; as segundas, poden combinar preguntas de resposta múltiple, de ordenación, de resposta breve, de discriminación, de completar e/ou de asociación

Personalized attention	
Methodologies	Description
ICT practicals Supervised projects	It is estimated that between the students there will be notable differences both in terms of their familiarity with concepts and computer thermos, and in singing more skills for or handling of computer hardware. By iso, it is foreseen to develop a personalized attention for the practices through ICT and for the supervised workers. Personalized attention will be developed individually by conducting audits using computer hardware and the Internet (email, Moodle or Teams).

Assessment			
Methodologies	Competencies	Description	**Qualification**
ICT practicals	A9 A13 A19 B1 B2 B3 B4 B5 B6 B8 B9 C1 C2 C3 C5 C7 C8 C9	Avaliarase a solución aplicada polos estudantes ao problema proposto e a interacción entre os membros do grupo	20

Mixed objective/subjective test	A9 A13 A19 B1 B2 B3 B4 B5 B6 B8 B9 C1 C2 C3 C5 C7 C8 C9	Proba escrita individual sobre contido teórico-práctico	40
Supervised projects	A9 A13 A19 B1 B2 B3 B4 B5 B6 B8 B9 C1 C2 C3 C5 C7 C8 C9	Avaliarase a calidade do traballo realizado	40

Assessment comments
FIRST OPPORTUNITY To pass the subject it is compulsory: A MINIMUM GRADE of 2 (out of 4) in supervised work. A MINIMUM GRADE of 2 (out of 4) in the mixed test. If the minimum mark is not obtained in the supervised works or in the mixed test, the maximum overall mark of the subject will not exceed 4.5. Any student who does not take the mixed test will have the qualification of NOT PRESENTED. SECOND OPPORTUNITY ONLY those students who do not pass the subject in the first opportunity will be able to appear to the second opportunity. The recovery of each of the parts will be done as follows: Tutored works (40% of the final mark): realization and presentation in the same conditions that in the first opportunity. Theoretical and practical written test (60% of the final grade): corresponds to the mixed test and the recovery of the grade from the case studies. If a student decides not to retake any of the parts, he / she will keep the grade obtained at the first opportunity in that part. Students with a grade lower than 2 in the supervised works in the first opportunity will have to recover them obligatorily in the second opportunity to pass the subject. To pass the subject it is mandatory to obtain a minimum grade of 2 out of 4 in the supervised work, and 3 out of 6 in the mixed test. Any student who does not opt ??for the recovery of any two parts will have the qualification of NOT PRESENTED. ACADEMIC DISPENSES Since attendance at face-to-face sessions is not mandatory, those students with part-time enrollment and academic exemption that exempt them from class attendance will have the same conditions as other students. ADVANCED OPPORTUNITY The second opportunity criteria will be used IMPLICATIONS OF PLAGIARISM Fraudulent conduct of tests or assessment activities, once verified, will directly involve a grade of ?0? in the subject at the appropriate opportunity.

Sources of information	
Basic	Stair, R., & Reynolds, G. (2013). Principles of information systems. Cengage Learning. ISBN: 9781305971776Gómez Vieites, Á., & Suárez Rey, C. (2011). Sistemas de información: herramientas prácticas para la gestión empresarial. Ra-Ma Editorial. ISBN 978-8499641225Sieber, S., Valor, J., & Porta, V. (2005). Los sistemas de información en la empresa actual. Aspectos Estratégicos y alternativas tácticas. McGraw-Hill. ISBN 978-8448140069Lardent, A. R. (2001). Sistemas de información para la gestión empresaria: procedimientos, seguridad y auditoría. Prentice-Hall. ISBN: 978-9879460436
Complementary	

Recommendations

Subjects that it is recommended to have taken before
Subjects that are recommended to be taken simultaneously
Subjects that continue the syllabus
Other comments

(*)The teaching guide is the document in which the URV publishes the information about all its courses. It is a public document and cannot be modified. Only in exceptional cases can it be revised by the competent agent or duly revised so that it is in line with current legislation.