UNIVERSIDADE DA CORUÑA

Teaching Guide				
Identifying Data				2017/18
Subject (*)	Architectural Analysis 1		Code	630G02012
Study programme	Grao en Estudos de Arquitectura			
Descriptors				
Cycle	Period	Year	Type	Credits
Graduate	1st four-month period	Second	Obligatoria	6
Language	SpanishGalicianEnglish			
Teaching method	Face-to-face			
Prerequisites				
Department	Expresión Gráfica Arquitectónica			
Coordinador	Lizancos Mora, Plácido	E-mail	placido.lizancos@udc.es	
Lecturers	Amado Lorenzo, Antonio Gonzalo Caridad Yañez, Eduardo Doce Porto, Juan Manuel Franco Taboada, Juan Manuel Hermida Gonzalez, Luis Lizancos Mora, Plácido Zas Gomez, Evaristo	E-mail	antonio.amado@udc.es eduardo.caridad@udc.es juan.doce@udc.es manuel.franco.taboada@udc.es luis.hermida@udc.es placido.lizancos@udc.es evaristo.zas@udc.es	
Web				
General description	Architectural analysis			

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
A9	"Knowledge of of the principles of fluid mechanics, hydraulics, electricity and electromagnetism adapted and applied to architecture and urbanism "
A10	"Knowledge of basic topography, hypsometry, mapping and earthmoving techniques adapted and applied to architecture and urbanism "
A13	Ability to conceive, calculate, design, integrate in buildings and urban units and execute interior partition walls, carpentry, stairs and other finished work (T)
A34	Ability to design, implement and develop sketches and drafts, concept designs, developed designs and technical designs (T)
A35	Ability to design, implement and develop urban projects (T)
A36	Ability to design, implement and develop construction management (T)
A38	"Ability to take part in the preservation, restoration and renovation of the built heritage (T) "
A42	Ability to catalogue the built and urban heritage and plan its protection (T)
A44	Ability to develop civil work projects (T)
A45	Ability to design and execute urban layouts and urbanization, gardening and landscape design projects (T)
A46	Ability to apply standards and urban regulations
A47	Ability to develop environmental, landscape and environmental impact correction studies (T)
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
B8	Knowing the urbanism and techniques applied in the planning process
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
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	Study programme competences		
Develop expertise for proper representation and subsequent analysis of the architecture through graphic tools and models	A1 A2 A3 A4 A9 A10 A13 A34 A35 A36 A38 A42 A44 A45 A46 A47 A63	B1 B2 B3 B4 B5 B6 B7 B8 B9 B10 B11 B12	C1 C2 C3 C4 C5 C6 C7 C8

Contents	
Topic	Sub-topic

A. Introduction	Introduction. Organization, objectives and methodology. Presentation of this course´s work
B. Expansion of Architectural Drawing	Drawing in architecture. Techniques and systems of representation. Three-dimensional analogical and digital representation
1. Secondary languages of architecture	Secondary languages of architecture Intentions in representation
2. Graphic conventions	Application of multiview orthographic, topographic and conic projections to architectural communication
3. The three-dimensional models as representation system	Spatial, volumetric, detailed and environmental models The work model: the model for the architectural process
4. The infografy	Drawing and electronic image The digital models Animation Digital presentations of architectural projects
5. Graphiation for the analysis of architecture	Reading an architectural project Communicating an architectural project Basic concepts for an introduction to analysis Drawing to create, analyze, communicate an idea and communicate a project Procedures and resources of analytical graphiation

Planning				
Methodologies / tests	Competencies	Ordinary class hours	Student?s personal work hours	Total hours
Introductory activities	B1 B2 C4 C7 C8	5	0	5
Workshop	A1 A2 A3 A4 A9 A10 A13 A34 A42 A44 A45 A46 A47 B2 B5 C3	23	80	103
Student portfolio	A1 A2 A3 A4 A10 A34 A35 A36 A38 A63 B2 B4 B5 B6 B7 B8 B9 B10 B12 C1 C2 C3 C5 C6	12	10	22
Guest lecture / keynote speech	A1 A2 A3 A4	13	0	13
Objective test	A1 A2 A3 B1 B3 B11 B12 C6	6	0	6
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
Introductory activities	Prior to starting the process of architectural analysis, the student will be subject to a process of improving drawing and computing, instrumental aspects considered essential
Workshop	In the workshops all methodologies (presentations, simulations, debates, problem solving, supervised exercises, etc.) are combined simultaneously on practical tasks, with the assistance of the teacher
Student portfolio	O portfolio do alumnado compendiará os resultados acadados por estes no proceso de adquisición das suas competencias.

Guest lecture / keynote speech	Nas sesións maxistrais imaprtiranse ao estudantado as tácticas e metodoloxías a utilizar no desenvolvemento da análise arquitectónica. As sesións mostrarán exemplos históricos e casos de estudo.
Objective test	A proba obxetiva realizarase en cada momento do desenvolvemento do curso no que se produza unha especial acumulación de coñecementos. Tamén na conclsuión do curso. Consitirá nun suposto practico no que o alumnado demostrará as competencias adquiridas a partir de supostos similares aos practicados durante o desenvolvemento do curso para a análise e a ideación gráfica.

Personalized attention	
Methodologies	**Description**
Introductory activities Student portfolio Workshop	Evaluation is a continuous process, in which the activity in each of the sessions of the course develops the student is registered and controlled. He was periodically, and in any case, whenever the student requires it, inform adequacy acquired by its activities in relation to program objectives level of matter. A period set, the auction of course, free of theoretical sessions and workshops, where the attention is exclusively developed individually, so that each student is oriented towards achieving the ultimate goals of the subject or, where appropriate, excellence. At all times of the year, teachers give students additional support to teachers, individually, in known schedule.

Assessment			
Methodologies	**Competencies**	**Description**	**Qualification**
Objective test	A1 A2 A3 B1 B3 B11 B12 C6	The objective test will take place at any special moment in the educational process and of course at the end of the course. Consisting of a practical exercise where students will demonstrate achieved abilities and competences for the architectural analysis and graphical thinking skills	35
Workshop	A1 A2 A3 A4 A9 A10 A13 A34 A42 A44 A45 A46 A47 B2 B5 C3	As AA1 is a very practical subject, oral presentations done by the students are the best way to assess both knowledge and skills that are the objective of the subject	65

Assessment comments

The student must attend the theory sessions and present the graphic works, models, etc. put forward in the workshops, with the level of quality required to pass the course.
Attendance to the theoretical and practical sessions and workshops is compulsory at least 80%. Without this requirement, the student will not pass the course. 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. The submission of exercises below 80% implies a grade of "Absent" in the two assessment opportunities. Therefore, the student must repeat the course from start to finish. It is essential to deliver the specific practices of the subject, including the 3rd semester workshop with Projects 3 in order to pass each of the subjects that make up the workshop. This will amount to 20% of the final grade. Students who do not submit practices -wholly or partly- required in the workshop will be graded with an "Absent" in all subjects of the workshop. 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	
Basic	- Ching, Frank (1988). Arquitectura: forma, espacio y orden. Barcelona: GG - Moo, Zell (2008). The Architectural Drawing Course. Londres: Thames & Hudson - Moore, Allen & Lyndon (1974). La casa: Forma y Diseño. Barcelona: GG - Norberg-Schulz, Christian (1967). Intenciones en Arquitectura. Barcelona: Nerea - Wittkower, Rudolf (1995). Los fundamentos de la arquitectura en la edad del humanismo. Barcelona: Alianza Editorial - Zevi, Bruno (1946). Saber ver la arquitectura. Barcelona: Apóstrofe - Varios Autores (2011). Cadernos de Fin de Carreira. A Coruña: ETSAC
Complementary	

Recommendations
Subjects that it is recommended to have taken before

Descriptive Geometry/630G02003 Drawing in Architecture/630G02002 Analysis of Architectural Forms/630G02007 Architectural Design 3/630G02011 Architectural Design 1/630G02001 Architectural Form Geometry/630G02014
Subjects that are recommended to be taken simultaneously
Architectural Design 3/630G02011
Subjects that continue the syllabus
Architectural Design 4/630G02016 Urbanism 2/630G02024 Architectural Analysis 2/630G02017
Other comments
The student needs basic knowledge of computer graphics. It is recommended to have passed the subjects which form the workshop of the second quarter. This matter should not be taken concurrently with workshops superiors. This matter must be attended together with Project 3 of the semesterThe use of mobile phones, tablets or computers in theoretical classrooms is not allowed. The breach of this rule may lead to the inmediate expulsion of the classroom