Teaching Guide				
Identifying Data				2023/24
Subject (*)	Architectural Analysis 2		Code	630G02017
Study programme	Grao en Estudos de Arquitectura			
Descriptors				
Cycle	Period	Year	Type	Credits
Graduate	2nd four-month period	Second	Basic training	9
Language	SpanishGalicianEnglish			
Teaching method	Face-to-face			
Prerequisites				
Department	Expresión Gráfica Arquitectónica			
Coordinador	Amado Lorenzo, Antonio Gonzalo		E-mail	antonio.amado@udc.es
Lecturers	Amado Lorenzo, Antonio Gonzalo Caridad Yañez, Eduardo Castro García, Óscar Doce Porto, Juan Manuel Lizancos Mora, Plácido López Chao, Vicente Adrián Lorenzo Duran, Margarita		E-mail	antonio.amado@udc.es eduardo.caridad@udc.es oscar.castro@udc.es juan.doce@udc.es placido.lizancos@udc.es v.lchao@udc.es margarita.lorenzo@udc.es
Web				
General description	ARCHITECTURAL ANALYSIS 2. The aim of this subject is to develop students' abilities to analyze architecture as an object through analogue and digital tools for the production of graphic documents or models.			

Study programme competences / results	
Code	Study programme competences / results
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
A40	Ability to practise architectural criticism
A48	Adequate knowledge of general theories of form, composition and architectural types
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
A64	Coñecemento avanzado de aspectos específicos da materia de Expresión Gráfica Arquitectónica no contemplados expresamente na Orde EDU/2075/2010
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
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	Adequate oral and written expression in the official languages.

C2	Mastering oral and written expression in a foreign language.
C3	Using ICT in working contexts and 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 entrepreneurial culture and the useful means for enterprising people.
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	Valuing the importance of research, innovation and technological development for the socioeconomic and cultural progress of society.

Learning outcomes			
Learning outcomes	Study programme competences / results		
Adquirir coñecementos técnicos para a análise da arquitectura por medio de ferramentas gráficas e maquetas.	A1 A2 A3 A4 A40 A48 A63 A64	B1 B2 B3 B4 B5 B6 B7 B12	C1 C2 C3 C4 C5 C6 C7 C8

Contents	
Topic	Sub-topic
A. ARCHITECTURAL ANALYSIS	Graphic Analysis of Architecture
A.1. PRESENTATION OF THE MATTER	Detailed explanation of the Teaching Guide. Agenda, organization, objectives and methodology. Working material and bibliography. Spaces of matter: the classrooms. Matter times: calendar. The evaluation system. The importance of the subject in the Curriculum and in Architecture.
A.2. INTRODUCTION TO THE COURSE	Explanation of the course's argument: work dynamics, objectives. Presentation of the case studies.
A.3. GRAPHIC ANALYSIS OF ARCHITECTURE: MATERIALITY	Architectural analysis procedures. Graphic methods for architectural analysis.
A.4. TOPOLOGICAL ANALYSIS	Relationship between architecture and its surroundings. Relationship between interior and exterior spaces Graphic methods for topological analysis.
A. 5. FUNCTIONAL ANALYSIS	The functional content of the architectural fact. The functional structure as the basis of architecture. Typology. Type and Model. Graphic methods for functional analysis.
A.6. CONSTRUCTIVE ANALYSIS	The constructive systems in the materialization and the construction of the meaning of the architecture. Graphic methods for constructive analysis.
A.7. STRUCTURAL ANALYSIS	Structural systems in the materialization and construction of the meaning of architecture. The skin in the tectonic conformation of architecture. Graphic methods for the technological analysis.

A.8. FORMAL ANALYSIS	The generative process of the form as a relationship between mass, space and surface. Graphic methods for formal analysis.
A.9. GEOMETRIC ANALYSIS	The geometric analysis The concept of module. Graphic methods for formal analysis.
A.10. THE PARTI	Analytical synthesis procedures. Graphic methods for the realization of the "parti" and the communication of the architectural analysis.
B. TRAINING IN DIGITAL GRAPHIC TOOLS	Digital graphic tools in the representation and analysis of architecture.
B.1 Digital tools for the representation of architecture	The implementation of the information society. The digital versus the analog and its effect on the professional work of architecture. The digital work environment: information management and concurrent work.
B.2. Digital tools I	Tools for architectural ideation. The sensible drawing programs
B.3. Digital tools II	Tools for architectural analysis. The programs of illustration, edition and layout. The programs of spatial modeling.
B.4. Digital tools III	Tools for architectural communication. The programs of delineation, rendering and augmented reality.
B.5. Digital tools IV	Tools for the execution of the architecture. The building modeling programs.

Planning				
Methodologies / tests	Competencies / Results	Teaching hours (in-person & virtual)	Student?s personal work hours	Total hours
Workshop	A1 A2 A3 A4 A40 A64 B1 B2 B3 B4 B5 B6 B7 B12 C1 C2 C3 C4 C7	15	19	34
Supervised projects	A1 A2 A3 A4 A40 A63 B1 B5 B12	60	100	160
Guest lecture / keynote speech	A40 A48 A64 B6 B7 C5 C8	15	6	21
Events academic / information	A40 B3 B4 B6 C1 C7 C8	0	5	5
Objective test	A63 C6	4	0	4
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
Workshop	Confluence space with the materials Proxectos 3 and Urbanística 1
Supervised projects	The students will apply the concepts and methodologies to the proposed cases of study, supervised by the teaching staff. This includes the oral presentation of the work developed, the response to tests of control of the training process and the production of a document with the resulting materials. The students will develop specific practices in which they will apply the knowledge acquired about digital graphic tools.
Guest lecture / keynote speech	Introduction of fundamental theoretical concepts, graphical methodologies and presentation of case studies.

Events academic / information	Actividades realizadas por el alumnado que implican la asistencia y/o participación en eventos científicos y/o divulgativos (congresos, jornadas, simposios, cursos, seminarios, conferencias, exposiciones, etc.) con el objetivo de profundizar en el conocimiento de temas de estudio relacionados con la materia. Preparación de material síntesis del trabajo realizado en la materia para su publicación o exposición pública.
Objective test	Students must pass, with a minimum grade of 5, the test or specific tests that are proposed to justify knowledge of the subject. Without passing them, the course can not be approved.

Personalized attention	
Methodologies	**Description**
Workshop Supervised projects Objective test	The evaluation is a continuous process in which the activity that the student develops is controlled and registered. Periodically and -in any case, whenever the student so requires- he is informed of the adequacy of the level reached by his activities in relation to the programmatic objectives of the subject. A period is established, at the end of the course, free of theoretical sessions and workshops, in which the attention is developed exclusively on an individual basis, so that each student is oriented in order to reach the final objectives of the subject or, in your case, excellence. At all times during the course, the teachers provide the students with additional support to the teacher individually, at a known time.

Assessment			
Methodologies	**Competencies / Results**	**Description**	**Qualification**
Workshop	A1 A2 A3 A4 A40 A64 B1 B2 B3 B4 B5 B6 B7 B12 C1 C2 C3 C4 C7	The Workshop is the field of synthesis of the subject. Here, the intellectual development of the student and the knowledge of the objectives of the course, the mastery of the subject matter and the communicative resources of the architect are evidenced simultaneously.	15
Supervised projects	A1 A2 A3 A4 A40 A63 B1 B5 B12	The objective of the subject is to train the student in the analysis of the architecture and in the management of information sources applied to real assumptions. All this is structured in a Tutored Work, which must be carried out throughout the teaching period in accordance with a scientific methodology, matching the theoretical knowledge imparted by the teaching staff. A final document will be produced where all its contents are expressed with advanced communicative strategies, typical of architecture professionals. Practices that demonstrate skills in the use of digital tools exposed during classes will be developed.	65
Objective test	A63 C6	Specific control tests will be proposed to justify the knowledge acquired during the course.	20

Assessment comments

1. AttendanceStudents must attend the lectures and present the graphic works, models, etc. proposed in the workshops, with the required level of quality to pass the subject.Attendance is compulsory at least 80% to the theoretical and practical classes, as well as to the shared workshops. Without this requirement, no student may pass the course by course.Delivering less than the 100% of the practices on its term, means that the course was not properly followed and adresses to a qualification of "Not Presented" in the first opportunity.In order to make possible to attend the second opportunity, students must handle the 100% of the practices, properly tutored. It is also possible to be requiered to develop an special work.

2. Late registration.Students enrolled after the start of the academic year, must attend the theoretical and practical classes from the date of enrolment, with the possibility of recovery of the practices carried out until that date.

3. Opportunities .

To pass the subject the student will have two opportunities: January and July. Whoever does not pass the first opportunity will be able to apply for the second. In both cases, you must carry out an objective test.In order to be able to appear for the second opportunity, students must deliver 100% of the course practices duly supervised. In the case of not having passed the supervised works in the 1st opportunity, they may be improved, or if necessary, carry out another additional work, in accordance with the instructions of the teaching staff.

4. Mobility. The teaching of students from mobility programs will be based on specific pedagogical, linguistic and scheduling conditions and the performance of special tutored jobs.*Students under special dispensation or part-time commitment must contact the professor in charge of their group in the first weeks of the course to resolve the case. The student will have to solve and deliver all the assignments and tutorials as students in a usual situation.

Sources of information	
Basic	- Baker, Geoffrey H. (2000). Le Corbusier. Análisis de la forma. Barcelona : Gustavo Gili - Clark, Roger H.; Pause, Michael (1996). Arquitectura. Temas de composición. Aalto, Kahn, Moore, Stirling, Le Corbusier, Paladio, Venturi. Barcelona : Gustavo Gili - Ching, Francis D.K. (2015). Arquitectura: forma, espacio y orden.. Barcelona: Gustavo Gili (4ª ed.) - Ching, Francis D.K. (1999). Dibujo y proyecto. México: Gustavo Gili - Curtis, William J.R. (1987). Le Corbusier, Ideas y formas.. Madrid: Hermann Blume - Fraser, Iain; Henmi, Rod (1994). Envisioning architecture. An analysis of drawing.. New York: John Wiley & sons - Michel, Lou (1996). Light. The shape of space.. New York: John Wiley & Sons - Moo Zell (2008). The architectural Drawing Course.. - Moore /Allen & Lyindon (1974). La casa:forma y diseño.. Barcelona: Gustavo Gili - Norberg- Schulz, Christian (1967). Intenciones en arquitectura.. Barcelona: Gustavo Gili - Wittkower, Rudolf (1995). Los fundamentos de la arquitectura en la edad del humanismo.. Madrid: Alianza
Complementary	Amado Lorenzo, Antonio e Franco Taboada, Juan Manuel (2013).Wright: Debuxo II, análisis gráfico arquitectónico 2º, memoria docente curso 2003/2004. Repositorio UDCAmado Lorenzo, Antonio e Franco Taboada, Juan Manuel (2014).Arquitecturas para la Moda. Repositorio UDC.Amado Lorenzo, Antonio e Franco Taboada, Juan Manuel (2017).Ando, Tadao ; Ito, Toyo : Debuxo II, análisis arquitectónico 2º, memoria docente curso 2005/2006. Repositorio UDC.Amado Lorenzo, Antonio e Franco Taboada, Juan Manuel (2007).Aalto, Alvar: Debuxo II, análisis arquitectónico 2º, memoria docente curso 2004/2005.Repositorio UDC.Amado Lorenzo (2022). DAVID CHIPPERFIELD: Debuxo II, análisis arquitectónico 2º, memoria docente curso 2002-03.Amado Lorenzo (2022). PETER ZUMPTHOR /JAQUES HERZOG & PIERRE DE MEURON: Debuxo II, análisis arquitectónico 2º, memoria docente curso 2001-02.Franco Taboada, Juan Manuel e Castro García, Óscar (2018).Casas 16 y 17 de Walter Gropius para la Weissenhof Siedlung de Stuttgart, 1927. Analisis. Repositorio UDCLizancos, P. e LLano, P. de. (2014).Desvelar a arquitectura. Análise Arquitectónica nos Proxectos Fin de Carreira. Cadernos PFC. Universidade da CoruñaLlano, P. de, Rosales Noves, J.M., Lizancos, P., Ventura Real, J.M. e Vizcaíno Monti, F.J. (2000)Dibujo II (grupos A y C): análise gráfica da arquitectura. Boletín académico, ISSN 0213-3474, Nº. 24, p. 38-47

Recommendations
Subjects that it is recommended to have taken before

Architectural Analysis 1/630G02012 Drawing in Architecture/630G02002 Analysis of Architectural Forms/630G02007 Architectural Design 2/630G02006
Subjects that are recommended to be taken simultaneously
Subjects that continue the syllabus
Other comments
The use of mobile phones in the theoretical classes for non-academic purposes is not allowed. Failure to comply with this rule may result in 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.