



| Teaching Guide | | | | |
|---------------------|--|--------|--|---------|
| Identifying Data | | | | 2023/24 |
| Subject (*) | Construction 2 | Code | 630G02020 | |
| Study programme | Grao en Estudos de Arquitectura | | | |
| Descriptors | | | | |
| Cycle | Period | Year | Type | Credits |
| Graduate | 1st four-month period | Second | Obligatory | 6 |
| Language | Spanish | | | |
| Teaching method | Face-to-face | | | |
| Prerequisites | | | | |
| Department | Construcións e Estruturas Arquitectónicas, Cívís e Aeronáuticas | | | |
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| Web | | | | |
| General description | | | | |

| Study programme competences / results | |
|---------------------------------------|---|
| Code | Study programme competences / results |
| A12 | Ability to conceive, calculate, design, integrate in buildings and urban units and execute building structures (T) |
| A13 | Ability to conceive, calculate, design, integrate in buildings and urban units and execute interior partition walls, carpentry, stairs and other finished work (T) |
| A14 | Ability to conceive, calculate, design, integrate in buildings and urban units and execute exterior walls and cladding, roofing and other structural work (T) |
| A15 | Ability to conceive, calculate, design, integrate in buildings and urban units and execute foundation solutions (T) |
| A17 | Ability to apply technical and construction standards and regulations |
| A18 | Ability to maintain building structures, foundations and civil works |
| A20 | Ability to assess the construction works |
| A21 | Ability to maintain the structural work |
| A25 | Adequate knowledge of conventional construction systems and pathology |
| A26 | Adequate knowledge of the physical and chemical characteristics, production procedures, pathology and use of building materials |
| A31 | Knowledge of methods of measurement, assessment and expert's report |
| 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 |
| 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 | Adequate oral and written expression in the official languages. |
| 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 | |
| | | A12 | B1 |
| | | A13 | B2 |
| | | A14 | B3 |
| | | A15 | B4 |
| | | A17 | B5 |
| | | A18 | B6 |
| | | A20 | B7 |
| | | A21 | B9 |
| | | A25 | B10 |
| | | A26 | B11 |
| | | A31 | B12 |
| | | A63 | |
| | | | C1 |
| | | | C3 |
| | | | C4 |
| | | | C5 |
| | | | C6 |
| | | | C7 |
| | | | C8 |

| Contents | |
|----------|-----------|
| Topic | Sub-topic |
| | |

| Planning | | | | |
|--------------------------------|---|--------------------------------------|-------------------------------|-------------|
| Methodologies / tests | Competencies / Results | Teaching hours (in-person & virtual) | Student's personal work hours | Total hours |
| Guest lecture / keynote speech | A12 A13 A14 A15 A17 A18 A20 A21 A25 A26 A31 A63 B1 B2 B3 B4 B5 B6 B7 B9 B10 B11 B12 C1 C3 C4 C5 C6 C7 C8 | 28 | 28 | 56 |
| Workshop | A12 A13 A14 A15 A17 A18 A20 A21 A25 A26 A31 A63 B1 B2 B3 B4 B5 B6 B7 B9 B10 B11 B12 C1 C3 C4 C5 C6 C7 C8 | 28 | 62 | 90 |



| | | | | |
|---------------------------|---|---|---|---|
| Objective test | A12 A13 A14 A15 A17 A18 A20 A21 A25 A26 A31 A63 | 1 | 0 | 1 |
| Multiple-choice questions | A12 A13 A14 A15 A17 A18 A20 A21 A25 A26 A31 A63 | 0 | 2 | 2 |
| 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 |
| Guest lecture / keynote speech | |
| Workshop | |
| Objective test | |
| Multiple-choice questions | |

| Personalized attention | |
|------------------------|-------------|
| Methodologies | Description |
| Workshop | |

| Assessment | | | |
|---------------------------|---|-------------|---------------|
| Methodologies | Competencies / Results | Description | Qualification |
| Workshop | A12 A13 A14 A15 A17 A18 A20 A21 A25 A26 A31 A63 B1 B2 B3 B4 B5 B6 B7 B9 B10 B11 B12 C1 C3 C4 C5 C6 C7 C8 | | 50 |
| Objective test | A12 A13 A14 A15 A17 A18 A20 A21 A25 A26 A31 A63 | | 25 |
| Multiple-choice questions | A12 A13 A14 A15 A17 A18 A20 A21 A25 A26 A31 A63 | | 25 |

| Assessment comments |
|---------------------|
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| Sources of information | |
|------------------------|---------------|
| Basic | Complementary |
| | |

| Recommendations | |
|--|--|
| Subjects that it is recommended to have taken before | |
| Construction 1/630G02010 | |
| Subjects that are recommended to be taken simultaneously | |
| | |



Architectural Design 2/630G02006

Subjects that continue the syllabus

Construction 3/630G02022

Other comments

(*)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.