



Teaching Guide				
Identifying Data				2016/17
Subject (*)	Análise Arquitectónico 2	Code	630G01017	
Study programme	Grao en Arquitectura			
Descriptors				
Cycle	Period	Year	Type	Credits
Graduate	2nd four-month period	Second	FB	6
Language	SpanishGalicianEnglish			
Teaching method	Face-to-face			
Prerequisites				
Department	Representación e Teoría Arquitectónica			
Coordinador	Lizancos Mora, Plácido	E-mail	placido.lizancos@udc.es	
Lecturers	Lizancos Mora, Plácido	E-mail	placido.lizancos@udc.es	
Web				
General description	<p>ARCHITECTURAL ANALYSIS 2. METHODOLOGY PROJECT. THEORY OF ARCHITECTURE. ADVANCED ARCHITECTURAL ANALYTICAL TOOLS.</p> <p>The aim of this course focuses on the acquisition of skills and abilities for the representation of architecture, graphically and using descriptive models, allowing the student to approach the study of various aspects of architectural design, its relationship with the environment and the adequacy to the needs of users, acquiring specific skills of technical and design areas.</p>			

Study programme competences	
Code	Study programme competences
A4	PROGRAMACIÓN FUNCIONAL: aptitude ou capacidade para elaborar programas de edificios, considerando os requisitos de clientes e usuarios, analizando os precedentes e as condicións de localización aplicando estándares e establecendo dimensións e relacións de espazos e equipos.
A9	CRÍTICA ARQUITECTÓNICA: aptitude ou capacidade para analizar morfolóxica e tipoloxicamente a arquitectura e a cidade e para explicar os precedentes formais e programáticos das solucións proxectuais.
A10	REPRESENTACIÓN ESPACIAL: aptitude ou capacidade para aplicar, tanto manual como informaticamente, os sistemas de representación gráfica, dominando os procedementos de proxección e corte, os aspectos cuantitativos e selectivos da escala e a relación entre o plano e a profundidade.
A13	IDEACIÓN GRÁFICA: aptitude ou capacidade para concibir e representar graficamente a figura, a cor, a textura e a luminosidade dos obxectos e dominar a proporción e as técnicas de debuxo, incluídas as informáticas.
A34	FUNCIÓNS PRÁCTICAS E SIMBÓLICAS: comprensión ou coñecemento dos métodos de estudo dos procesos de simbolización da ergonómia e das relacións entre o comportamento humano, o entorno natural ou artificial e os obxectos, de acordo cos requirimentos e a escala humanos.
A35	SOCIOLOXÍA RESIDENCIAL: comprensión ou coñecemento dos métodos de estudo das necesidades e demandas sociais, dos compoñentes da calidade de vida, das condicións de habitabilidade e dos programas básicos de vivenda.
A36	SOCIOLOXÍA CULTURAL: comprensión ou coñecemento das implicacións que nas funcións e responsabilidades sociais do arquitecto ten as necesidades, valores, normas de conduta e de organización e patróns espaciais e simbólicos determinados pola pertenza a unha cultura.
A38	SISTEMAS DE REPRESENTACIÓN: comprensión ou coñecemento dos sistemas de representación espacial e a súa relación cos procedementos de ideación gráfica e de expresión visual das distintas fases do deseño arquitectónico e urbanístico.
A42	TEORÍA XERAL DA ARQUITECTURA: comprensión ou coñecemento das teorías da arquitectura pasadas e presentes, especialmente as relativas á interdependencia de formas, usos e técnicas, á estrutura formal, ao estudo dos tipos e aos métodos de composición de edificios e espazos abertos.
A44	BASES DA ARQUITECTURA OCCIDENTAL: comprensión ou coñecemento das tradicións arquitectónicas, urbanísticas e paisaxísticas da cultura occidental e dos seus fundamentos técnicos, climáticos, económicos, sociais e ideolóxicos.
A45	BASES DA ARQUITECTURA NATIVA: comprensión ou coñecemento das tradicións arquitectónicas, urbanísticas e paisaxísticas de carácter nacional, local e vernáculo e dos seus fundamentos técnicos, climáticos, económicos, sociais e ideolóxicos.



A46	BASES DA ARQUITECTURA NON OCCIDENTAL: comprensión ou coñecemento das tradicións arquitectónicas, urbanísticas e paisaxísticas do mundo non occidental, os seus fundamentos técnicos, climáticos, económicos, sociais e ideolóxicos e as súas semellanzas e diferenzas coas propias da cultura occidental.
A47	ECOLOXÍA E SOSTENIBILIDADE: comprensión ou coñecemento da responsabilidade do arquitecto respecto aos principios básicos de ecoloxía, de sustentabilidade e de conservación dos recursos e do medio ambiente na edificación, o urbanismo e a paisaxe.
B1	Learn how to learn
B3	Aplicar un pensamento crítico, lóxico e creativo.
B4	Traballar de forma autónoma con iniciativa.
B7	Comunicarse de maneira efectiva nun entorno de traballo.
B8	Visión espacial.
B9	Creatividade.
B10	Sensibilidade estética.
B11	Capacidade de análise e síntese.
B13	Imaxinación.
B14	Habilidade gráfica xeral.
B17	Cultura histórica.
B18	Razoamento crítico.
B19	Traballo nun equipo de carácter interdisciplinar.
C1	Expresarse correctamente, tanto de forma oral coma escrita, nas linguas oficiais da comunidade autónoma.
C3	Utilizar as ferramentas básicas das tecnoloxías da información e as comunicacións (TIC) necesarias para o exercicio da súa profesión e para a aprendizaxe ao longo da súa vida.
C4	Desenvolverse para o exercicio dunha cidadanía aberta, culta, crítica, comprometida, democrática e solidaria, capaz de analizar a realidade, diagnosticar problemas, formular e implantar solucións baseadas no coñecemento e orientadas ao ben común.
C5	Entender a importancia da cultura emprendedora e coñecer os medios ao alcance das persoas emprendedoras.
C6	Valorar criticamente o coñecemento, a tecnoloxía e a información dispoñible para resolver os problemas cos que deben enfrontarse.
C7	Asumir como profesional e cidadán a importancia da aprendizaxe ao longo da vida.
C8	Valorar a importancia que ten a investigación, a innovación e o desenvolvemento tecnolóxico no avance socioeconómico e cultural da sociedade.

Learning outcomes

Learning outcomes	Study programme competences		
	A4	B1	C1
as indicadas na memoria da titulación	A9	B3	C3
	A10	B4	C4
	A13	B7	C5
	A34	B8	C6
	A35	B9	C7
	A36	B10	C8
	A38	B11	
	A42	B13	
	A44	B14	
	A45	B17	
	A46	B18	
	A47	B19	

Contents

Topic	Sub-topic
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INTRODUCTION TO THE CASE STUDY	Introduction. Organization, objectives and methodology. Each year the course focuses on the study of a theme, which may be the work of an architect or a general topic. This theme will be presented at the beginning of the course.
INTRODUCTION TO THE GRAPHIC ANALYSIS OF THE ARCHITECTURE	What does architectural project mean? Learning how to read a project. Basic concepts for an introduction to analysis. Diagram as a means of expression
FUNCTIONAL ANALYSIS	The functional content of architecture. The functional structure as basis of architecture. Characteristics of the itineraries. Typology. Type and model.
SPATIAL AND LIGHTING ANALYSIS	Space and light as essence of architecture. The perception of architecture through its itineraries. Strategies to represent and analyze space and light. Light as vector to envisioning spaces. Natural direct light, reflected, blur, shadows. Light control and new technologies.
TOPOLOGICAL ANALYSIS	The 'genius loci'. Choosing a plot. The adaptation to the site: tension and harmony. Interior spaces, exterior spaces: connections.
TECHNOLOGICAL ANALYSIS	Building and structural systems as a means on the materialisation and the meaningfulness of the architecture. The skin on the tectonic conformation of the architecture.
VISUAL ANALYSIS	Recognizing the visual appearance of an object. The shape as a start and the shape as a consequence. The generative process of shape as a connection between mass, space and surface. Geometry: graphic proposal for a morphological order. Geometric analysis. Module. Modulor.

Planning				
Methodologies / tests	Competencies	Ordinary class hours	Student's personal work hours	Total hours
Mixed objective/subjective test	A4 A9 A10 A13 A34 A35 A36 A38 A42 A44 A45 A46 A47 B19 B18 B17 B14 B13 B11 B10 B9 B8 B7 B4 B3 B1 C1 C3 C4 C5 C6 C7 C8	6	143	149
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
Mixed objective/subjective test	This is a test of theoretical and practical content in which students show their progress in the knowledge of the methodology of the subject. It will be done during class time and will be submitted for class evaluation at the end of the session.



Personalized attention

Methodologies	Description
Mixed objective/subjective test	Evaluation is a continuous process, in which the activity in each of the sessions of the course developed by the student is monitored and recorded. Periodically and whenever the student requires, he is informed of the level reached by his exercises in relation to the objectives of the subject. There is a period at the end of the course, free of theoretical sessions and workshops, in which the care is provided exclusively individually, so that each student is oriented in order to achieve the objectives of the subject and even the excellence. At all times of the semester teachers provide students individually with additional support in a suitable timetable.

Assessment

Methodologies	Competencies	Description	Qualification
Mixed objective/subjective test	A4 A9 A10 A13 A34 A35 A36 A38 A42 A44 A45 A46 A47 B19 B18 B17 B14 B13 B11 B10 B9 B8 B7 B4 B3 B1 C1 C3 C4 C5 C6 C7 C8	This is a test of theoretical and practical content in which students show their progress in the knowledge of the methodology of the subject. It will be done during class time and will be submitted for class evaluation at the end of the session.	100
Others			

Assessment comments

In order to pass the subject, the student will have two opportunities: January and July. The first one coincides with the date of submission of the last job, and may enable students to pass the course. Students who do not pass this first opportunity, may take a second one, which will consist of a practical exam in July.

Students who do not pass the subject Projects 3 on the two opportunities, must attend the workshop the following year. In that case, students will do all the course work of the subjects that they did not pass. Students who passed the subject Projects 3 but did not pass any of the other subjects of the workshop, will have to redo their exercises with the corrections suggested by their teachers. Students enrolled after the start of the academic year, must attend the theoretical and practical classes from the date of enrollment, with the possibility of new dates of submission. MOBILITY: Teaching students on mobility programs will be adapted to teaching conditions as well as supervised exercises and tests.

Sources of information



<p>Basic</p>	<ul style="list-style-type: none"> - Baker, Geoffrey H. (1989). Le Corbusier. Análisis de la forma. GG. Barcelona - Clark & Pause (1984). Arquitectura. Temas de composición. Aalto, Kahn, Moore, Stirling, Le Corbusier, Paladio, Venturi. GG. Barcelona - Baker, Geoffrey H. (1989). Análisis de la forma. Urbanismo y arquitectura. GG. Barcelona - Clark & Pause (1987). Arquitectura. Temas de composición. GG. Barcelona - Ching, Frank (1988). Arquitectura: forma, espacio y orden. GG. Barcelona - Ching, Frank (1989). Dibujo y proyecto. GG. Barcelona - Curtis, Wilian (1987). Le Corbusier, Ideas y formas. Blume - Fraser & Henmi (1994). Envisioning architecture. An analysis of drawing. Willey & Sons. Nova York - Lasseau, Paul (1992). Frank Lloyd Wright: Between Principe and Form. Nostrand Reinhold. Boston - Michel, Lou (1996). Light. The shape of space. Van Nostrand Reinhold. Rotterdam - Moo Zell (2008). The architectural Drawing Course. Thames & Hudson. Londres - Moore /Allen & Lyindon (1974). La casa:forma y diseño. GG. Barcelona - Norberg- Schulz, Christian (1967). Intenciones en arquitectura. GG. Barcelona - Leonardo Benévolo (1984). El diseño de la ciudad-1. GG. Barcelona - Wittkower, Rudolf (1995). Los fundamentos de la arquitectura en la edad del humanismo. Alianza Editorial - Various (2014). Cadernos PFC. ETSAC, A Coruña <p>Aparte de estas entradas bibliográficas, cada ano a asinatura incorpora bibliografias específicas, que serán suxeridas ós estudantes.</p>
<p>Complementary</p>	<p>Aparte de estas entradas bibliográficas, cada ano a asinatura incorpora bibliografias específicas, que serán suxeridas ós estudantes.</p>

Recommendations

Subjects that it is recommended to have taken before

- Architectural Drawing/630G01002
- Descriptive Geometry/630G01003
- Analysis on Architectural Form/630G01007
- Análise Arquitectónico 1/630G01012
- Xeometría da Forma Arquitectónica/630G01014

Subjects that are recommended to be taken simultaneously

- Proxectos 4/630G01016
- Urbanística 1/630G01018

Subjects that continue the syllabus

Other comments

Incoming students need to be highly proficiency on drawing skills, both analogical either digital ones. We highly recommend to acces only if ANALISIS 1 has been superated. This subject should not be taken simultaneously with superior workshops. This subject must be attended in conjunction with Proyectos 4 and Urbanismo 1 of the same semester. Mobile phones, tablets or computers in theoretical classes are not allowed for non academic purposes. Violation of this rule may result in the immediate expulsion from the classroom.

(*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.