Teaching Guide					
Identifying Data					2017/18
Subject (*)	Architectural Design 1			Code	630G02001
Study programme	Grao en Estudos de Arquitectura				
Descriptors					
Cycle	Period	Year		Type	Credits
Graduate	2nd four-month period	First		Obligatoria	6
Language	SpanishGalicianEnglish				
Teaching method	Face-to-face				
Prerequisites					
Department	Proxectos Arquitectónicos, Urbanismo e Composición				
Coordinador	Carreiro Otero, Maria Concepción		E-mail	maria.carreiro@udc.es	
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Web					
General description	Architectural Projects 1 presents the design project as the solution to particular spatial and functional problems.				

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)
A39	Ability to remove architectural barriers (T)
A50	Adequate knowledge of the methods of studying the processes of symbolization, practical functions and ergonomics
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
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
B6	Knowing the history and theories of architecture and the arts, technologies and human sciences related to architecture
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	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 enterpreneur

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 / results		
Capacity to solve compositional design problems, taking different factors into account, being able to develop several options and choose the best result amongst them.	A50 A53 A55 A63	B6 B10 B12	C1 C8
The capacity to understand, assimilate and work out spatial relationships using different principles of composition, particularly those developed by artistic avant-gardes and those related to contemporary philosophical, scientific and artistic movements.	A34 A50 A55	B12	C7
The aptitude to depict accurately architectural elements as well as objects in relation to space. The ability to create a coherent link between architectural ideas and its materialisation.	A50 A55	B1 B2 B3	C3 C4 C6 C8
The capacity to present conclusions orally and explain proposals and the reasons behind them.	A63	B6	C1 C3
The competence to arrange compositions using platonic solid and elemental shapes. The aim is to build spatial relations that raise positive outcomes for people. The capacity to develop aesthetic sensitivity which designers need.	A34 A39	B10	C5

Contents	
Topic	Sub-topic
Object and context	- Anthropometric dimensions and environment - Composition - Architectural plan - Architectural section
Architectural object: circulation and disposal	- Object in the context: interior and external - Object as context: Tindaya - Stairs: shapes - Stairs: position
Object and place	- O debuxo do lugar. - A aproximación ao obxecto arquitectónico. os espazos intermedios. - A imaxe da cidade.

Planning				
Methodologies / tests	Competencies / Results	Teaching hours (in-person & virtual)	Student?s personal work hours	Total hours
Guest lecture / keynote speech	A50 A53 B10 B12 C1 C3 C4	11	11	22
Problem solving	A34 A39 C5 C8	0	14	14
Events academic / information	A55 B6 C6 C7	4	0	4
Student portfolio	B1 B2 B3	0	15	15
Workshop	A34 A39 A50 A55 A63 B1 B2 B3 B10 B12 C1 C5 C6 C8	45	45	90

Objective test	A63 B1 B2	4	0	4
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	The theoretical content delivered will help students to deal with the proposed works and to understand the learning aims. Workshop practices are introduced as well. It will explained and clarified the contents of work . Similarly, combined with group corrections developed exercises . Accreditation to attend the master class: sketches, design on a specific book (white pages). Non-contact hours : complete notes from the keynote peech with bibliographic consultations, graphic or textual nature , photos or sketches.
Problem solving	Students must take a problema solving in order to evaluate skills achieved.
Events academic / information	Sesións maxistrais impartidas por profesores invitados. Son complemento da docencia presencial.
Student portfolio	Caderno de apuntamentos gráficos, acompañados de aclaracións e esquemas da sesión maxistral, conferencias e eventos, notas de estudo e da realidade. Recomendar aplicar técnicas mixtas: apuntamentos e collage, de modo que se incorporen fotografías, copias, apuntamentos. Constitúe o fío condutor da aprendizaxe do alumno no cuadrimestre. Pode incorporar apuntamentos, debuxos, esquemas e notas doutras materias que contribúan a aclarar os aspectos inherentes ao feito proyectual.
Workshop	In workshop sessions diverse methods are merged to enhance learning (Individual and/or team work, presentations of the results, debates and analysis, as well as individualised tutoring). Students will develop design projects, helped by the teachers' support and guidance. The Design Workshop is planned for small groups. This workshop is the foundation of this subject. In the hour workshop , students develop their design work , with the support and supervision of teachers. Non-contact hours: students will review and complete their work. Accreditation workshop attendance : Delivery of work done in each weekly session.
Objective test	At the end of the academic period, students must take a practical test in order to evaluate skills achieved. Capacitiy and aptitudes in relation to the basics of architectural design are measured using this objective test. Practice test preparation : development of workshop activities , attendance at keynote sessions , graphic study of the works of architecture references in each of the workshop activities , review of the work itself .

Personalized attention	
Methodologies	**Description**
Workshop	WORKSHOP : Personalised attention is an inherent charactersitic of this subject. All the students will have every piece of work commented on, and assessed by the teacher, from the first sketches to the final results. They will present their designs orally and individually, and have them analysed by the teacher.

Assessment			
Methodologies	**Competencies / Results**	**Description**	**Qualification**

Workshop	A34 A39 A50 A55 A63 B1 B2 B3 B10 B12 C1 C5 C6 C8	Progressive, continuous and global assessment. Pass conditions are: 1. Students are expected to hand in every scheduled piece of work. There must be a positive progression in our evaluation of their work. 2. Students are expected to attend every workshop session. A minimum of 80% attendance is required. The assessment of the Design Workshop will take into account the student's personal work, supervised by the teacher. The student's final evaluation may be subjected to a Workshop Assessment Board's testing.	75
Guest lecture / keynote speech	A50 A53 B10 B12 C1 C3 C4	Compulsory attendance. Global assessment will not be possible without attending 85% of the classes. Lectures include theoretical content, giving exercises and appraisal sessions. All master classes are considered those in which theoretical contents , explanations of jobs and collective opinions are held , held in the time allocated to them. The keynote sessions will be recorded in a personal notebook that will be reviewed periodically.	1
Problem solving	A34 A39 C5 C8		13
Objective test	A63 B1 B2	A test will be held on site, within a timeframe. Compulsory to pass a subject. A minimun grade of 5 out of 10 is required in this test for an overall pass.pass.Assessment: court (the group of professors of the subject).	5
Events academic / information	A55 B6 C6 C7	Débese asistir ao 80% das sesións programadas.	1
Student portfolio	B1 B2 B3	Elaboración: non presencial. Pódense solicitar para a súa revisión aleatoriamente.	5

Assessment comments

General conditions to pass the course:

- Delivery of solving problems: 100%. a maximum of 20% delivered with a fortnight of delay with respect to the scheduled date.
- Assistance to scheduled conferences: 80%
- Portfolio of student: has to be adjusted to the content indicated in the methodology and evaluation.
- Working in the workshop (three hours per week): 80%

FINAL EVALUATION:
A. OPPORTUNITY JUNE is required:
comply with the general conditions of follow-up of the course and get in the objective test the minimum score: 5 on 10

B. OPPORTUNITY OF JULY.
B.1 comply with the general conditions of follow-up of the course and get in the objective test the minimum score: 5 On 10.

B.2- In the case of failure to comply with the general conditions of follow-up:
the minimum score on the objective test: 9 On 10. In any case, the final mark will be of 5.0.

Sources of information

Basic	- Roth, Leland (1999). Primera parte: los elementos de la arquitectura. Barcelona: Gustavo Gili - Unwin, Simon (2003). Análisis de la arquitectura. Barcelona: Gustavo Gili - Ching, Francis D.K. (2010). Arquitectura: forma, espacio y orden. Barcelona: Gustavo Gili - Carreiro Otero, María (coord. (2006). Catálogo de puestos de feria : proyectos 1 : curso 2005-2006 (grupo María Carreiro) . A Coruña (consulta en biblioteca ETSAC). - Bowkett, Steve (2014). Un libro de arquitectura para dibujar. Croquis. Para arquitectos de todas las edades. Barcelona: Coco Books - Zell, Mo (2009). Curso de dibujo arquitectónico: herramientas y técnicas para la representación bidimensional y tridimensional.. Barcelona: Acanto - Ching, Francis D. K. (1999). Dibujo y proyecto.. Barcelona: Gustao Gili - Carreiro Otero, María (2007). El pliegue complejo. La escalera. A Coruña: Netbiblo - Panero, Julius y Martin Zelnik (2006). Las dimensiones humanas en los espacios interiores.. Barcelona: Gustavo Gili - Carreiro Otero, María (2006). Los espacios cotidianos: la casa y el lugar. A Coruña: Universidade da Coruña (consultar Servicio de Reprografía. - Ching, Francis D. K. (2013). Manual de dibujo arquitectónico. Barcelona: Gustavo Gili - Carreiro, María et al. (2004). Proyectos 1. Curso 2003-2004. A Coruña: Universidade da Coruña (consultar Servicio de Reprografía) - Carreiro Otero, María (coord.) (2011). Proyectos 1. Diez lecciones.. A Coruña: Universidade da Coruña (consultar Servicio de Reprografía) - Carreiro Otero, María (2010). Siete escaleras. Siete casas. A Coruña: Netbiblo - Ching, Francis D. K. (2011). Una historia universal de la arquitectura: un análisis cronológico comparado a través de las culturas.. Barcelona: Gustavo Gili - Espegel, Carmen (2010). Aires modernos : E. 1027 : maison en bord de mer : Eileen Gray y Jean Badovici, 1926-1929 . Madrid: Mairea - Munari, Bruno (1997). ¿Cómo nacen los objetos?. . Barcelona: Gustavo Gili
Complementary	- (). .

Recommendations
Subjects that it is recommended to have taken before
Descriptive Geometry/630G02003 Introduction to Architecture/630G02005 Drawing in Architecture/630G02002
Subjects that are recommended to be taken simultaneously
Analysis of Architectural Forms/630G02007 Architectural Form Geometry/630G02014
Subjects that continue the syllabus
Construction 2/630G02020 Architectural Design 9/630G02041 Architectural Design 8/630G02036 Architectural Design 5/630G02021 Architectural Design 4/630G02016 Architectural Design 3/630G02011 Architectural Design 7/630G02031 Architectural Design 6/630G02026
Other comments

- Drawing skills are a fundamental tool for this subject, so it requires special attention in order to acquire the appropriate level.
- Knowledge of modern theories about the Arts, Philosophy, and Science are considered to be highly useful, as they were essential for the avant-garde architecture from the twentieth-century. Interest in the Arts, including cinema and music, will be helpful as well
-Required aptitudes are intellectual curiosity, talent for observation, abstract spatial awareness and sensitivity
- Manual dexterity to build scale models is needed, being able to work with common materials to express different architectural intentions (heaviness/lightness, transparency/opacity, mass/emptyness, contrast?) is also fundamental.