		Teaching Guid	de		
Identifying Data					2015/16
Subject (*)	Debuxo de Arquitectura			Code	630G02002
Study programme	Grao en Estudos de Arquitectura				
		Descriptors			
Cycle	Period	Year		Туре	Credits
Graduate	1st four-month period	First		Obligatoria	6
Language	SpanishEnglish				
Teaching method	Face-to-face				
Prerequisites					
Department	Representación e Teoría Arquitectón	ica			
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Web	http://departamentos.etsa.udc.es/web	oryta/			
General description	This subject aims to introduce studen	nts to the graphic r	epresentation	n of architecture, from	two different perspectives:
	Architectural Drawing and Freehand Drawing.				

	Study programme competences
Code	Study programme competences
A1	" Ability to apply graphical procedures to the representation of spaces and objects (T) "
A2	Ability to conceive and represent the visual attributes of objects and master proportion and drawing techniques, including digital ones (T)
A3	Knowledge of spatial representation systems and projections adapted and applied to architecture
A4	Knowledge of the analysis and the theory of form and the laws of visual perception adapted and applied to architecture and urbanism
A5	"Knowledge of the metric and projective geometry adapted and applied to architecture and urbanism "
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
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
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
C2	Mastering the expression and comprehension of a foreign language both orally and in writing
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	Stud	y progra	ımme
	СО	mpeten	ces
Ability to apply graphic representation systems.	A1	B1	C1
Ability to handle projection and section systems.		B4	C2
Ability to handle the quantitative and selective aspect of the scale.		B5	СЗ
Ability to establish the relationship between the plane and depth.		В6	C4
		B7	C5
		B12	C6
			C7
			C8
Ability to conceive and represent the figure, color, texture and brightness and also dominate the objects proportion. Knowledge	A2	B1	C1
of the drawing techniques, all of them fundamental to the correct approach to the projectual skill, a prelude to the project		B4	C2
representation. Knowledge and understanding of the stages of graphic learning, from the initial preceptual stage to the final		B5	СЗ
creative representation.		B6	C4
		B7	C5
		B12	C6
			C7
			C8
Knowledge and understanding of systems of spatial representation and their relation to the processes of graphical	А3	B1	C1
conceptualisation and visualisation of the different stages of architectural and urban design.		B4	C2
		B5	СЗ
		B6	C4
		B7	C5
		B12	C6
			C7
			C8
Knowledge and understanding of the laws of proportion and visual perception, theories of form and image, aesthetic theories	A4	B1	C1
of color and phenomenological analysis of architectural and urban form.		B4	C2
		B5	C3
		B6	C4
		B7	C5
		B12	C6
		512	C7
			C8
Knowledge and understanding of the metric and projective geometry as the foundations of the layout, design and architectural	A5	B1	C1
composition.	7.0	B4	C2
		B5	C3
		B6	C4
		B7	C5
		B12	
		DIZ	C6
			C7
			C8

Ability to apply knowledge and skills in relation to Systems of Representation, Graphical Conceptualisation, Analysis of forms	A63	B1	C1
and Graphical Restoration, for the production, presentation and defense before a University Board of Examiners of an original		B4	C2
piece of academic work based on the student's own research in relation to any of the areas covered by the course.		B5	C3
		В6	C4
		В7	C5
		B12	C6
			C7
			C8

Contents				
Topic	Sub-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 proportions.			
	Plans, elevations and architectural sections.			
	Expressive volume representations:			
	axonometric, perspectives, models			

	Planning			
Methodologies / tests	Competencies	Ordinary class hours	Student?s personal work hours	Total hours
Introductory activities	A1 A2 A3 A4 A5 A63	2	0	2
	B1 B4 B5 B6 B7 B12			
	C1 C2 C3 C4 C5 C6			
	C7 C8			
Supervised projects	A1 A2 A3 A4 A5 A63	14	45	59
	B1 B4 B5 B6 B7 B12			
	C1 C2 C3 C4 C5 C6			
	C7 C8			
Workshop	A1 A2 A3 A4 A5 A63	30	45	75
	B1 B4 B5 B6 B7 B12			
	C1 C2 C3 C4 C5 C6			
	C7 C8			
Guest lecture / keynote speech	A1 A2 A3 A4 A5 A63	13	0	13
	B1 B4 B5 B6 B7 B12			
	C1 C2 C3 C4 C5 C6			
	C7 C8			
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

stude	ities carried on before starting the learning-teaching process to get to know the abilities, interests and motivations the ents should have to obtain the objectives. With this activities relevant information must be obtained to articulate the ning and significant learningship the students previously should have.
	ning and significant learningship the students previously should have. also aimed guiding the students in the content, methodologies, learning outcomes of this subject (and AFA) and how he
teachi	also aimed guiding the students in the content, methodologies, learning outcomes of this subject (and AFA) and how he
	, , ,
It is al	a surficient
will be	e evaluated.
Supervised projects Stude	ents will be required to complete one or more assignments during the non-class hours (45) allocated for these activities.
This s	section of the course focuses on learning ?how things are done? and the promotion of supervised independent learning.
Class	s contact hours (14) will be used for the proposal and discussion of project topics and related theoretical considerations.
Class	s time will also include a series of group and/or individual project monitoring sessions.
Workshop The w	workshop section of the module includes both class time practice sessions (30 hours) and non-class time (54 hours) spent
on wo	orkshop tasks assigned by the lecturer.
As in	the case of supervised project work, workshop tasks are focused on learning ?how things are done? and encouraging
super	rvised independent learning.
Stude	ents will be required to produce a set amount of graphical work (defined in advance by the lecturer) during the hours
alloca	ated for workshop activities.
Works	shop activities will be based on the following categories and assessed individually, with each task accounting for a
specif	fic portion of the overall mark:
1) Pre	esential Class work
2) We	eekly practical tasks (non-presential)
3) Fin	nal assessment control drawings (final exam)
Guest lecture / Oral p	presentation, using audiovisual aids and other resources, intended to convey knowledge and encourage learning.
keynote speech Theor	retical content will be divided according to the module?s two main subject areas and taught using a non-linear approach,
based	d on the make-up of the group and the learning objectives proposed by the lecturer.

Personalized attention				
Methodologies	Description			
Introductory activities	Individualised attention refers to one-to-one meetings between lecturers and students, or small group tutoring sessions,			
Guest lecture /	designed to offer guidance, support and motivation to students throughout the learning process, and an opportunity to discuss			
keynote speech	any questions or difficulties they may have in relation to specific module tasks and activities.			
Supervised projects				
Workshop	For this section of the module, as in the other sections, students will be required to keep the lecturer informed as to the			
	progress of their assignments, to ensure projects meet the necessary standards in each case.			
	Given the emphasis on personalised teaching and learning in this module, students will be strictly required to avail of all opportunities for engagement offered by the syllabus. Students who fail to attend the weekly tutorial meetings (1 hour) defined			
	in the timetable will be recorded as ?no-shows? and have their assessment deferred to a subsequent examination period.			

	Assessment			
Met	hodologies	Competencies	Description	Qualification

Guest lecture /	A1 A2 A3 A4 A5 A63	Class attendance is compulsory for this section of the subject.	5
keynote speech	B1 B4 B5 B6 B7 B12	Students will be required to attend a minimum 80% of all classes; absences due to	
	C1 C2 C3 C4 C5 C6	illness or other unforeseen circumstances should not exceed the remaining 20%.	
	C7 C8	Assessment for this section of the module will vary, based on the learning	
		methodology and outcomes proposed by each lecturer (MCQ, short answer questions,	
		etc.)	
		The mark for this section will account for 5% of the total final mark for the module.	
Supervised projects	A1 A2 A3 A4 A5 A63	Class attendance is compulsory for this section of the subject.	15
	B1 B4 B5 B6 B7 B12	Students will be required to attend a minimum 80% of all classes; absences due to	
	C1 C2 C3 C4 C5 C6	illness or other unforeseen circumstances should not exceed the remaining 20%.	
	C7 C8	Aggregated marks for all supervised projects will be averaged to give the student?s	
		overall mark for this section of the module.	
		Supervised projects will account for 15% of the total final mark for the module.	
Workshop	A1 A2 A3 A4 A5 A63	Class attendance is compulsory for this section of the subject.	80
	B1 B4 B5 B6 B7 B12	Students will be required to attend a minimum 80% of all classes; absences due to	
	C1 C2 C3 C4 C5 C6	illness or other unforeseen circumstances should not exceed the remaining 20%.	
	C7 C8	Total aggregated marks for workshop tasks in each category will account for the	
		following percentages of the total final mark for the module:	
		1) Presential Class work and Weekly practical tasks (non-presential): 30%	
		2) Final assessment control drawings (final exam): 50%.	
		The content of the final exam will be agreed jointly between all teachers on the	
		interactive portion of the module.	
		Workshop activities will account for 80% of the total final mark for the module.	

Assessment comments

In order to pass the module, either during the first-opportunity term exams in June, or during the second-opportunity examination period in July, students will be required to achieve the minimum specified mark for each of the compulsory assignments, under the appropriate direction and supervision of the lecturer. Students who fail to meet this requirement will be recorded as ?no-shows? and have their assessment deferred to a subsequent examination period . Project supervision will only be deemed to have taken place where the supervising lecturer can confirm that student work on projects during class time is consistent with work completed outside of class hours. This condition will apply particularly in the case of students assessed during the second-opportunity examination period only. Students who fail to attend at least 80% of lectures and practical (workshop and supervised project) classes will be recorded as ?no-shows? and have their assessment deferred to a subsequent examination period. Given the emphasis on personalised teaching and learning in this module, students will be strictly required to avail of the opportunities for engagement offered by the syllabus. Students who fail to attend the weekly tutorial meetings (1 hour) defined in the timetable will be recorded as ?no-shows? and have their assessment deferred to a subsequent examination period. Teaching, testing and assessment in respect of mobility programme students will be adapted to meet any special circumstances or supervision needs these students may have.

Sources of information

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	- Edwards, Betty (1979). APRENDER A DIBUJAR CON EL LADO DERECHO DEL CEREBRO. Nueva York. Ed.
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	- Porter y Goodman (1983-1984-1985). MANUAL DE TÉCNICAS GRÁFICAS PARA ARQUITECTOS. VOL 1,2,3 Y 4.
	Barcelona. Ed. G.G.
	- Redondo, E. y Delgado, M. (). DIBUJO A MANO ALZADA PARA ARQUITECTOS Barcelona. Ed. Parramón
	- Richards, James (2013). FREEHAND DRAWING AND DISCOVERY. New Jersey. Ed. Wiley and Son
	- Uddin, M.S. (2000). DIBUJO AXONOMÉTRICO. México. Ed. McGraw Hill
	- Uddin, M.S. (2000). DIBUJO DE COMPOSICIÓN. México. Ed. McGraw Hill
	- VanDyke, Scott (1984). DE LA LINEA AL DISEÑO. 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

Xeometría Descritiva/630G02003

Introdución á Arquitectura /630G02005

Subjects that continue the syllabus

Análise de Formas Arquitectónicas/630G02007

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.