UNIVERSIDADE DA CORUÑA

| Teaching Guide | | | | |
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| Identifying Data | | | | 2019/20 |
| 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 | Basic training | 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<br>Caridad Yañez, Eduardo<br>Castro García, Óscar<br>Doce Porto, Juan Manuel<br>Lizancos Mora, Plácido<br>Zas Gomez, Evaristo | | E-mail | antonio.amado@udc.es<br>eduardo.caridad@udc.es<br>oscar.castro@udc.es<br>juan.doce@udc.es<br>placido.lizancos@udc.es<br>evaristo.zas@udc.es |
| Web | | | | |
| General description | The objective of this subject is to develop the students' capabilities for the analysis of architectural space and its representation by means of graphic languages and architectural models. | | | |

| Study programme competences / results | |
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| 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 |
| A5 | "Knowledge of the metric and projective geometry adapted and applied to architecture and urbanism " |
| A6 | "Knowledge of graphic surveying techniques at all stages, from the drawing sketches to scientific restitution, adapted and applied to architecture and urbanism " |
| A34 | Ability to design, implement and develop sketches and drafts, concept designs, developed designs and technical designs (T) |
| A40 | Ability to practise architectural criticism |
| A48 | Adequate knowledge of general theories of form, composition and architectural types |
| A49 | Adequate knowledge of the general history of architecture |
| 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 |
| 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 |

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| 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 | | | |
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| Learning outcomes | Study programme competences / results | | |
| 1. Know and use the different types of drawings and their application to the phases of architectural activity. | A1<br>A2<br>A3<br>A4<br>A5<br>A34<br>A40<br>A63 | B1<br>B2<br>B3<br>B4<br>B5<br>B6<br>B7<br>B12 | C1<br>C2<br>C3<br>C4<br>C5<br>C6<br>C7<br>C8 |
| 2. Identify and analyze the determining aspects of the architectural space. | A1<br>A2<br>A3<br>A4<br>A5<br>A34<br>A40<br>A48<br>A49 | B2<br>B3<br>B4<br>B5<br>B6<br>B7<br>B12 | C1<br>C2<br>C3<br>C4<br>C5<br>C6<br>C7<br>C8 |
| 3. Know and use the techniques for the representation of the architectural space and its analysis by means of graphic tools and architectural models. | A1<br>A2<br>A3<br>A4<br>A5<br>A6<br>A34<br>A40<br>A48<br>A49<br>A63 | B2<br>B3<br>B4<br>B5<br>B6<br>B7<br>B12 | C1<br>C2<br>C3<br>C4<br>C5<br>C6<br>C7<br>C8 |

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| 4. Conocer y utilizar las metodologías del análisis espacial. | A1<br>A2<br>A3<br>A4<br>A5<br>A6<br>A34<br>A40<br>A48<br>A49<br>A63 | B2<br>B3<br>B4<br>B5<br>B6<br>B7<br>B12 | C1<br>C2<br>C3<br>C4<br>C5<br>C6<br>C7<br>C8 |

| Contents | |
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| **Topic** | **Sub-topic** |
| 1. Presentation of the subject Detailed explanation of the Teaching Guide. | Agenda, organization, objectives and methodology. Working material and bibliography. The spaces of matter: the classrooms. Matter times: calendar.<br>The evaluation system.<br>The importance of the subject in the Curriculum and in the architecture. |
| 2. Presentation of the course | Explanation of the course's argument: work dynamics, objectives. Presentation of the case studies.<br>Proposal of the first "Case study" as methodological essay. |
| 3. Advanced architectural graphic representation | The different dimensions of the architectural process and its graphic representation: devise, analyze, communicate and produce. |
| 4. Introduction to graphic tools for architectural analysis | Representation for architectural analysis: diagrams, diagrams, images, collages, models, etc.<br>The organization of information for architectural analysis. |
| 5. Spatial analysis I | Fundamentals Space as the essence of architecture.<br>The sensory perception of architecture.<br>Space, time and architecture. |
| 6. Graphical Methodologies I | Graphic methodologies for the representation and analysis of the architectural space. |
| 7. Spatial analysis II | Light in the definition of architecture Light and spatial perception.<br>Construction of space through light. |
| 8. Graphic methodologies II. | Graphic methodologies for the representation and analysis of light in architecture. |
| 9. The "parti" | Identification of the main idea of ??the project.<br>Graphic methodologies for the representation of the "parti". |

| Planning | | | | |
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| **Methodologies / tests** | **Competencies / Results** | **Teaching hours (in-person & virtual)** | **Student?s personal work hours** | **Total hours** |
| Guest lecture / keynote speech | A3 A4 A5 A40 B2 B4 B6 B7 C4 C7 C8 | 13 | 7 | 20 |
| Supervised projects | A1 A2 A3 A4 A5 A6 A34 A40 A48 A49 A63 B1 B2 B3 B4 B5 B6 B7 B12 C1 C2 C3 C4 C5 C6 C7 C8 | 28 | 60 | 88 |

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| Workshop | A1 A2 A3 A4 A5 A6 A34 A40 A48 A49 A63 B1 B2 B3 B4 B5 B6 B7 B12 C1 C2 C3 C4 C5 C6 C7 C8 | 15 | 20 | 35 |
| Objective test | A1 A2 A3 A4 A5 A6 A34 A40 A48 A49 A63 B1 B2 B3 B4 B5 B6 B7 B12 C1 C2 C3 C4 C5 C6 C7 C8 | 4 | 0 | 4 |
| Personalized attention | | 3 | 0 | 3 |
| **(*)The information in the planning table is for guidance only and does not take into account the heterogeneity of the students.** | | | | |

| Methodologies | |
|---|---|
| **Methodologies** | **Description** |
| Guest lecture / keynote speech | Introduction of fundamental theoretical concepts, graphical methodologies and presentation of case studies. |
| 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. |
| Workshop | Space of confluence between the subjects Architectural Analysis 1 and Projects 2. |
| Objective test | Os coñecementos e habilidades adquiridos ao longo do curso serán avaliados nun ou varios exames obxectivos ao longo do curso. |

| Personalized attention | |
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| **Methodologies** | **Description** |
| Workshop<br>Supervised projects<br>Objective test | The evaluation is a continuous process in which the activity developed by the students is monitored and registered. Periodically objective tests may be carried out to determine the level of knowledge acquisition on the analysis methodologies and the graphic skills of the student body. Periodically and - in any case, whenever the students require it - they will be personally informed of the level reached by their activities in relation to the programmatic objectives of the subject.<br>At all times during the course, the faculty will provide the student with additional support to the teacher individually, at a known time. |

| Assessment | | | |
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| **Methodologies** | **Competencies / Results** | **Description** | **Qualification** |
| Workshop | A1 A2 A3 A4 A5 A6 A34 A40 A48 A49 A63 B1 B2 B3 B4 B5 B6 B7 B12 C1 C2 C3 C4 C5 C6 C7 C8 | The Workshop is an area where students apply their knowledge and skills. By coming together with architectural projects this fact could be verified on the students' own projects. | 15 |
| Supervised projects | A1 A2 A3 A4 A5 A6 A34 A40 A48 A49 A63 B1 B2 B3 B4 B5 B6 B7 B12 C1 C2 C3 C4 C5 C6 C7 C8 | The objective of the subject is to train students in the analysis of architectural spaces and in the management of information sources, all based on real case studies.<br>This is articulated in a Tutored Work, original and unpublished, which must be carried out throughout the teaching period in accordance with a scientific methodology, matching the theoretical knowledge taught by the teaching staff.<br>A final document will be produced where all its contents will be expressed with communicative procedures typical of architecture professionals. | 65 |

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| Objective test | A1 A2 A3 A4 A5 A6 A34 A40 A48 A49 A63 B1 B2 B3 B4 B5 B6 B7 B12 C1 C2 C3 C4 C5 C6 C7 C8 | The student must obtain a grade higher than five (5) points on (10) in the objective assessment tests to pass the subject. | 20 |

| Assessment comments |
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| 1. Attendance Students 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.<br><br>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.<br><br>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.<br>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.<br><br>3. Opportunities. To pass the subject students will have two opportunities: June and July. Anyone who does not pass the first opportunity may present himself to the second. In both cases it is practical graphic evidence.<br><br>4. Mobility.<br><br>The teaching of students from mobility programs will be based on specific pedagogical, linguistic and scheduling conditions and the performance of special tutored jobs. |

| Sources of information | |
|---|---|
| Basic | - Balmer, J. e Swisher, M. (2012). Diagramming the Big Idea: Methods for architectural composition. Routledge<br>- Ching, Frank (1988). Arquitectura: forma, espacio y orden..<br>- Ching, Frank (1989). Dibujo y proyecto.<br>- Fraser & Henmi (1994). Envisioning architecture. An analysis of drawing..<br>- Mc. Quaid (2003). Envisioning architecture. Drawings from the Museum of Modern Art. the Museum of Modern Art. Nova York<br>- Michel, Lou (1996). Light. The shape of space..<br>- Montaner, Josep M. (2014). Del diagrama a las experiencias, hacia una arquitectura de la acción.. Gustavo Gili<br>- Moo Zell (2008). The architectural Drawing Course..<br>- Norberg- Schulz, Christian (1967). Intenciones en arquitectura.. |

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| Complementary | - Amado Lorenzo, Antonio e Franco Taboada, Juan Manuel (2013). Wright: Debuxo II, análisis gráfico arquitectónico 2º, memoria docente curso 2003/2004. Repositorio UDC. http://hdl.handle.net/2183/10020<br>- Amado Lorenzo, Antonio e Franco Taboada, Juan Manuel (2014). Arquitecturas para la Moda. Repositorio UDC. http://hdl.handle.net/2183/14685<br>- 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. http://ruc.udc.es/dspace/handle/2183/18342<br>- Amado Lorenzo, Antonio e Franco Taboada, Juan Manuel (2007). Aalto, Alvar: Debuxo II, análisis arquitectónico 2º, memoria docente curso 2004/2005. Repositorio UDC. http://ruc.udc.es/dspace/handle/2183/18341<br>- 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 UDC http://hdl.handle.net/2183/21620<br>- Lizancos, P. e LLano, P. de. (2014). Desvelar a arquitectura. Análise Arquitectónica nos Proxectos Fin de Carreira. Cadernos PFC. Universidade da Coruña<br>- Llano, 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 |
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| **Subjects that it is recommended to have taken before** |
| Drawing in Architecture/630G02002<br>Analysis of Architectural Forms/630G02007<br>Architectural Design 1/630G02001 |
| **Subjects that are recommended to be taken simultaneously** |
| Architectural Design 2/630G02006 |
| **Subjects that continue the syllabus** |
| Architectural Analysis 2/630G02017 |
| **Other comments** |
| The use of mobile phones, tablets or computers is not allowed during the theoretical sessions, for non-academic purposes. 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.**