1. BASIC INFORMATION

Course	Urban Development Basics
Degree program	Fundamentals of Architecture
School	Architecture, Engineering and Design
Year	1st
ECTS	6 ECTS
Credit type	Mandatory
Language(s)	80% English 20% Spanish
Delivery mode	Face-to-face
Semester	Second Semester
Academic year	2024/2025
Coordinating professor	Mateus Porto Schettino

2. PRESENTATION

The course is the first approach to the theoretical and analytical view of the city. It is the first meeting of the student with the materials of planning, so that learning is suggested as an approach to the basics of the discipline from the understanding of the city as a whole, the urban network and its
The course will develop the basic tools and knowledge needed to enter, in later courses, in the discipline of Urban Planning and Urban Design.
The focus of the course is primarily analytical with an advance of propositions: is based on a graphic and theoretical analysis of the urban phenomenon in a comprehensive manner at different scales, from the territory to the city.
The subject is organized throughout a historical overview. It starts with the understanding of the formation and evolution of the traditional urban system – analysing the territorial reality, the formation parameters, the urban tissues and the space of the city-, to reach the comprehension of today's cities form and the urban features of the contemporary city – analysing deeply the existing reality and the futures conditions (Consumption 0).

3. COMPETENCIES AND LEARNING OUTCOMES

Core competencies:

- CB1 That students have demonstrated knowledge and understanding in a field of study that is based on general secondary education, at a level which, although supported by advanced textbooks, imply some knowledge of the vanguard of their field of study.CB3: Que los estudiantes tengan la capacidad de reunir e interpretar datos relevantes (normalmente dentro de su área de estudio) para emitir juicios que incluyan una reflexión sobre temas relevantes de índole social, científica o ética.
- CB2 That 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.

- CB3 That students have the ability to gather and interpret relevant data (usually within their field of study) to make judgements that include reflection on relevant social, scientific or ethical issues.
- CB4 That students can communicate information, ideas, problems and solutions to both the specialist and non-specialist.
- CB5 That students have developed the necessary learning skills to undertake further studies with a high level of autonomy.
- CG1 Knowledge of the history and theories of architecture and the related arts, technologies and human sciences;
- CG3 Knowledge of urban design, and the skills involved in the planning process;
- CG7 Understanding of the relationship between people and buildings, and between these and their environment, and of the need to relate buildings and the spaces to human needs and scale.

Cross-curricular competencies:

- CT01 Responsibility: aptitude or capacity to face responsibility that the profession of architect has in society, particularly when elaborating projects that take into consideration social and environmental factors.
- CT02 Self-confidence.
- CT03 Awareness of ethical values: ethical commitment, which includes the understanding and knowledge of the rights and duties of individuals and professional people, fostering respect for human rights, the protection of the most vulnerable members of society and respect for the environment.
- CT04 Communication skills in the native language (both oral and written) and in the English language, in accordance with the principles the Universidad Europea de Madrid, any concept or specification for the development of the regulated profession of architect. This includes learning the specific vocabulary of the degree as well as the ability to manage information.
- CT05 Interpersonal skills.
- CT06 Flexibility
- CT07 Teamwork: Ability to work in teams of architects, or in interdisciplinary teams (with shared responsibility in many cases), managing and planning work groups that are necessary in the scheme of competences and tasks that are defined for projects of a certain scale, in which several disciplines come together. This ability includes skills for interpersonal relations and team leadership.
- CT08 Initiative and the spirit of an entrepreneur, both in the area of architecture as well as in business.
- CT09 Planning and time management: Ability to plan work in order to comply with delivery times and to respect the limits imposed by budgets and building codes.
- CT10 Innovation and creativity: Creativity, imagination and aesthetic sensitivity applied to the design in order to satisfy the both the aesthetic and technical demands. This competence includes critical reasoning and historical culture.

Specific competencies:

- CE10 Knowledge of basic topography, hypsometry, mapping and earthmoving techniques, adapted and applied to architecture and urbanism.
- CE51 Adequate knowledge of the methods for studying social needs, quality of life, habitability and basic housing programmes.
- CE52 Adequate knowledge of ecology, sustainability and the principles of conservation of energy and environmental resources.
- CE53 Adequate knowledge of the architectural, urban and landscaping traditions of western culture, as well as their technical, climatic, economic, social and ideological foundations.
- CE57 Adequate knowledge of urban sociology, theory, economics and history.

Learning outcomes:

- LO1 Acquire the graphic and theoretical tools to deal with the analysis and diagnostic process in urban interventions.
- LO2 Acquire a theoretical and overall view of the city, of the urban network and their integration into the surrounding landscape.

- LO3 Understand basic concepts related to the representation of the land and the basic urban parameters.
- LO4 Understand how cities are formed and their subsequent development.
- LO5 Understand the basic concepts and schema in which the rest of urban studies will be developed during the degree course.
- LO6 Understand the ecological sense of the nature and location of the sites.
- LO7 Make in-depth searches for references, databases, and basic bibliographic sources related to knowledge of the environment and of urban statistics.
- LO8 Acquire the skills to plan work, both individually and in a group.

The following table shows the relationship between the competencies developed during the course and the learning outcomes pursued:

Competencies	Learning outcomes
CB1, CG2, CT10, CE1	LO1 Acquire the graphic and theoretical tools to deal with the analysis and diagnostic process in urban interventions.
CB5, CG1, CG2, CG7, CT10	LO2 Acquire a theoretical and overall view of the city, of the urban network and their integration into the surrounding landscape.
CB2, CB4, CT4, CT5, CT10	LO3 Understand basic concepts related to the representation of the land and the basic urban parameters.
CT9	LO4 Understand how cities are formed and their subsequent development.
CB2, CT4, CT5, CT6	LO5 Define the city planning instruments and the basis for the management of those processes.
CT1, CT6, CT9	LO6 Understand the ecological sense of the nature and location of the sites.
CB3, CB5	LO7 Make in-depth searches for references, databases, and basic bibliographic sources related to knowledge of the environment and of urban statistics. LO8 Acquire the skills to plan work, both individually and in a group.

4. CONTENT

The subject is organized into two Learning Units (LU), which are divided into themes each (depending on the units).

LU1. CITY HISTORY:
- Urban processes: time and place
- Evolutionary concepts: the urban pre-history, the adjustment to the context and other training parameters, Extension vs. Urban reform, Utopia and Planning. The consolidated urban fabrics.
- Planned intervention models: the understanding of the contemporary urban fact.

LU2. URBAN DEVELOPMENTS BASICS.
- Knowledge and interpretation of the physical environment (biotic and abiotic)
- Knowledge and interpretation of the human environment, sociology and urban economy.
- Use, construction and transformation of the city and the urban space: groups and social relations.
- Ecology (physical geography): the ecological sense of the form and situation of cities.
- City, parts, public space: the scales of the phenomenon and urban planning
- Urban morphology: forms of growth, elements and urban parameters.
- Urban uses and functions: analysis and understanding.

5. TEACHING-LEARNING METHODOLOGIES

The types of teaching-learning methodologies used are indicated below:

- Master lectures/classes
- Guided studies, practical exercises, problem-solving
- Inclusive approach to working groups
- Independent work Tutorials, follow-up and evaluations

6. LEARNING ACTIVITIES

Listed below are the types of learning activities and the number of hours the student will spend on each one:

Campus-based mode:

Learning activity	Number of hours
Master lectures/classes	20 h
Guided studies, practical exercises, problem-solving	14 h
Exhibition of works	8 h
Inclusive approach to working groups	40 h
Independent work	50 h
Tutorials, follow-up and evaluations	18 h
TOTAL	**150 h**

7. ASSESSMENT

Listed below are the assessment systems used and the weight each one carries towards the final course grade:

Campus-based mode:

Assessment system	Weight
Test	30%
Analysis and Projects	60%
Deliveries and presentations	10%

When you access the course on the *Campus Virtual*, you'll find a description of the assessment activities you have to complete, as well as the delivery deadline and assessment procedure for each one.

7.1. First exam period

To pass the course in the first exam period, you must obtain a final course grade of at least 5 out of 10 (weighted average).

In any case, you will need to obtain a grade of at 4.0 in the final exam in order for it to count towards the final grade along with all the grades corresponding to the other activities.

7.2. Second exam period

To pass the course in the second exam period, you must obtain a final grade of at least 5 out of 10 (weighted average).

In any case, you will need to obtain a grade of at 4.0 in the final exam in order for it to count towards the final grade along with all the grades corresponding to the other activities.

The student must deliver the activities not successfully completed in the first exam period after having received the corresponding corrections from the professor, or those that were not delivered in the first place.

8. SCHEDULE

This table shows the delivery deadline for each assessable activity in the course:

Assessable activities	Deadline
Practice 1: Territorial Analysis	week 3
Práctice 2.1: Urban Fabric Analysis	week 13
Práctica 2.2: Urban Design	week 16
Class activiites (Workshop)	week 1-16
Exams	week 4-12
City History Lessons	week 4-8

This schedule may be subject to changes for logistical reasons relating to the activities. The student will be notified of any change as and when appropriate.

9. BIBLIOGRAPHY

The main reference work for this subject is:

- MORRIS A.E.J. History of urban form: before the industrial revolutions England, Pearson Education Limited. 1994
- PANERAI, CASTEX, DEPAULE, SAMUELS, several authors URBAN FORMS: Death and life of the urban block Architectural Press. 2004

The recommended Bibliography is:

- ALEXANDER, Christopher La ciudad no es un árbol, en Tres aspectos de matemática y diseño y La estructura del medio ambiente Barcelona, Tusquets. 1971
- BENÉVOLO, Leonardo Orígenes del urbanismo moderno Celeste Ediciones. 1963.1994
- COWAN, Robert The dictionary of Urbanism Streetwise Press. 2005
- GEHL, Jan Life between buildings: using public space Copenhague, Danish Architectural Press. 2003
- KOSTOF, Spiro The City Assembled: Elements of Urban Form through History, Little Brown, Boston 1992; second printing Thames & Hudson New York 2005.
- KOSTOF, Spiro, The City Shaped: Urban Patterns and Meanings Through History Second edition Thames & Hudson, New York 1999
- LEFEVBRE, Henri El derecho a la ciudad Madrid, Ediciones Península. 1960.
- LOPEZ DE LUCIO. R. Ciudad y urbanismo a finales del siglo XX. Universitat de Valencia. 1993.
- LYNCH, Kevin La imagen de la ciudad Barcelona, Ed. GG Reprints. 2006.
- MARSHALL, Stephen Cities design and evolution Routledge Paperback. 2008
- RASMUSSEN, Steen Eiler Towns and Buildings Cambridge, The MIT Press paperback. 1969

10. DIVERSITY MANAGEMENT UNIT

St From the Educational Guidance and Diversity Unit we offer support to our students throughout their university life to help them reach their academic achievements. Other main actions are the students inclusions with specific educational needs, universal accessibility on the different campuses of the university and equal opportunities.

From this unit we offer to our students:

1. Accompaniment and follow-up by means of counselling and personalized plans for students who need to improve their academic performance.
2. In terms of attention to diversity, non-significant curricular adjustments are made in terms of methodology and assessment for those students with specific educational needs, pursuing an equal opportunities for all students.
3. We offer students different extracurricular resources to develop different competences that will encourage their personal and professional development.
4. Vocational guidance through the provision of tools and counselling to students with vocational doubts or who believe they have made a mistake in their choice of degree.

Students in need of educational support can write to us at:
orientacioneducativa@universidadeuropea.es
udents with specific learning support needs:

Curricular adaptations and adjustments for students with specific learning support needs, in order to guarantee equal opportunities, will be overseen by the Diversity Management Unit (UAD: Unidad de Atención a la Diversidad).

It is compulsory for this Unit to issue a curricular adaptation/adjustment report, and therefore students with specific learning support needs should contact the Unit at unidad.diversidad@universidadeuropea.es at the beginning of each semester.

11. ONLINE SURVEYS

Your opinion matters!

The Universidad Europea encourages you to participate in several surveys which help identify the strengths and areas we need to improve regarding professors, degree programs and the teaching-learning process.

The surveys will be made available in the “surveys” section in virtual campus or via e-mail.

Your assessment is necessary for us to improve.

Thank you very much for your participation.