



Teaching Guide

Identifying Data					2018/19
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	Pedros Fernandez, Oscar	E-mail	oscar.pedros@udc.es		
Lecturers	Pedros Fernandez, Oscar Seara Morales, Santiago	E-mail	oscar.pedros@udc.es s.seara@udc.es		
Web					
General description					

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 foundations.
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 practice
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	Expressing themselves correctly, both orally and in writing, in the official languages of the autonomous region
C3	Using basic tools of information technology and communications (ICT) necessary for the exercise of the profession and for 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 entrepreneurship and knowing the means available to the entrepreneur
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	Assessing the importance of research, innovation and technological development in the socio-economic advance of society and culture

Learning outcomes

Learning outcomes	Study programme competences
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Capacidade de abordar o deseño do espazo público ea súa relación coa peza arquitectónica dentro da escala do barrio e do sector urbano, elaborando os programas de necesidades adaptadas a cada situación.	A6	B2	C1
	A8	B3	C3
	A10	B4	C4
	A12	B5	C5
	A13	B9	C6
	A16	B10	C7
	A17	B11	C8
	A34	B12	
	A35		
	A36		
	A37		
	A38		
	A41		
	A43		
	A44		
	A46		
	A47		
	A52		
	A53		
	A58		
A60			
A61			
A63			
Capacidade para dar resposta arquitectónica obxectiva e contextual ao espazo público e ao limiar dos edificios, incorporándose como fundamentos da sustentabilidade, perspectiva de xénero, accesibilidade e aspectos do Código Técnico en relación coas condicións de aproximación ao edificio.	A6	B2	C1
	A8	B3	C3
	A10	B4	C4
	A12	B5	C5
	A13	B9	C6
	A16	B10	C7
	A17	B11	C8
	A34	B12	
	A35		
	A37		
	A38		
	A41		
	A45		
	A52		
	A53		
	A58		
	A60		



Capacidade para estudar e analizar críticamente a transición entre o espazo público eo obxecto que o rodea como medio de coñecemento e formación continua, en relación cos aspectos do programa de necesidades, resolución funcional, técnica e simbólica cara aos seus usuarios. Deberá considerarse o contexto físico e temporal dos estudos de casos e estarán relacionados cos parámetros contemporáneos de sostibilidade, perspectiva de xénero e biofilia.	A6	B2	C1
	A8	B3	C3
	A10	B4	C4
	A12	B5	C5
	A13	B9	C6
	A16	B10	C7
	A17	B11	C8
	A34	B12	
	A35		
	A36		
	A37		
	A38		
	A41		
	A43		
	A45		
	A46		
	A47		
	A52		
	A53		
	A58		
A60			

Contents	
Topic	Sub-topic
O deseño do espazo público	<ul style="list-style-type: none"> -O impacto ambiental e social das intervencións arquitectónicas e urbanas -Materiais avanzados fronte a materiais tradicionais -Redución, reutilización e reciclaxe: aplicacións na formulación de programas de necesidades e deseño arquitectónico e urbano - As novas ferramentas conceptuais de análise e transformación da realidade: perspectiva de xénero, sostibilidade, biofilia
Novos programas e escalas complexas	<ul style="list-style-type: none"> - Infraestrutura de equipamento vs soporte -O concepto de espazo público na vida cotiá -Os usos alternativos. O espazo público como resposta a unha sociedade cambiante.
Estudo e análise crítica de proxectos arquitectónicos: a vida na cidade.	<ul style="list-style-type: none"> -Estudio dos casos 1. O proxecto de espazo público na cidade consolidada. -Estudio dos casos 2. Espazo intersticial na cidade difusa.

Planning				
Methodologies / tests	Competencies	Ordinary class hours	Student?s personal work hours	Total hours
Guest lecture / keynote speech	A35	10	0	10
Student portfolio	A63 A60 A58 A53 A52 A47 A46 A45 A38 A37 A35 A34 A17 A12 A10 A6 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	Presentación oral para introducir as referencias e as contribucións teóricas en relación coa metodoloxía do taller.
Student portfolio	Traballo de curso final en relación coas regras de presentación acordadas para a materia.
Workshop	<p>Modo formativo inherente ao proxecto arquitectónico obxectivo, contextual e urbano, que consiste en horas presenciais e non presenciais. Inclúe traballo práctico, individual ou colectivo, sesións críticas individuais e colectivas, comparticións, debates e comentarios, e preparación de estudos que desenvolven estudos. dos casos.</p> <p>Nas horas de clase o alumno desenvolverá o traballo do proxecto co apoio e supervisión do profesorado. Nas horas non presenciais completaráse o progreso na resolución dos exercicios derivados do traballo persoal e profundar os comentarios e observacións feitos na aula.</p>

Personalized attention	
Methodologies	Description
Student portfolio	Atención individualizada al alumnado para el desarrollo de los trabajos de taller
Workshop	

Assessment			
Methodologies	Competencies	Description	Qualification
Student portfolio	A63 A60 A58 A53 A52 A47 A46 A45 A38 A37 A35 A34 A17 A12 A10 A6 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	<p>Desenvolvemento dos traballos do taller que varían de nivel de anteprojecto a básico, como se indica en cada caso.</p> <p>Todas as obras desenvolvidas no taller deben ser expostas en público mediante un tempo limitado nas distintas etapas de preparación.</p> <p>Pódense desenvolver en grupos (dúas persoas) ou individualmente, segundo indicacións específicas de cada traballo específico.</p>	20

Assessment comments
<p>Para poder superar a materia, será necesario cumprir os seguintes requisitos: 1º Entregar todas as obras propostas nos termos e formularios indicados na materia.2º. Asistir a clases regularmente e no Taller.Será necesaria unha asistencia mínima do 80%.O alumno que teña algunha das seguintes circunstancias terá a condición de NON PRESENTADO: 1º Non cumpre coa asistencia mínima necesaria para as clases e o Taller.2º Non entregue os traballos propostos en forma e prazo, nin entregalos incompletos.As obras que non conteñan a documentación requirida en todas as materias que compoñen o Taller serán consideradas incompletas.NOTA: UNA CALIFICACIÓN MÍNIMA SERÁ DEMANDADA EN CADA UNHA DAS PROBAS COMPUTADAS NA AVALIACIÓN PARA SUPERAR O CURSO.As probas das diferentes oportunidades permitirá aos alumnos completar e modificar parcial ou totalmente os traballos presentados no Taller para superar a materia.</p>

Sources of information



<p>Basic</p>	<p>_Alexander, Christopher et alt. Un lenguaje de patrones. Barcelona: Gustavo Gili, 1980. _Apodaka Ostaiakoetxea, 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 urbanistic i l'ordenació urbanística amb la incorporació de criterios de género. 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. _Elb-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'Aujourd'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, ItC. _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 Construcción, 67 (EXTRA-1): mo22 _Zoppi, Mariella. Progettare con il verde. 2. Vuoti Urbani. 3ª reimp. Firenze: Alinea, 1997.</p>
<p>Complementary</p>	<p>_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.</p>

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

(*)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.