



## Teaching Guide

Teaching Guide				
Identifying Data				2020/21
Subject (*)	Quality Management	Code	771G01044	
Study programme	Grao en Enxeñaría de Deseño Industrial e Desenvolvemento do Produto			
Descriptors				
Cycle	Period	Year	Type	Credits
Graduate	1st four-month period	Fourth	Optional	6
Language	Spanish			
Teaching method	Face-to-face			
Prerequisites				
Department	EconomíaEmpresa			
Coordinador	Domínguez Feijóo, Gerardo	E-mail	g.dominguez@udc.es	
Lecturers	Domínguez Feijóo, Gerardo Rey Ares, Lucía	E-mail	g.dominguez@udc.es lucia.rey.ares@udc.es	
Web	<a href="http://eudi.udc.es">http://eudi.udc.es</a>			
General description	<p>This course complements the content of other materials that are directly or indirectly related to economics and business management of the design.</p> <p>The main purpose of it is to equip students with the knowledge those needed to succeed in the field of Quality. To do this, it will release the concept of quality, its historical development, the current notion Assurance standards and quality management, the concept of security, ...</p>			
Contingency plan	<p>1. Modifications to the contents will not realise changes in the contents of the matter.</p> <p>2. Methodologies *Teaching methodologies that are maintained In the supposed case that it was necessary to give continuity to the academic activity through the no presencialidad, all the students enrolled in the said modality, will happen to be followed the matter in diet no face-to-face. For this, will enable the contents and planned sessions through the platforms of the Virtual Campus of the University, of agreement anyway with the conditions that the possible Resolutions Rectorales establish in each case. Equally the system of evaluation in this case will be no face-to-face, by what the presentations, deliveries of works and planned examinations will be no face-to-face in any one case. *Teaching methodologies that are modified do not modify the methodologies, just across the changes indicated in the previous section.</p> <p>3. Mechanisms for personalized attention to students will enable the contents and planned sessions through the platforms of the Virtual Campus of the University, at present, Email, Moodle, Teams, of agreement anyway with the conditions that the possible Resolutions Rectorales establish in each case.</p> <p>4. Modifications in the evaluation will not realise changes in the avaliación of the matter. *Evaluation observations: The student that had not followed the continuous evaluation along the cuatrimestre will be able to present to the second opportunity, in which it will realise a mixed proof, being the final note of the matter 80% of the note obtained in this proof.</p> <p>5. Modifications of the bibliography or webgraphy The bibliography will be facilitated by the professor along the course</p>			



Code	Study programme competences / results
A1	Aplicar o coñecemento das diferentes áreas involucradas no Plano Formativo.
A4	Traballar de forma efectiva como individuo e como membro de equipos diversos e multidisciplinares.
A8	Capacidade de usar as técnicas, habilidades e ferramentas modernas para a práctica da enxeñaría.
A10	Comprensión das responsabilidades éticas e sociais derivadas da súa actividade profesional.
B1	Capacidade de comunicación oral e escrita de maneira efectiva con ética e responsabilidade social como cidadán e como profesional.
B4	Traballar de forma colaborativa. Coñecer as dinámicas de grupo e o traballo en equipo.
B5	Resolver problemas de forma efectiva.
B7	Capacidade de liderado e para a toma de decisións.
B10	Capacidade de organización e planificación.
B12	Comprensión das responsabilidades éticas e sociais derivadas da súa actividade profesional
C4	Acting as a respectful citizen according to democratic cultures and human rights and with a gender perspective
C5	Understanding the importance of entrepreneurial culture and the useful means for enterprising people
C6	Acquiring skills for healthy lifestyles, and healthy habits and routines.
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.

Learning outcomes			
Learning outcomes	Study programme competences / results		
Collaborating with the different areas of the company involved in the design process and product development, in order to understand the need for the management and control of product quality and process	A1 A4 A8 A10	B1 B4 B5 B7 B10 B12	C4 C5 C6 C7 C8

Contents	
Topic	Sub-topic
Introduction to quality and safety	<ul style="list-style-type: none"> <li>- Fundamentals and previous concepts about quality. The importance of quality nowadays</li> <li>- Standardization, Certification and Accreditation</li> <li>- Quality vs. Security. The safety of industrial products</li> </ul>
Quality and its management	<ul style="list-style-type: none"> <li>- Implementation/certification of Quality Management Systems</li> <li>- The ISO 9000 Family of Standards</li> <li>- The Total Quality Management</li> <li>- Audit of Management Systems</li> </ul>
Quality and improvement	<ul style="list-style-type: none"> <li>- Tools for quality improvement</li> <li>- Analysis of the costs associated with quality</li> <li>- Quality control techniques applied to the field of design</li> </ul>

Planning				
Methodologies / tests	Competencies / Results	Teaching hours (in-person & virtual)	Student?s personal work hours	Total hours
Guest lecture / keynote speech	A1 A10 B10 B12 C4 C5 C6 C7	41	82	123
Supervised projects	A4 B1 B4 B7 C5 C8	0	23	23
Mixed objective/subjective test	A8 B5	1	0	1



Personalized attention		3	0	3
(*)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	Oral presentation complemented with the use of media and the introduction of some questions to the students, in order to spread knowledge and facilitate learning.
Supervised projects	Methodology designed to promote independent learning of students under the teacher's supervision in various scenarios (academic and professional).
Mixed objective/subjective test	It integrates different type of questions; namely, essay questions and objective test questions. Essay questions involve open-response questions, while objective questions can combine multiple-choice questions, short-answer, discrimination, complete and/or association questions.

Personalized attention	
Methodologies	Description
Supervised projects Guest lecture / keynote speech Mixed objective/subjective test	Personal attention consists in conducting tutorials, individually and in group, which will be raised in greater detail the work supervised and monitored them will take place. The tutorials will also be used to resolve and clarify any doubt in relation to the course, so of form presencial how in not presencial through the platforms of Virtual Campus of the University.

Assessment			
Methodologies	Competencies / Results	Description	Qualification
Supervised projects	A4 B1 B4 B7 C5 C8	Supervised academic work to be performed by the student are: TASK 1: "WORLD OF MARKS/QUALITY STAMPS" In this academic work the conceptual framework and characteristics of a series of marks/quality stamps will be required. TASK 2 The 2nd academic work will focus on different aspects of the subject proposed by the teacher that that students must delve in greater detail.	55
Mixed objective/subjective test	A8 B5	In addition, all students must take the final exam to finish the semester in which the knowledge gained by them in relation to the concepts discussed will be evaluated. The final exam will consist of a set of test questions.	45
Others			

Assessment comments



The exam grade will weigh 55% of the final grade, it will be taken into account from 3.5 points onwards, and the work and participation will weigh the remaining 45%. The ?Students with recognition of dedicación in time partial and metes out academic of exemption of assistance? will communicate to the start of the course his situation the professors of the subject, second establishes the "Norm that regulates the regime of dedicación to the study of the students of degree in the UDC? (Art.3.b And 4.5) and the ?Norms of evaluation, review and claim of the qualifications of the studies of degree and mestrado university? (Art. 3 and 8b).

The students in this situation will be asses in the date approved by the School, by means of join objective proof envelope the contents of the step 3 of the Guide, and a work to consensus with the professors of the subject.

### Sources of information

<b>Basic</b>	O listado da bibliografía actualizada que se utilizará como apoio nesta materia facilitarase ao alumnado ao inicio de cada curso académico.
<b>Complementary</b>	

### Recommendations

#### Subjects that it is recommended to have taken before

#### Subjects that are recommended to be taken simultaneously

#### Subjects that continue the syllabus

Economic and Business Aspects of Design/771G01033

Regulations and Legislation/771G01035

Industrial Logistics/771G01045

#### Other comments

?To help to achieve some immediate surroundings sustained and fulfil with the aim of the action number 5: ?Teaching and investigation healthy and sustentable environmental and social? of the "Plan of Action Green Campus Ferrol":1. The delivery of the documentary works that realize in this subject:1.1. They will request in virtual format and/or informatic support1.2. They will realize through Moodle, in digital format without need to print them1.3. In case to be necessary to realize them in paper:- Will not employ plastic.- Will realize impressions to double face.- Will employ paper recycled.- Will avoid the impression of drafts.2. It has to have in account the importance of the ethical principles related with the values of the sostenibilidad in the personal and professional behaviours

(\*)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.