Teaching Guide				
Identifying Data				2024/25
Subject (*)	Architectural Design 5		Code	630G02021
Study programme	Grao en Estudos de Arquitectura			
Descriptors				
Cycle	Period	Year	Type	Credits
Graduate	2nd four-month period	Third	Obligatory	6
Language	SpanishGalicianEnglish			
Teaching method	Face-to-face			
Prerequisites				
Department	Proxectos Arquitectónicos, Urbanismo e Composición			
Coordinador	Pedros Fernandez, Oscar		E-mail	oscar.pedros@udc.es
Lecturers	Crespo Gonzalez, Cristobal Martinez Raído, Jose Luis Mesejo Conde, Mónica Pedros Fernandez, Oscar Prieto López, Juan Ignacio		E-mail	cristobal.crespo@udc.es jose.luis.martinez.raido@udc.es monica.mesejo@udc.es oscar.pedros@udc.es juan.prieto1@udc.es
Web	dpauc.udc.es/			
General description	This subject is designed to consolidate each student's individual methodology to approach the project, allowing them to verify how the launch of the project under a disciplinary and conceptual perspective is useful to cope with diverse programs, both in scale and complexity. This semester will emphasize the role of the building concerning landscape and environment. Mutual influence between the built and its surroundings is considered, under conditions ranging from intervention in a consolidated urban set of heritage value, to new developing areas in the urban fringe. Likewise, students will work on the concepts of collective uses, common and relationship spaces and privacy conditions, circulations, accesses and meeting spaces, aspects of representativeness and image, character of outdoor spaces, pavements, landscaping , courtyards and inner patios, lighting, etc.			

Study programme competences / results	
Code	Study programme competences / results
A34	Ability to design, implement and develop sketches and drafts, concept designs, developed designs and technical designs (T)
A37	Ability to develop functional programs for buildings and urban spaces (T)
A38	"Ability to take part in the preservation, restoration and renovation of the built heritage (T) "
A39	Ability to remove architectural barriers (T)
A40	Ability to practise architectural criticism
A46	Ability to apply standards and urban regulations
A51	Adequate knowledge of the methods of studying the social requirements, living conditions, habitability and basic housing programmes
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.
A55	Adequate knowledge of the relationship between cultural patterns and social responsibilities of the architect
A56	Adequate knowledge of the foundations of vernacular architecture
A57	Adequate knowledge of urban sociology, theory, economics and history
A58	Adequate knowledge of the methodological foundations of territorial, metropolitan and urban planning.
A63	Development, presentation and public review before a university jury of an original academic work individually elaborated and linked to any of the subjects previously studied
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
B9	Understanding the problems of the structural design, construction and engineering associated with building design and technical solutions
B10	Knowing the physical problems, various technologies and function of buildings so as to provide them with internal conditions of comfort and protection against the climate factors in the context of sustainable development
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		
Upon passing this subject, the student must be able to: - Know how to handle material tools of a certain complexity and strengthen their cultural and intellectual arguments in order to undertake the ideation and development of a medium-scale and complex architectural project. - Know how to relate the different scales of analysis and concretion of the project, from the urban to the detail, including elements of constructive definition, such as finishes and enclosures, and design and structural definition. - Be able to develop adequate technical documentation for a project of medium complexity and scale, indicating with precision its formal configuration, its material, constructive, structural and facilities aspects, taking into account aspects of technical and urban regulations. - Apply conditioning systems taking into account technical regulations and criteria related to sustainability, passive energy responses and optimization of energy resources.	A34 A37 A38 A39 A40 A46 A51 A52 A53 A55 A56 A57 A58 A63	B1 B2 B3 B4 B5 B6 B9 B10 B12	C1 C3 C4 C5 C6 C7 C8

Contents	
Topic	Sub-topic

TOPIC 1 - METHODOLOGY OF THE PROJECT II	- Organizational tools. Program and structure - Cultural tools. Tradition, history and culture of the place. - Building and environment: energy and passive conditioning. - The collective use. Spaces for relationship and meeting. - Processing inner spaces. Material, color, lighting. - Processing outdoor spaces. Pavements, gardening, courtyards.
TOPIC II - ARCHITECTURE AND THE CITY	- Public and institutional architecture. - Architecture and heritage. The historic city. The inherited towns. - Architecture and landscape. Physical and cultural environment. - Architectural language. Materiality and structure
TOPIC III - INTRODUCTION TO PROJECT REGULATIONS II	- Conditioning of spaces. Lighting, ventilation, systems. - Technical facilities in buildings. - Fire safety and evacuation infrastructures. - Heritage, restoration and architectural intervention.
EXERCISE 1 - BLUEPRINT PROJECT	- Urban analysis. - Project of an urban facility or building with structural relevance in an unconsolidated environment. - Development of the materiality of the proposal: construction and structure.

Planning				
Methodologies / tests	Competencies / Results	Teaching hours (in-person & virtual)	Student?s personal work hours	Total hours
Introductory activities	A58 B5 B6 C6	2	0	2
Document analysis	A37 A40 B1 B3	0	8	8
Collaborative learning	B4 C1 C3	4	8	12
Directed discussion	B1 B4 C1 C3 C4	5	0	5
Diagramming	A34 A37 A58 B3 B4	0	8	8
Workshop	A34 A37 A38 A39 A46 A51 A52 A53 A63	15	18	33
Guest lecture / keynote speech	A56 A57 B9 B10 B12 C8	15	0	15
Supervised projects	A34 A38 A46 A52 A55 B9 C6	14	20	34
Objective test	A53 A55 A57 B6 C3	1	0	1

Events academic / information	A34 A51 A53 A55 A57 B5 B6 B12 C1 C4 C7 C8	8	0	8
Student portfolio	A34 A37 A38 A39 A46 A51 A52 A55 A56 A58 A63 B2 B4 B5 B9 B10 B12 C3 C4 C5 C7 C8	0	20	20
Personalized attention		4	0	4
(*)The information in the planning table is for guidance only and does not take into account the heterogeneity of the students.				

Methodologies	
Methodologies	**Description**
Introductory activities	In the first classes of this course, different tests will be posed to students in order to know their level of architectural expression. These tests will be done in the classroom.
Document analysis	Before starting the development work material in the Workshop, will proceed to the analysis of documentary sources related to the theme by using audiovisual documents, bibliographical, documentary reports, graphic panels, photographs, models, articles, informational texts , applicable regulations, etc.. The so formed groups (teacher - student) analyze the available documentation and complete it, producing a synthesis of various documentary sources. This analysis is complemented with interventions and architecture professionals from other fields, to be invited to conduct talks and discussions with development of specific issues and personal experiences.
Collaborative learning	Students are divided into small working groups, in which they work together to solve the tasks assigned by the teacher. The group is organized to obtain and elaborate the information and share it (analysis of the plot, finding examples of regulations, general construction site layout, data or in situ measurements, infographic treatment documentation obtained, etc..). This work is guided by the teacher. Its objective is to optimize both individual and group learning.
Directed discussion	Both the group and the individual works are exposed in public, to encourage group members to intervene in their own and others' creative process in a free, informal and spontaneous context.
Diagramming	The data obtained in the analysis, as well as the intentions of the project, will be expressed in simplified graphic form in the early stages of each job. These are the phases of background information and draft.
Workshop	Projects are developed by combining different methodologies and tests: attending exhibitions and lectures, by discussion of specific problems of the program, etc. The student works mainly on practical tasks in each exercise, always under the support and supervision of teachers.
Guest lecture / keynote speech	Expository teaching is organized around subject content. Periodically, conferences and / or exhibitions related to the topic at hand in each year will be held, in which the rapporteur will present orally and / or graphical information to students.
Supervised projects	It is intended to promote the autonomous learning of students, under the guidance of the teacher. It refers to the learning of "how to do things"; it is the student who assumes responsibility for his training.
Objective test	There will be an objective test on the contents presented in the expository sessions, which configure the theoretical and normative framework of the subject.
Events academic / information	- Attendance at cultural events: Activities carried out by students that involve attendance and/or participation in scientific and/or informative events (congresses, conferences, symposiums, courses, seminars, conferences, exhibitions, etc.), indicated by the teaching staff as part of the teaching content, with the aim of deepening the knowledge of study topics related to the subject. - Participation in exhibitions and/or publications: Preparation of summary materials of the work carried out on the subject for publication and/or public exhibition.
Student portfolio	As a result of their work at the end of the semester, each student will have developed its own portfolio, accessible through the Moodle teaching platform. This document, elaborated through the group sessions and the workshop, will serve as a basis for personnel qualification and student curriculum vitae.

Personalized attention	
Methodologies	**Description**

Workshop Directed discussion Events academic / information Supervised projects Student portfolio	Students will receive personalized attention by their group's teacher, concerning the work developed in the subject and in the Workshop. In the Workshop students will also be able to comment and get critical revision by the teachers of other subjects and groups, to compare opinions and criteria and confront them with their own. The student's portfolio will be discussed through periodical and personalized reviews, to observe its evolution and verify its authorship. Specific conditions related to mobility for outgoing and incoming students: - This subject foresees exclusively on-going assessment for all students, even for those in mobility programs, under similar requirements of evaluation and attendance. Specific attention may be provided to incoming students for linguistic reasons or obvious differences between the schools of origin and destination.

Assessment			
Methodologies	Competencies / Results	Description	**Qualification**
Events academic / information	A34 A51 A53 A55 A57 B5 B6 B12 C1 C4 C7 C8	Attendance at cultural events and participation in exhibitions and/or publications indicated by the teaching staff of the subject as part of the teaching content of the course, may become part of the content of the expository teaching, and thus form part of the student evaluation.	5
Objective test	A53 A55 A57 B6 C3	The instrumental knowledge contained in the expository teaching syllabus of the course will be evaluated through an objective test.	5
Student portfolio	A34 A37 A38 A39 A46 A51 A52 A55 A56 A58 A63 B2 B4 B5 B9 B10 B12 C3 C4 C5 C7 C8	The final result of the work carried out in the subject will be reflected in the student's personal portfolio, available and accessible through the Moodle teaching platform. The results are evaluated, but through a tutored and guided teaching process, where the student's personal effort and intellectual evolution must be reflected in the final documentation.	90

Assessment comments

To pass the course, the student must meet the following requirements:
1- Submit all proposed works, within the time limits and by correct means. 2- Attend classes and workshop on a regular basis. (A minimum attendance of 80% is required)
Students in any of the following circumstances will be considered as ABSENT:
1. By not submitting works in scheduled terms, or incomplete. Works not matching the documentation required in the workshop shall be considered as incomplete.
2. Not complying the minimum attendance requirements.
3. Not attending the final test exam.
NOTE: TO BE ABLE TO PASS THE SUBJECT, THE FOLLOWING MINIMUM GRADES WILL BE REQUIRED: 3 POINTS IN THE OBJECTIVE TEST AND 4 POINTS IN EACH ONE OF THE WORKS TO BE EVALUATED.
In accordance with the contents of the Architectural Bachelor's Degree memory, a Workshop Evaluation Board may be convened to analyze the overall results of the Workshop and decide, where appropriate, on specific cases of students? evaluation.
In accordance with the memory of the Degree in Architecture, students who do not overcome this subject within the two opportunities of each call, must attend the Workshop the following year. The tests of the different opportunities will allow students to complete and/or totally or partially modify the works presented in the Workshop, in
order to pass the subject.
PART TIME. Dedication measures for part-time students: not considered, as in this subject the workshop is the fundamental methodology.
Academic Exemption from Attendance Waiver. It is not considered, as in this subject the workshop is the fundamental methodology.
PLAGIARISM. The detection of plagiarism, as well as the fraudulent performance of tests or evaluation activities, once verified, will directly imply the qualification of FAIL "0" in the subject in the corresponding call, thus invalidating any qualification obtained in all the evaluation activities of facing the extraordinary call.

Sources of information	
Basic	- VVAA (2007). Normas do hábitat galego. http://igvs.xunta.es/ipecos-opencms-portlet/export/sites/default/PortalVivenda/Biblioteca/normashabi - VVAA (2010). Código Técnico de la Edificación. http://www.codigotecnico.org/web/recursos/documentos/ - VVAA (2008). Un complejo hotelero en Randan. A Coruña, UDC - VVAA (2009). Escuela de música y albergue en St. Klara, Regensburg. A Coruña, UDC - VVAA (2007). La plaza de Pontevedra y el frente marítimo del Orzán. A Coruña, UDC - PROYECTOS III (Plan Antiguo) (). IACOBUS: Rehabilitación del Patrimonio Europeo. http://blogiacobus.wordpress.com/ - AUGÉ, Marc (). Los no lugares. Gedisa - ZUMTHOR, Peter (). Thinking architecture. Birkhäuser - ASCHNER ROSELLI, Juan Pablo (2009). ¿Cómo concebir un proyecto arquitectónico?. deArq (Revista digital) num. 05 - TANIZAKI, Junichiro (1933). El elogio de la sombra. Siruela - NEUFERT, Ernst (2007). Arte de Proyectar en Arquitectura. Barcelona, G.G. - DAZA CAICEDO, Ricardo (2008). Buscando a Mies. Barcelona: ACTAR - PEDRÓS FERNÁNDEZ, Óscar (2020). El Motor de los Sueños. Diez momentos en la génesis del proyecto arqutiectónico. A Coruña: Labirinto de Paixóns - DEPLACES, Andrea (2010). Construir la arquitectura: del material en bruto al edificio. Barcelona: Gustavo Gili

Complementary	- TORRES TUR, Elías (2005). Luz cenital. Barcelona, Collegi d´Arquitectes de Catalunya - MONTEYS, X., FUERTES, P. (2001). Casa Collage. Barcelona, G.G. - KOOLHAAS, Rem (2007). Conversaciones con estudiantes. Barcelona, G.G. - DAZA, Ricardo (2000). Buscando a Mies. Barcelona, Actar Publishers - SLOTERDIJK, Peter (1998-2004). Esferas . Siruela - DELEUZE, Gille, GUATTARI, Félix (1994). Mil Mesetas. Capitalismo y esquizofrenia. Pre-textos - BANHAM, Reyner (1965). TEORIA Y DISEÑO ARQUITECTONICO EN LA ERA DE LA MAQUINA . Buenos Aires: Nueva Visión - BACHELARD, Gaston (). LA POETICA DE LA ENSOÑACION . Madrid: Fondo de Cultura Económica de España - BAÑA HEIM, José (1980). COSTA DE LA MUERTE. Historia y anecdotario de sus naufragios. A Coruña: Gráficas Venus

Recommendations
Subjects that it is recommended to have taken before
Construction 3/630G01022 Urban Planning 2/630G01024 Architectural Design 4/630G02016 Structures 2/630G02023
Subjects that are recommended to be taken simultaneously
Construction 4/630G01027 Urban Planning 3/630G01029 Structures 3/630G02028
Subjects that continue the syllabus
Architectural Design 6/630G02026
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.