

		Teaching Guide			
	Identifyi	ng Data			2015/16
Subject (*)	Architectural Drawing Code 630G01002			630G01002	
Study programme	Grao en Arquitectura				1
		Descriptors			
Cycle	Period	Year		Туре	Credits
Graduate	1st four-month period	First		FB	6
Language	SpanishEnglish				
Teaching method	Face-to-face				
Prerequisites					
Department	Representación e Teoría Arquite	ectónica			
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General description	This subject aims to introduce st	udents to the graphic repre	esentatio	n of architecture, from t	hree different perspectives:
	Architectural Drawing, Computer	Aided Design and Freeha	and Draw	ing.	

	Study programme competences
Code	Study programme competences
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 relació
	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.
A37	ANÁLISE DE FORMAS: comprensión ou coñecemento das leis da percepción visual e da proporción, as teorías da forma e da imaxe, as
	teorías estéticas da cor e os procedementos de estudo fenomenolóxico e analítico das formas arquitectónicas e urbanas.
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.
B1	Learn how to learn
B3	Aplicar un pensamento crítico, lóxico e creativo.
B4	Traballar de forma autónoma con iniciativa.
B5	Traballar de forma colaborativa.
B6	Comportarse con ética e responsabilidade social como cidadán e como profesional.
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.
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.
C6	Valorar criticamente o coñecemento, a tecnoloxía e a información dispoñible para resolver os problemas cos que deben enfrontarse.



C7 C8	Asumir como profesional e cidadán a importancia da aprendizaxe ao longo da vida. Valorar a importancia que ten a investigación, a innovación e o desenvolvemento tecnolóxico no avance socioecon sociedade.	ómico e	cultural	da
	Succuade.			
	Learning outcomes			
	Learning outcomes	Stud	y progra	amm
		CO	mpeten	ces
Ability to a	apply graphic representation systems.	A10	B1	C
Ability to	handle projection and section systems.		B3	C
	handle the quantitative and selective aspects of the scale.		B4	C
Ability to	establish the relationship between the plane and depth.		B5	C
			B7	
			B8	
			B9	
			B10	
			B11	
			B13	
			B14	
			B17	
			B18	
hility to	conceive and represent the figure, colour, texture, and brightness and also dominate the objects proportion.	A13	B19 B1	C
-	ge of the drawing techniques -including the computer ones-, all of them fundamental to the correct approach to the	AIS	B3	C
-	al skill, a prelude to the project representation. Detailed study of the stages of graphic learning, from the initial		B3 B4	C
-	al stage to the final creative representation.		B5	c c
cicopius			B7	
			B8	
			B9	
			B10	
			B13	
			B14	
			B17	
			B18	
Knowledg	ge and understanding of the visual perception and proportion laws, form and image theories, the aesthetic theories of	A37	B1	С
-	procedures of phenomenological and analytical study of the architectural and urban forms.		B3	С
			B4	с
			B5	с
			B7	
			B8	
			B9	
			B10	
			B11	
			B13	
			B14	
			B17	
			B18	



Knowledge and understanding of the spatial representation systems and its relation with the graphic inventiveness and visual	A38	B1	C3
expression of the different phases of the urban and architectonic design.		B3	C6
		B4	C7
		B5	C8
		B6	
		B8	
		B9	
		B10	
		B11	
		B13	
		B14	
		B17	
		B18	

	Contents	
Topic Sub-topic		
FREEHAND DRAWING Graphic learning methodology applied to architectural perception.		
	Expressive representation as a first step concerning graphic learning.	
	Lineal perspective applied to freehand drawing.	
INTRODUCTION TO ARCHITECTURAL DRAWING.	Graphic conventions.	
	Scale and proportion.	
	Plans, elevations and architectural sections.	
	Expressive volume representations: axonometric, perspectives, models?	

	Planning			
Methodologies / tests	Competencies	Ordinary class	Student?s personal	Total hours
		hours	work hours	
Introductory activities	B1 B19	2	0	2
Guest lecture / keynote speech	A10 A13 A37 A38 B3	11	0	11
	B4 B5 B6 B7 B8 B9			
	B10 B11 B13 B14			
	B17 B18			
Norkshop	A10 A13 A37 A38 B1	26	54	80
	B3 B4 B5 B6 B7 B8			
	B9 B10 B11 B13 B14			
	B17 B18 C3 C6 C7			
	C8			
Workshop	A10 A13 A37 A38 B1	14	36	50
	B3 B5 B6 B7 B9 B14			
	B18 C3 C6 C7 C8			
Objective test	A10 A13 A37 A38	6	0	6
Personalized attention		1	0	1
(*)The information in the planning table is fo	r guidance only and does not t	ake into account the	heterogeneity of the stud	lents.

	Methodologies
Methodologies	Description
Introductory activities	Activities carried on before starting the learning-teaching process to get to know the abilities, interests and motivations the
	students should have to obtain the objectives. With this activities relevant information must be obtained to articulate the
	teaching and significant learningship the students previously should have.



Guest lecture /	Oral exposition complemented by audio-visual means and some other resources, to transmit knowledge and facilitate
keynote speech	learningship.
	Subject theoretical contents (combined in three major general themes) will be exposed in a non-lineal way, as the teacher
	should estimate to obtain the preview results and concerning the group heterogeneity.
Workshop	SUBJECT WORKSHOP. In this workshop practical lessons (26 hours) ?non included in the first term workshop? and all the
	previously proposed work the student must develop in the stipulated time (54 hours) for this supervised methodology must be
	taken into account.
	The total stipulated time should guaranteed a graphic volume previously determined by the professor.
Workshop	FIRST TERM WORKSHOP. Shared among the different subjects of Architectural Drawing, Descriptive Geometry and Projects
	L.
	One or several in group essays will be proposed to be developed by the students outside the classroom.
	Lessons concerning this methodology in the classroom will be dedicated to the planning of the essays, to a series of
	theoretical lessons and to the supervised control of the proposed work.
	This methodology is meant to the learningship of ?how things must be done? focused on specific supervised essays to
	promote the students autonomous learningship.
Objective test	A practical examination used to the evaluation of the learningship whose distinctive aspect is the possibility to determine
	whether the acquired learningship is the expected to pass the examination.
	It is a measure instrument, rigorously elaborated which allows to evaluate the capacities, abilities and attitudes.
	It will consist of 2-4 drawings (6 hours), as the examination official timetable will establish.
Objective test	Lessons concerning this methodology in the classroom will be dedicated to the planning of the essays, to a series of theoretical lessons and to the supervised control of the proposed work. This methodology is meant to the learningship of ?how things must be done? focused on specific supervised essays to promote the students autonomous learningship. A practical examination used to the evaluation of the learningship whose distinctive aspect is the possibility to determine whether the acquired learningship is the expected to pass the examination. It is a measure instrument, rigorously elaborated which allows to evaluate the capacities, abilities and attitudes.

Methodologies Description Workshop This academic activity will be developed by the professor, either individual or in small group and its finality is consideration the student's needs and doubts in relation with the current essays, helping and motivating the learning process. For this subject and the already exposed methodologies it is fundamental to consult the professor about the improvement to assure the quality of the essays according to the criteria which will be indicated in each case. Considering the importance the personalized care this subject has, this tutorial is compulsory for the student	
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For this subject and the already exposed methodologies it is fundamental to consult the professor about the improvement to assure the quality of the essays according to the criteria which will be indicated in each case	m during the
improvement to assure the quality of the essays according to the criteria which will be indicated in each case	
	weekly
Considering the importance the personalized care this subject has, this tutorial is compulsory for the student).
	s. Non assistance
to the arranged tutorials (1h), the students will be given a ?non evaluated?.	

		Assessment		
Methodologies	Methodologies Competencies Description		Qualification	
Guest lecture /	A10 A13 A37 A38 B3	A minimun of 80% of assistence to lessons is compulsory for all students.	1	
keynote speech	B4 B5 B6 B7 B8 B9			
	B10 B11 B13 B14			
	B17 B18			
Workshop	A10 A13 A37 A38 B1	SUBJECT WORKSHOP: 30% of the qualifications.	30	
	B3 B4 B5 B6 B7 B8	In this workshop, two different kind of essays will be developed:		
	B9 B10 B11 B13 B14	1) Drawings made in the classroom. This essays will be proposed by the professors		
	B17 B18 C3 C6 C7	and will be used to control both the evaluation of the students and reference of the		
	C8	essays made outside the classroom by the students.		
		2) Drawings made by the students outside the classrooms will consist of free drawings		
		though teachers will be able to propose a specific essay weekly. This essay will be the		
		fundamental object of the tutorial.		
		Both kind of essays will be evaluated continuously.		



Workshop	A10 A13 A37 A38 B1	FIRST TERM WORKSHOP: 20% of the qualification.	19
	B3 B5 B6 B7 B9 B14	Tutored essays which evaluation will be made together with the three subjects that	
	B18 C3 C6 C7 C8	share the workshop. The final qualification will be the three subjects average	
		qualification.	
		This workshop is compulsory for all the students, even for those who had passed	
		some of the three subjects previously.	
Objective test	A10 A13 A37 A38	OBJECTIVE ASSESSMENT: 50% of the qualification.	50
		This methodology is meant to determine whether the student improvement has been	
		sufficient and in concordance with what has been done in the workshops. It will be	
		divided into two parts, three hours each, where the essays proposed by the professors	
		will be developed.	
		Students must obtain five points over ten in this methodology in order to pass this	
		subject.	

Assessment comments
To pass
this subject, in any of the two evaluations within the course (the one
belonging to the term or in the second opportunity in July) is an essential
requirement to have done all the proposed essays in the different methodologies
with the minimum established level and the correct professor tutorial.
Otherwise the student will be consider non evaluated.
Students
who only attend the second opportunity in July will be specially obligated to
fulfill what has been exposed above.
A
minimum of 80% of assistance is compulsory to pass the subject, otherwise
students will be non evaluated.
Considering
the importance the personalized care this subject has, this tutorial is
compulsory for the students. Non assistance to the arranged tutorials (1h), the
students will be given a ?non evaluated?.

Sources of information



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	- Gonsalez, Lorenzo; Bertazzoni, L. (2000). MAQUETAS. LA REPRESENTACIÓN DEL ESPACIO EN EL
	PROYECTO ARQUITECTÓNICO. México. Ed. G.G. México
Complementary	

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Recommendations	
Subjects that it is recommended to have taken before	
Subjects that are recommended to be taken simultaneously	
Architectural Projects 1/630G01001	
Descriptive Geometry/630G01003	
Subjects that continue the syllabus	
Architectural Projects 2/630G01006	
Analysis on Architectural Form/630G01007	
Other comments	
It would be advisable for new students before joining this subject, that previously had completed courses in high school on technical and freehand	
drawing.	

(*) 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.