Teaching Guide				
Identifying Data				2020/21
Subject (*)	Industrial Design		Code	630G02054
Study programme	Grao en Estudos de Arquitectura			
Descriptors				
Cycle	Period	Year	Type	Credits
Graduate	2nd four-month period	Fifth	Optional	6
Language	Spanish			
Teaching method	Face-to-face			
Prerequisites				
Department	Proxectos Arquitectónicos e UrbanismoProxectos Arquitectónicos, Urbanismo e Composición			
Coordinador	Vidal Pérez, Francisco José	E-mail	francisco.vidal@udc.es	
Lecturers	Martinez Raído, Jose Luis Vidal Pérez, Francisco José	E-mail	jose.luis.martinez.raido@udc.es francisco.vidal@udc.es	
Web				
General description	O obxectivo do curso é introducir ao alumno no vínculo tradicional entre o arquitecto e o deseño industrial. O curso achégase á disciplina do deseño industrial e a figuras de arquitectos que desenvolveron unha actividade profesional relevante neste campo. Os contidos teóricos da materia apoian as prácticas de deseño industrial de obxectos. Coméntase a historia do moble; o material no proceso de deseño (madeira, vidro, aceiro); solucións con ensambles, parafusos e encolados; ergonomía no deseño.			
Contingency plan	1. Modifications to the contents 2. Methodologies *Teaching methodologies that are maintained *Teaching methodologies that are modified 3. Mechanisms for personalized attention to students 4. Modifications in the evaluation *Evaluation observations: 5. Modifications to the bibliography or webgraphy			

Study programme competences / results	
Code	Study programme competences / results
A1	"Ability to apply graphical procedures to the representation of spaces and objects (T) "
A2	Ability to conceive and represent the visual attributes of objects and master proportion and drawing techniques, including digital ones (T)
A3	Knowledge of spatial representation systems and projections adapted and applied to architecture
A4	Knowledge of the analysis and the theory of form and the laws of visual perception adapted and applied to architecture and urbanism
A17	Ability to apply technical and construction standards and regulations
A26	Adequate knowledge of the physical and chemical characteristics, production procedures, pathology and use of building materials
A27	Adequate knowledge of industrialized building systems
A48	Adequate knowledge of general theories of form, composition and architectural types
A50	Adequate knowledge of the methods of studying the processes of symbolization, practical functions and ergonomics
A52	"Adequate knowledge of ecology, sustainability and the principles of conservation of energy and environmental resources. "
A53	Adequate knowledge of the architectural, urban and landscape traditions of Western culture, as well as their technical, climatic, economic, social and ideological foundationsxicos.

A54	Adequate knowledge of aesthetics and theory and history of fine arts and applied arts
A55	Adequate knowledge of the relationship between cultural patterns and social responsibilities of the architect
A67	Coñecemento avanzado de aspectos específicos da materia de Proxectos no contemplados expresamente na Orde EDU/2075/2010
B1	Students have demonstrated knowledge and understanding in a field of study that is based on the general secondary education, and is usually at a level which, although it is supported by advanced textbooks, includes some aspects that imply knowledge of the forefront of their field of study
B2	Students can apply their knowledge to their work or vocation in a professional way and have competences that can be displayed by means of elaborating and sustaining arguments and solving problems in their field of study
B3	Students have the ability to gather and interpret relevant data (usually within their field of study) to inform judgements that include reflection on relevant social, scientific or ethical issues
B4	Students can communicate information, ideas, problems and solutions to both specialist and non-specialist public
B5	Students have developed those learning skills necessary to undertake further studies with a high level of autonomy
B6	Knowing the history and theories of architecture and the arts, technologies and human sciences related to architecture
B7	Knowing the role of the fine arts as a factor that influences the quality of architectural design
B11	"Knowing the industries, organizations, regulations and procedures involved in translating design concepts into buildings and integrating plans into planning "
B12	Understanding the relationship between people and buildings and between these and their environment, and the need to relate buildings and the spaces between them according to the needs and human scale
C1	Adequate oral and written expression in the official languages.
C3	Using ICT in working contexts and lifelong learning.
C4	Exercising an open, educated, critical, committed, democratic and caring citizenship, being able to analyse facts, diagnose problems, formulate and implement solutions based on knowledge and solutions for the common good
C5	Understanding the importance of entrepreneurial culture and the useful means for enterprising people.
C6	Critically evaluate the knowledge, technology and information available to solve the problems they must face
C7	Assuming as professionals and citizens the importance of learning throughout life
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		
Knowing the history of design	A48 A50 A53 A54 A55 A67	B1 B2 B3 B4 B5 B6 B7 B12	C1 C3 C4 C5 C6 C7 C8
Knowing the scale of objects	A1 A2 A3 A4 A50 A67	B2 B4 B5 B12	C6
Knowing physical characteristics	A1 A2 A17 A26 A67	B2 B4 B5	C6 C7 C8

Knowing manufacturing processes	A17 A26 A27 A67	B1 B2 B3 B4 B5 B11	C6 C7 C8
Being able to imagine these processes	A1 A2 A3 A4 A17 A67	B2 B4 B11	C6 C8
Understanding the social function of design and its usefulness	A50 A52 A54 A55	B2 B3 B4 B7	C4 C6 C8
Relating the industrial design with the architectural space	A1 A2 A3 A4 A27 A67	B2 B4 B7 B11 B12	C6 C7 C8
Become familiar with the design and its qualities intuitively	A4 A48 A50 A53 A54 A67	B2 B3 B4 B5 B6 B7	C4 C6 C7 C8

Contents	
Topic	**Sub-topic**
historia do moble o material no proceso do deseño madera, vidro, aceiro solucións con ensambles, parafusos e encolados o espacio da arquitectura e os pequenos obxectos ergonomia na utilización do deseño	varieties of solutions

Planning				
Methodologies / tests	**Competencies / Results**	**Teaching hours (in-person & virtual)**	**Student?s personal work hours**	**Total hours**
Directed discussion	A3 A4 A17 A50 A52 A53 A55 B1 B2 B3 B4 B7 B12 C1 C3 C4 C5 C6 C7 C8	50	0	50
Guest lecture / keynote speech	A26 A27 A48 A50 A52 A53 A54 A55 B6 B11 B12 C6 C7 C8	25	50	75

Mixed objective/subjective test	A1 A2 A3 A4 A17 A26 A27 A48 A50 A52 A53 A54 A55 A67 B1 B2 B3 B4 B5 B6 B7 B11 B12 C1 C3 C4 C5 C6 C7 C8	2	6	8
Field trip	A67 B2 B3 B4 B11 C8	12	0	12
Personalized attention		5	0	5
(*)The information in the planning table is for guidance only and does not take into account the heterogeneity of the students.				

Methodologies	
Methodologies	Description
Directed discussion	corrección de traballos
Guest lecture / keynote speech	relación de métodos
Mixed objective/subjective test	técnica e teoría
Field trip	visitas a carpinterías de madeira, metálicas, etc.

Personalized attention	
Methodologies	Description
Mixed objective/subjective test Directed discussion Guest lecture / keynote speech Field trip	

Assessment			
Methodologies	Competencies / Results	Description	Qualification
Mixed objective/subjective test	A1 A2 A3 A4 A17 A26 A27 A48 A50 A52 A53 A54 A55 A67 B1 B2 B3 B4 B5 B6 B7 B11 B12 C1 C3 C4 C5 C6 C7 C8	Analizase a aprendizaxe persoalizada, evaluando o traballo final presentado e a proba presencial, conformando a sua puntuación un total do 60% da calificación. O traballo final representará o 40% e proba presencial suporá o 20%, sumando entre os dous o total do 60%.	60
Directed discussion	A3 A4 A17 A50 A52 A53 A55 B1 B2 B3 B4 B7 B12 C1 C3 C4 C5 C6 C7 C8	Puntuase o progreso e a evolución das propostas, así como o oficio que se vai adquirindo.	40
Others			

Assessment comments
la puntuación definitiva se realiza al valorar el trabajo final. Al finalizar el curso el alumno tiene una capacidad determinada que ha de ser satisfactoria.

Sources of information	
Basic	
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
Recoméndase un certo interese no deseño de mobles e obxectos relacionados coa arquitectura

(*)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.