



Teaching Guide				
Identifying Data				2015/16
Subject (*)	Construcción 4	Code	630G02027	
Study programme	Grao en Estudos de Arquitectura			
Descriptors				
Cycle	Period	Year	Type	Credits
Graduate	2nd four-month period	Third	Obligatoria	6
Language				
Teaching method	Face-to-face			
Prerequisites				
Department	Construções Arquitectónicas			
Coordinador	Rodriguez Cheda, Jose Benito	E-mail	jose.benito.rodriguez.cheda@udc.es	
Lecturers	Redondo Porto, Alberto Rodriguez Cheda, Jose Benito Rodriguez Garcia, Enrique	E-mail	a.redondo@udc.es jose.benito.rodriguez.cheda@udc.es enrique.rodriguez.garcia@udc.es	
Web				
General description				

Study programme competences	
Code	Study programme competences
A12	Ability to conceive, calculate, design, integrate in buildings and urban units and execute building structures (T)
A15	Ability to conceive, calculate, design, integrate in buildings and urban units and execute foundation solutions (T)
A17	Ability to apply technical and construction standards and regulations
A18	Ability to maintain building structures, foundations and civil works
A20	Ability to assess the construction works
A21	Ability to maintain the structural work
A25	Adequate knowledge of conventional construction systems and pathology
A26	Adequate knowledge of the physical and chemical characteristics, production procedures, pathology and use of building materials
A27	Adequate knowledge of industrialized building systems
A31	Knowledge of methods of measurement, assessment and expert´s report
A32	Knowledge of the project of health and safety at the construction site
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
B7	Knowing the role of the fine arts as a factor that influences the quality of architectural design
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		
		A12	B1
	A15	B2	C3
	A17	B3	C4
	A18	B4	C5
	A20	B5	C6
	A21	B6	C7
	A25	B7	C8
	A26	B9	
	A27	B10	
	A31	B11	
	A32	B12	
	A63		
	A12	B1	C1
	A15	B2	C3
	A17	B3	C4
	A18	B4	C5
	A20	B5	C6
	A21	B6	C7
	A25	B7	C8
	A26	B9	
	A27	B10	
	A31	B11	
	A32	B12	
	A63		



	A12	B1	C1
	A15	B2	C3
	A17	B3	C4
	A18	B4	C5
	A20	B5	C6
	A21	B6	C7
	A25	B7	C8
	A26	B9	
	A27	B10	
	A31	B11	
	A32	B12	
	A63		

Contents	
Topic	Sub-topic

Planning				
Methodologies / tests	Competencies	Ordinary class hours	Student?s personal work hours	Total hours
Guest lecture / keynote speech	A12 A15 A17 A18 A20 A21 A25 A26 A27 A31 A32 A63 B1 B2 B3 B4 B5 B6 B7 B9 B10 B11 B12 C1 C3 C4 C5 C6 C7 C8	30	21	51



Supervised projects	A12 A15 A17 A18 A20 A21 A25 A26 A27 A31 A32 A63 B1 B2 B3 B4 B5 B6 B7 B9 B10 B11 B12 C1 C3 C4 C5 C6 C7 C8	30	39	69
Workbook	A12 A15 A17 A18 A20 A21 A25 A26 A27 A31 A32 A63 B1 B2 B3 B4 B5 B6 B7 B9 B10 B11 B12 C1 C3 C4 C5 C6 C7 C8	0	20	20
Objective test	A12 A15 A17 A18 A20 A21 A25 A26 A27 A31 A32 A63 B1 B2 B3 B4 B5 B6 B7 B9 B10 B11 B12 C1 C3 C4 C5 C6 C7 C8	6	0	6
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
Guest lecture / keynote speech	
Supervised projects	
Workbook	
Objective test	

Personalized attention	
Methodologies	Description
Supervised projects	
Objective test	

Assessment			
Methodologies	Competencies	Description	Qualification
Supervised projects	A12 A15 A17 A18 A20 A21 A25 A26 A27 A31 A32 A63 B1 B2 B3 B4 B5 B6 B7 B9 B10 B11 B12 C1 C3 C4 C5 C6 C7 C8		0
Workbook	A12 A15 A17 A18 A20 A21 A25 A26 A27 A31 A32 A63 B1 B2 B3 B4 B5 B6 B7 B9 B10 B11 B12 C1 C3 C4 C5 C6 C7 C8		0



Guest lecture / keynote speech	A12 A15 A17 A18 A20 A21 A25 A26 A27 A31 A32 A63 B1 B2 B3 B4 B5 B6 B7 B9 B10 B11 B12 C1 C3 C4 C5 C6 C7 C8		0
Objective test	A12 A15 A17 A18 A20 A21 A25 A26 A27 A31 A32 A63 B1 B2 B3 B4 B5 B6 B7 B9 B10 B11 B12 C1 C3 C4 C5 C6 C7 C8		0

### Assessment comments

### Sources of information

Basic

Complementary

### Recommendations

#### Subjects that it is recommended to have taken before

Instalacións 1/630G02030

Construción 2/630G02020

Construción 1/630G02010

Estruturas 3/630G02028

Proxectos 2/630G02006

Proxectos 3/630G02011

Construción 3/630G02022

Estruturas 1/630G02019

Estruturas 2/630G02023

#### Subjects that are recommended to be taken simultaneously

Teoría da Arquitectura/630G02025

Instalacións 2/630G02039

Proxectos 4/630G02016

Instalacións 3/630G02050

#### Subjects that continue the syllabus

Construción 6/630G02037

Construción 5/630G02033

### 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.