



## Teaching Guide

Identifying Data					2022/23
Subject (*)	Urbanism 5		Code	630G02042	
Study programme	Grao en Estudos de Arquitectura				
Descriptors					
Cycle	Period	Year	Type	Credits	
Graduate	1st four-month period	Fifth	Obligatory	6	
Language	SpanishGalicianEnglish				
Teaching method	Face-to-face				
Prerequisites					
Department	Proxectos Arquitectónicos, Urbanismo e Composición				
Coordinador	Rodriguez Alvarez, Jorge	E-mail	jorge.ralvarez@udc.es		
Lecturers	Diaz Revilla, Alfonso Llamazares Castro, Jesus Rodriguez Alvarez, Jorge Seoane Prado, Enrique	E-mail	a.diaz.revilla@udc.es j.llamazares@udc.es jorge.ralvarez@udc.es enrique.seoane@udc.es		
Web					
General description	<p>Urbanism 5 is focused on the development of urban planning and design competences. For this reason, it follows an eminently practical orientation, addressing some of the most relevant issues in contemporary urban practice, not least aspects of sustainability, equality, management, economics as well as the legal framework and planning processes. Learning is structured around a series of practical exercises and course projects, in which the concepts and tools introduced in the lecture sessions are applied. The course project will address an unfinished area of the city, typically equivalent to a Not Consolidated Urban Land (in the planning jargon), in which an urban regeneration operation adapted to current and future conditions is relevant. The urban figure of reference will be the Special Interior Reform Plan (PERI), which should aim to provide this area with the necessary infrastructure, integration of uses and building types, based on the formalization of the public and private collective space, on the improvement of urbanization, and in the adequate response to existing conditions, through regenerative responses in its environmental and building aspects. The subject will also support the Workshop of the ninth semester, following the calendar, guidelines and exercises agreed with the subject Architectural Projects 8, which coordinates such Workshop.</p>				

## 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
A6	"Knowledge of graphic surveying techniques at all stages, from the drawing sketches to scientific restitution, adapted and applied to architecture and urbanism "
A10	"Knowledge of basic topography, hypsometry, mapping and earthmoving techniques 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)
A35	Ability to design, implement and develop urban projects (T)
A36	Ability to design, implement and develop construction management (T)
A37	Ability to develop functional programs for buildings and urban spaces (T)
A39	Ability to remove architectural barriers (T)
A41	Ability to solve the passive environmental conditioning, including thermal and acoustic insulation, climate control, energy efficiency and natural lighting (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)
A52	"Adequate knowledge of ecology, sustainability and the principles of conservation of energy and environmental resources. "
A53	Adequate knowledge of the architectural, urban and landscape traditions of Western culture, as well as their technical, climatic, economic, social and ideological foundations.
A55	Adequate knowledge of the relationship between cultural patterns and social responsibilities of the architect
A58	Adequate knowledge of the methodological foundations of territorial, metropolitan and urban planning.
A59	Knowledge of the mechanisms of development and management of urban planning at all scales
A60	Knowledge of the legal framework in terms of civil laws, administration, planning, construction and building industry according to the professional practice
A61	Knowledge of feasibility analysis and the surveillance and coordination of integrated projects
A62	Knowledge of real estate valuation
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
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
B8	Knowing the urbanism and techniques applied in the planning process
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
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<p>Acquire knowledge to project, plan, coordinate and direct the design and execution of urban infrastructures, incorporating criteria of sustainability, minimum environmental impact, economy and resilience.</p>	<p>A34 A35 A36 A37 A39 A41 A42 A44 A45 A46 A47 A52 A53 A55 A58 A59 A60 A61 A62 A63</p>	<p>B4 B5 B8 B11 B12</p>	<p>C1 C3 C4 C5 C6 C7 C8</p>
<p>Acquire knowledge to project, plan, coordinate and direct the design and execution of public or private outdoor spaces, with sustainability, comfort and landscape integration criteria.</p>	<p>A55 A58 A59 A60 A61 A62 A63</p>	<p>B11 B12</p>	<p>C6 C8</p>
<p>Learn to organize the process of construction, transformation, conservation and regeneration of human settlements; giving priority to the landscape, the treatment of form and space based on a design, perfecting the student's ability to intervene professionally in the different urban and / or rural areas, in relation to normative, constructive, environmental, social and of temporal and economic planning that an intervention of this type entails.</p>	<p>A34 A35 A36 A37 A39 A41 A42 A44 A45 A46 A47 A52 A53</p>	<p>B4 B5 B8</p>	<p>C1 C3 C4 C5 C7</p>
<p>Learn to prepare adequate cartographic documentation for the analysis and effective transmission of information and urban planning.</p>	<p>A1 A2 A3 A6 A10 A59</p>	<p>B4 B8</p>	<p>C3 C6 C8</p>

Contents	
Topic	Sub-topic



Urban Planning Representation Techniques	<ul style="list-style-type: none"> <li>- Geographic information systems</li> <li>- Conventions, notations and technical standards of planning</li> </ul>
The urban planning system	<ul style="list-style-type: none"> <li>- General Framework: types of plans, objectives, processes, phases, scope and application</li> <li>- Land classification: Land classes, delimitation criteria, classification effects, sectoral regulations and their limitations</li> <li>- Development planning: types and scope of development plans, relationship with the general plan, urban standards, management criteria.</li> <li>- Special plans: objectives and scope of special plans, types of special plans, design criteria, examples.</li> <li>- Ordinances and typologies: ordinance as a mediator between the architectural project and urban planning; the definition of the ordinance, its interpretation and application; the details of the ordinance that define urban quality; urban typologies and urban parameters</li> <li>- Economy and planning: concept of costs and benefits; consideration of cost and benefit in the definition of planning; economic studies as part of the plan.</li> <li>- Sustainability and planning: the impact of urban activities, assessment tools, mitigation strategies, climate emergency and resilience, global context (SDG, Urban Agenda, European Green Deal, etc ...)</li> </ul>
Urbanization projects	<ul style="list-style-type: none"> <li>- General framework: scope, objectives, contents, relationship with the other phases of the planning process</li> <li>- Public space design: scope, criteria, accessibility, inclusion, participation.</li> <li>- Streets design and layout: the street as an articulating element of social relations; multimodal urban mobility (motorized and non-motorized vehicles, public transport, pedestrian ...) and their associated spaces; design strategies for a human-scale city.</li> <li>- Urban Infrastructures: service networks (lighting, sanitation, stormwater management, supply, energy), design and layout criteria, integration and coordination, sustainability.</li> </ul>

Planning				
Methodologies / tests	Competencies	Ordinary class hours	Student?s personal work hours	Total hours
Workshop	A34 A35 A36 A37 A39 A41 A42 A44 A45 A46 A47 A52 A53 A55 A58 A60 A61 A62 A63 B4 B5 B8 B11 C1 C3 C4	24	48	72
Collaborative learning	A1 A2 A3 A6 A10 A34 A35 A36 A37 A39 A41 A42 A44 A45 A46 A47 A52 A53 A55 A58 A59 A60 B5 B8 B11 B12 C1 C3 C4 C5 C7 C8	10	10	20
Guest lecture / keynote speech	A52 A53 A55 A58 A59 A61 B8 B11	10	10	20
Document analysis	C3 C4 C5 C8	1	1	2



Mixed objective/subjective test	A35 A52 A53 A55 A58 A59 A60 B8 C1	1	2	3
Seminar	A1 A2 A3 A6 A10 C6	10	10	20
Events academic / information	A1 A55 C4	2	4	6
Practical test:	A34 A35 A36 A37 A39 A41 A42 A45 A46 A47 A52 A53 A59	2	4	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
Workshop	Organization of the class in small groups in which the students work together in the resolution of an urban planning in an area proposed by the tutors. The coursework will be developed in face-to-face sessions and each week the progress will be reviewed according to the marked schedule.
Collaborative learning	Exercises guided in person and / or supported with information and communication technologies, which are based on the organization of the class in small groups in which students work together to solve tasks assigned by teachers to optimize their own learning and that of other members of the group. Part of this work will be done in support of the program coordinated by Projects 8.
Guest lecture / keynote speech	Each week, a topic will be introduced by the lecturers. The student will have to supplement this presentation with the reading of recommended bibliography extracts. Attendance to lectures is mandatory, with a maximum of 20% of unexcused absences admitted. Sessions will be strictly timely. The use of mobile devices (such as computers, tablets or phones) will not be allowed during the course of the class
Document analysis	An important part of coursework consists in selecting the relevant information and data. Therefore, the student should be familiar with the instruments of the discipline. In addition, the existing cartographic bases in the different institutional repositories will be used.
Mixed objective/subjective test	Assessment exam for the level of knowledge of the contents of the subject. The test may include short answer questions, multiple choice questions, diagrams, drawings or sketches.
Seminar	Group work sessions focused on the introduction to Geographic Information Systems
Events academic / information	Preparation of material synthesis of the coursework for end of year exhibition organized by the Department of Architectural Projects, Urbanism and Composition: "Architectures in Process. DPAUC" (panels, models, drawings, videos, texts, representations, etc).  Attendance at dissemination events (congresses, conferences, symposiums, seminars, etc.), organized by the ETSAC, the DPAUC, etc., indicated by the teaching staff of the subject as part of the teaching content of the subject, with the aim of providing students current knowledge and experience related to a particular field of study
Practical test:	Individual test that will consist of the resolution, at sketch-preliminary design level, of an intervention program on a given site.

Personalized attention	
Methodologies	Description
Seminar Workshop Collaborative learning	The coursework will be carried out according to the guidelines of the tutors. Workshops will be held in the classroom where the tutor will be available to answer questions. The follow-up of the activities will be carried out in the individual or team corrections. Tutors will collect clues about the individual follow-up of the course, which will be part of the assessment. Common questions can be solved via Moodle

Assessment			
Methodologies	Competencies	Description	Qualification



Practical test:	A34 A35 A36 A37 A39 A41 A42 A45 A46 A47 A52 A53 A59	The capacity for effective interpretation and resolution of the proposed problem will be assessed, taking into account local, programmatic, environmental, topographic or regulatory restrictions.	10
Workshop	A34 A35 A36 A37 A39 A41 A42 A44 A45 A46 A47 A52 A53 A55 A58 A60 A61 A62 A63 B4 B5 B8 B11 C1 C3 C4	Active participation in the classroom, attendance, adequate progress in work and the fulfillment of the specific objectives proposed in the workshop statement will be evaluated. The works will include a part of the group and an individual development. Each of these parts will be assessed independently and both parties will have to approve.	40
Collaborative learning	A1 A2 A3 A6 A10 A34 A35 A36 A37 A39 A41 A42 A44 A45 A46 A47 A52 A53 A55 A58 A59 A60 B5 B8 B11 B12 C1 C3 C4 C5 C7 C8	Participation will be evaluated actively, critical attitude, architectural and urban culture and the ability to articulate and expose public-motivated opinions.	30
Mixed objective/subjective test	A35 A52 A53 A55 A58 A59 A60 B8 C1	The acquisition of the theoretical knowledge introduced in the course will be evaluated	10
Events academic / information	A1 A55 C4	Preparation of material summarize the coursework for the end of year exhibition organized by the Department of Architectural Projects, Urban Planning and Composition: "Architectures in Course. DPAUC" (panels, models, drawings, videos, texts, performances , etc.).	10

## Assessment comments



Regarding the general evaluation of the course, the following aspects will be assessed: attendance and participation in class and workshops, evaluation of group work, evaluation of individual work, final test (mixed and practical).

To pass the course it is necessary to pass each of these items:

-Class attendance: minimum 80% of lecture sessions and 80% of interactive sessions. In addition, the teaching staff will assess whether the assistance is active through participation in the lecture sessions (answering questions posed), in team corrections, or individually. Active participation may be valued as an increase in the final grade.

-Workshop (U5): minimum 5

-Collaborative learning (Workshop): minimum 5

-Mixed test: minimum 5

-Practical exam: minimum 5

In the case of Fail in one of the items at the first opportunity, this item must be repeated and submitted at the second opportunity. Therefore, a list with the parts to be repeated will be provided. The grade of the first opportunity will be "Fail" if any of the items has been submitted, but not passed or "Not Submitted" (No Presentado) if any of the assessable items has been submitted.

For students with recognition of part-time dedication according to the "Norm that regulates the regime of dedication to study of undergraduate students at the UDC" the minimum class attendance will be 60%, both in the interactive sessions and in the expository sessions. The rest of the evaluation items will be the same as in the general case. In relation to the final test, the provisions in article 12 of the "Norms for Evaluation, Review and Claim of Qualifications for University Master's and Bachelor's Studies at the UDC" (consolidated version 2017) will apply.

Academic waiver: it is not contemplated, as it is a subject in which the workshop is the fundamental methodology.

The detection of plagiarism, as well as the fraudulent performance of tests or evaluation activities, once verified, will directly imply the grade of failing "0" in the subject in the corresponding call, thus invalidating any grade obtained in all evaluation activities. ahead of the extraordinary call.

Second opportunity:

To pass the course at the second opportunity, it is necessary to repeat the assessable items in which a Pass has not been achieved.

The course work (Planning and Collaborative Learning Workshop-Urbanization) will be re-elaborated, amended or completed according to the indications of the tutors of the course. For this, it is recommended that students make use of academic tutorials with their corresponding tutors during the second semester. The coursework will be submitted, at most, up to one week before the second opportunity exam.

Students who have pending work not delivered will not be able to take the exam.

To pass the subject on the second chance, it is necessary to achieve a 5 each of the assessable elements:

- Workshop (U5): minimum 5

-Collaborative learning (Workshop): minimum 5

-Mixed test: minimum 5

-Practical exam: minimum 5

Students who have not met the minimum class attendance during the term will not be eligible for a positive evaluation.

If one or more of these elements does not achieve the Pass evaluation threshold, the final mark will be Fail. However, active participation in class, during the term, demonstrating an adequate knowledge of the contents of the subject may be valued by the teaching staff in borderline situations regarding the practical test or the mixed test.



<b>Basic</b>	<p>Ashihara, Y. (1982). El diseño de espacios exteriores. Barcelona:Gustavo GiliBentley, Alcock,Murray McGlynn, Smith (1999). Entornos vitales. Hacia un entorno urbano y arquitectónico más humano. Manual Práctico. Barcelona:Gustavo GiliBusquets, J &amp; Corra, F. (2006). Ciudades X Formas. Una nueva mirada hacia el proyecto urbanístico. Harvard UniversityCorominas, M. Sabaté, J. Sotoca, A. (2007). Planes muy especiales. COAC Escola SertDALDA ESCUDERO, Juan Luís. DRU-2. Teoría y método del planeamiento general y urbano. A Coruña: Departamento de Proxectos Arquitectónicos e Urbanismo, Universidade da Coruña, 2009Fariña Tojo, J. (2015) Clima Territorio y Urbanismo. Universidad Politécnica de Madrid.Fernández Prado, M. Rodríguez Álvarez, J. ed. (2013)DRU 7: Miscelánea Urbanística:Experiencias, retos e instrumentos. Departamento de Proyectos Arquitectónicos y Urbanismo. Universidade da CoruñaForman, R. T.T. (2007) Urban Regions. Ecology and Planning Beyond the City. Cambridge University Press.Gehl, J. &amp; Svarre B. (2013) How to study public life. Island PressGehl, J. (2006). La humanización del espacio urbano. La vida social entre los edificios. Barcelona:Editorial RevertéGehl, J. (2010) Ciudades para la gente. Ediciones InfinitoGONZÁLEZ-CEBRIÁN TELLO, José Juan. DRU-3. Intervención sobre el Medio Rural en Galicia. Una aproximación a su realidad territorial. A Coruña: Departamento de Proxectos Arquitectónicos e Urbanismo, Universidade da Coruña, 2009.GONZÁLEZ-CEBRIÁN TELLO, José Juan; GONZÁLEZ HARGUINDEY, Javier; PEÑA PEREDA, Felipe (coords.). DRU-6. Juan Luís Dalda Escudero. Urbanista. A Coruña: Departamento de Proxectos Arquitectónicos e Urbanismo, Universidade da Coruña, 2011Herce, M. (2009). Sobre la movilidad en la ciudad. Barcelona:Editorial RevertéMcCluskey, J. (1985). El diseño de vías urbanas. Barcelona:Gustavo GiliMcCluskey, J. (1987). Parking. Manual de diseño ambiental. Barcelona:Gustavo GiliMcHarg, I. (1972) Design with Nature New York Doubleday &amp; Company 1972 Salvador Palomo, P. J. (2003). La planificación verde en las ciudades. Gustavo Gili.Sennett, R. (2018) Living and Dwelling. Ethics for the City. Penguin BooksSennett, R. (2020) Construir y Habitar. Ética para la ciudad. AnagramaSim, D. (2019) Soft City: Building Density for Everyday Life. Island PressSolá-Morales,M. (1987). El proyecto urbano I. UR N5Solá-Morales,M. (1988). El proyecto urbano II. UR N6</p>
<b>Complementary</b>	

### Recommendations

#### Subjects that it is recommended to have taken before

Urbanism 1/630G02018  
 Urbanism 4/630G02032  
 Urbanism 3/630G02029  
 Urbanism 2/630G02024

#### Subjects that are recommended to be taken simultaneously

Architectural Design 8/630G02036

#### Subjects that continue the syllabus

Landscape and Sustainable Habitat/630G02056  
 Contemporary Urban Actions/630G02060

#### 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.