UNIVERSIDADE DA CORUÑA

Teaching Guide				
Identifying Data				2020/21
Subject (*)	Architectural Design 8		**Code**	630G02036
Study programme	Grao en Estudos de Arquitectura			
Descriptors				
Cycle	**Period**	**Year**	**Type**	**Credits**
Graduate	1st four-month period	Fifth	Obligatory	9
Language	SpanishGalician			
Teaching method	Face-to-face			
Prerequisites				
Department	Proxectos Arquitectónicos, Urbanismo e Composición			
Coordinador	Sabin Diaz, Patricia	**E-mail**	patricia.sabin@udc.es	
Lecturers	Carreiro Otero, Maria Concepción	**E-mail**	maria.carreiro@udc.es	
	Irisarri Castro, Jesús		j.irisarri@udc.es	
	Penela Fernández, Alfonso Carlos		alfonso.penela@udc.es	
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	Sabin Diaz, Patricia		patricia.sabin@udc.es	
Web				
General description	The basic objective on which the subject is based is the development of projects in a complex urban environment, appropriately satisfying the compositional, spatial, technical and functional requirements of architectural and urban design. The decisions of a general nature and design of architectural pieces will be verified and related. As well as the different contributions of the workshop subjects for the improvement of the project in all its aspects.			
Contingency plan	In the event that there are exceptional circumstances that prevent the expected face-to-face teaching, considering the step of this non-face-to-face teaching modality based on the ICT support provided by the University. The ICT toolkit, made available by the University, will be used, especially the Moodle platform, Teams and the electronic mail for communication to the students. 1. Changes in content The contents are not modified 2. Methodologies The methodologies of the course are maintained, finding the non-presential teaching tools in those made available by the UDC. 3. Mechanisms for personalized attention to students. Teams, Moodle and other tools from the UDC. According to the academic calendar and schedule set by the center at the beginning of the course. 4. Modifications in the evaluation Those criteria that imply attendance and face-to-face teaching will be removed. This principle will be valid temporally from the moment there is an instruction to apply this Contingency Plan. The rest of the evaluation maintained. For students with justified difficulties it will be possible to find personalized and alternative solutions 5. Modifications of the bibliography or webgraphy. No modifications are made.			

Study programme competences	
Code	**Study programme competences**
A6	"Knowledge of graphic surveying techniques at all stages, from the drawing sketches to scientific restitution, adapted and applied to architecture and urbanism "
A8	"Knowledge of the principles of thermodynamics, acoustics and optics adapted and applied to architecture and urbanism "
A10	"Knowledge of basic topography, hypsometry, mapping and earthmoving techniques adapted and applied to architecture and urbanism "
A12	Ability to conceive, calculate, design, integrate in buildings and urban units and execute building structures (T)

A13	Ability to conceive, calculate, design, integrate in buildings and urban units and execute interior partition walls, carpentry, stairs and other finished work (T)
A16	"Ability to conceive, calculate, design, integrate in buildings and urban units and execute supply systems, water treatment and sewage, heating and air conditioning (T) "
A17	Ability to apply technical and construction standards and regulations
A34	Ability to design, implement and develop sketches and drafts, concept designs, developed designs and technical designs (T)
A35	Ability to design, implement and develop urban projects (T)
A36	Ability to design, implement and develop construction management (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) "
A41	Ability to solve the passive environmental conditioning, including thermal and acoustic insulation, climate control, energy efficiency and natural lighting (T)
A43	Ability to carry out safety projects, evacuation and protection in buildings (T)
A44	Ability to develop civil work projects (T)
A45	Ability to design and execute urban layouts and urbanization, gardening and landscape design projects (T)
A46	Ability to apply standards and urban regulations
A47	Ability to develop environmental, landscape and environmental impact correction studies (T)
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.
A58	Adequate knowledge of the methodological foundations of territorial, metropolitan and urban planning.
A60	Knowledge of the legal framework in terms of civil laws, administration, planning, construction and building industry according to the professional pratice
A61	Knowledge of feasibility analysis and the surveillance and coordination of integrated projects
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
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
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
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		
Ability to address the design of public space and its relationship with the architectural piece within the scale of neighborhood and urban sector, preparing the programs of needs appropriate to each situation.	A6 A8 A10 A12 A13 A16 A17 A34 A35 A36 A37 A38 A41 A43 A44 A46 A47 A52 A53 A58 A60 A61 A63	B2 B3 B4 B5 B9 B10 B11 B12	C1 C3 C4 C5 C6 C7 C8
Ability to give an objective and contextual architectural response to the public space and the threshold of the buildings, incorporating the gender perspective, accessibility and aspects of the Technical Code in relation to the conditions of approach to the building as the foundations of sustainability.	A6 A8 A10 A12 A13 A16 A17 A34 A35 A37 A38 A41 A45 A52 A53 A58 A60	B2 B3 B4 B5 B9 B10 B11 B12	C1 C3 C4 C5 C6 C7 C8

Ability to critically study and analyze the transition between public space and the object it surrounds as a means of continuous knowledge and training, in relation to the needs program, functional, technical and symbolic resolution aspects towards its users. The physical and temporal context of the case studies will have to be considered and put in relation to contemporary parameters of sustainability, gender perspective and biophilia.	A6 A8 A10 A12 A13 A16 A17 A34 A35 A36 A37 A38 A41 A43 A45 A46 A47 A52 A53 A58 A60	B2 B3 B4 B5 B9 B10 B11 B12	C1 C3 C4 C5 C6 C7 C8

Contents	
Topic	**Sub-topic**
The design of public space:	-Environmental and social impact of architectural and urban interventions -Advanced materials vs. traditional materials -Reduce, reuse and recycle: applications in the formulation of needs programs and architectural and urban design
Study and critical analysis of architectural projects: life in the city	-Case study 1. The public space project in the consolidated city. -Case study 2. Interstitial space in the diffuse city.
New programs and complex scales	-Equipment vs support infrastructure -The concept of public space in everyday life -Alternative uses. Public space as a response to a changing society.

Planning				
Methodologies / tests	**Competencies**	**Ordinary class hours**	**Student?s personal work hours**	**Total hours**
Guest lecture / keynote speech	A35	10	0	10
Student portfolio	A6 A10 A12 A17 A34 A35 A37 A38 A45 A46 A47 A52 A53 A58 A60 A63 B2 B3 B4 B5 B11 B12 C1 C3 C4 C8	18	1	19
Workshop	A8 A13 A16 A34 A35 A36 A41 A43 A44 A61 B9 B10 C5 C6 C7	195	0	195
Personalized attention		1	0	1
(*)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 to introduce the references and theoretical contributions in relation to the workshop methodology.
Student portfolio	Final course work in relation to the agreed presentation standards for the subject.
Workshop	Formative modality inherent to the objective, contextual and urban architectural project, which consists of face-to-face and non-contact hours Includes practical work, individual or group, individual and collective critical sessions, sharing, debates and comments, and preparation of works that develop studies of cases. In the classroom hours, the students will carry out the project work with the support and supervision of the teaching staff. In the non-contact hours, the resolution of the exercises proposed will be completed and advanced based on personal work and deepening in the comments and observations made in the classroom .

Personalized attention	
Methodologies	**Description**
Student portfolio Workshop	Individualized attention to students for the development of class and workshop work.

Assessment			
Methodologies	**Competencies**	**Description**	**Qualification**
Student portfolio	A6 A10 A12 A17 A34 A35 A37 A38 A45 A46 A47 A52 A53 A58 A60 A63 B2 B3 B4 B5 B11 B12 C1 C3 C4 C8	Entrega dun expediente con contidos mínimos en relación coas normas de presentación da materia, en cada un dos fitos establecidos segundo o calendario da materia (Previo / Entrega / Exame).	80
Workshop	A8 A13 A16 A34 A35 A36 A41 A43 A44 A61 B9 B10 C5 C6 C7	Desenvolvemento dos traballos do taller que varían de nivel de anteproxecto a básico, como se indica en cada caso. Todas as obras desenvolvidas no taller deben ser expostas en público mediante un tempo limitado nas distintas etapas de preparación. Pódense desenvolver en grupos (dúas persoas) ou individualmente, segundo indicacións específicas de cada traballo específico.	20

Assessment comments
In order to pass the subject it will be necessary to fulfill the following requirements: 1º Deliver all the works proposed within the deadlines and forms indicated in the subject. 2º Attend and correct regularly in classes and in the Workshop. Minimum assistance 80% and minimum correction will be required (those necessary for the correct performance of the exercise / s proposed). The student who is in any of the following circumstances will have the condition of NOT PRESENTED: 1º He does not meet the minimum attendance / correction required for classes and the Workshop. 2º Do not deliver the proposed works in a timely manner, or deliver them incomplete.Those works that do not contain the required documentation in all the subjects that make up the Workshop will be considered incomplete. NOTE: A MINIMUM GRADE WILL BE REQUIRED IN EACH OF THE TESTS COMPUTED IN THE EVALUATION TO PASS THE SUBJECT.The tests of the different opportunities (including 2nd opportunity) will allow the students to complete and modify all or part of the works presented, in order to pass the subject.

Sources of information

Basic	_Alexander, Christopher et alt. Un lenguaje de patrones. Barcelona: Gustavo Gili, 1980. _Apodaka Ostaikoetxea, Marije (coord.). Urbanismo inclusivo. Las calles tienen género. Vitoria: Servicio Central de Publicaciones del Gobierno Vasco, 2012. _Ashihara, Yoshinobu. El diseño de espacios exteriores. Barcelona: Gustavo Gili, 1982. _Berrizbeitia, Anita; Pollak, Linda. Inside outside, between architecture and landscape. _Bofill Levi, Anna. Guia per al planejament urbanístic i l´ordenació urbanística amb la incorporació de criteris de génere. Barcelona: Generalitat de Catalunya, 2008.Gloucester, (Massachussets): Rockport, 2003. _Cano, G. y Maestre, J.M. Tecnología y sociedad: ¿Por qué no llega el hogar digital? Informes de la Construcción, vol. 67, 538 (2015). _Carreiro Otero´, María y Cándido López González. Parametrizar y sistematizar o cómo incorporar la perspectiva de género en el urbanismo. ; Cervero Sánchez, N. y Hernández, Agustín. Remodelación, Transformación y Rehabilitación. Tres formas de intervenir en la vivienda social del siglo XX. Informes de la Construcción, vol. 67 (EXTRA-1): mo26 (2015). _COAC, Collegi d´Arquitectes de Catalunya (1990): Vivienda y ciudad. Concurso Internacional de Proyectos. Barcelona: COAC. _Eleb-Vidal, Monique et al. (1988): Penser l´habité, le logement en question. Lieja: Pierre Mordaga. Fernández, Roberto. ?Modos de hacer ciudad: proyecto y plan?, en Ciudades 3 (1996): 111-127. GALLARDO, Laura. ?Del no-lugar al lugar en el proyecto arquitectónico?. AUS (Valdivia) 14 (2013): pp. 5-10. _Gehl, Jan. La humanización del espacio urbano. Barcelona: Reverté, 2006. _Lion, Yves y François Leclerq (1985): ?Domus Demain, la Bande Active?. L´architecture d´Aujour d´Hui 252: 16-20. _López Candeira, José A. Tratamiento del espacio exterior. Madrid: Munilla-Leria, 2002. _López González,Cándido y María Carreiro Otero /eds. La casa. Piezas, ensambles y estrategias. Málaga: Recolectores Urbanos, 2016. _Lyndon, Donlyn. The Sea Ranch. New York: Princeton Architectural Press, 2004. _Marín Acosta, Flor Inés. ?La arquitectura escolar del estructuralismo holandés en la obra de Herman Hertzberger y Aldo van Eyck?, en Revista de Educación y Pedagogía (21) 54 (2009): 67-80. _Moore, Charles et al. La casa: forma y diseño. Barcelona: Gustavo Gili, 1976. _Paricio, Ignacio y Xavier Sust (1998): La vivienda contemporánea. Programa y tecnología. Barcelona: Institut de Tecnologia de la Construcció de Catalunya, IteC. _Sánchez de Madariaga, Inés. Urbanismo con perspectiva de género. Sevilla: Instituto Andaluz de la Mujer. Junta de Andalucía. _Sánchez de Madariaga, Inés. ?Infraestructuras para la vida cotidiana y la calidad de vida?. Valladolid: Ciudades: Revista del Instituto Universitario de Urbanística de la Universidad de Valladolid, 8 (2004): pp. 101-133. _Tejedor, J. 2015. Nuevo paradigma normativo sobre la ciudad: Retronando a la ciudad tradicional. Informes de la Construccion, 67 (EXTRA-1): mo22 _Zoppi, Mariella. Progettare con il verde. 2. Vuoti Urbani. 3ª reimp. Firenze: Alinea, 1997.
Complementary	_Molino, Sergio del. La España vacía. Turner, 2016. _Sennett, Richard. ?El confesor, el limosnero y el jardinero? en Sennett, Richard. Carne y piedra. El cuerpo y la ciudad en la civilización occidental. Madrid: Alianza Editorial, 1994, pp. 194-197.

Recommendations
Subjects that it is recommended to have taken before
Urbanism 4/630G02032
Architectural Design 7/630G02031
Architectural Design 6/630G02026
Subjects that are recommended to be taken simultaneously
Urbanism 5/630G02042
Subjects that continue the syllabus
Architectural Design 9/630G02041
Other comments