1. BASIC INFORMATION

Course	Studio G5 (Taller de Proyectos G5)
Degree program	Bachelor's in the Fundamentals of Architecture
School	Architecture, Engineering and Design
Year	Fourth Year
CTS	6 ECTS (150 hours)
Credit type	Compulsory
Language(s)	English and Spanish
Delivery mode	Classroom and workshops Campus-based
Semester	First semester
Academic year	2025-2026
Coordinating professor	José Luis Esteban Penelas

2. PRESENTATION

As a design studio that happens towards the end of the studies of architecture, this subject relies on the abilities and knowledge previously acquired by the students. Its main objective is to expand their design skills and help them discover their personal interests and identity as architects. The course is planned as an evolutionary process by which the students reflect on their designs, exploring weaknesses and strengths, checking functionality, beauty, feasibility and adequateness to human experience and perception.

The design exercises will also cover the integration into the design of the building of structural principles and materials, mechanical and electrical systems, sustainability, strategies of dealing with heat, sound, winds, well being, institutionalized codes of practice and design that affect the design proposal, ideas of buildability, site conditions, materials, construction systems, processes of quality control. These conditions will affect each project on different ways. It will require from the student a strategy about how to deal with context and complex circumstances.

3. COMPETENCIES AND LEARNING OUTCOMES

Core competencies: 1, 2, 3, 4, 5

- 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, implies some knowledge of the latest advances in their field of study.

- CB2: That students know how to apply their knowledge to their work or vocation in a professional way and possess the skills that are displayed through the elaboration and defence of arguments and the resolution of problems in their area of study.
- CB3: That students have the ability to gather and interpret relevant data (usually within their area of study) to make judgments that include reflection on relevant social, scientific or ethical issues.
- CB4: That students can communicate information, ideas, problems and solutions to a specialized and non-specialized public.
- CB5: That students have developed the necessary learning skills to undertake later studies with a high degree of autonomy.

General competencies: 1, 2, 7

- CG1: Knowledge of the history and theories of architecture and the related arts, technologies and human sciences.
- CG2: Knowledge of the fine arts as an influence on the quality of the architectural design.
- CG3: Knowledge of the field of urbanism and the techniques applied to the process of urbanization.
- CG4: Knowledge of structural design, construction and engineering in the design of buildings.
- CG5: Knowledge of the physical, technological and functional parameters of buildings, so that to make them perform from the point of view of the well being of its users and the protection of climatic factors.
- CG6:Knowledge of the industries, organizations, regulations and procedures associated in buildings and the context in which they are built.
- CG7: Understanding of the relationships between people and buildings, and between these and their environment, and of the need to relate buildings and spaces to human needs and scale.

Cross-curricular competencies: 2, 4, 5, 6, 9, 10

- TC1: Responsibility: aptitude or capacity to face the responsibility that the profession of architect has in the society, particularly when elaborating projects that take into consideration social and environmental factors.
- TC2:Selfconfidence

- TC3: Becoming conscious of the ethical values associated to architecture: Ethical commitment, including the understanding of the rights and obligations of people and professionals. Understanding of the values of respect towards human rights, the protection of the weakest in society, and respect towards the natural environment.
- TC4: Communicative skills in the native language (both oral or written) and in the English language, according to the principles of 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.
- TC5: Interpersonal skills.
- TC6: Flexibility.
- TC 9: 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.
- TC 10: Innovation and creativity: creativity, imagination and aesthetic sensibility applied to the design in order to satisfy both the aesthetic and technical demands. This competence includes critical reasoning and historical culture.

Specific competencies: 37,38,40,42,48,51

- SC37: Ability to design “ProyectosBásicos y de Ejecución, croquis y Anteproyectos”.
- SC38: Ability to design urban masterplanning.
- SC40: Ability to produce functional programs of buildings and urban spaces.
- SC42: Ability to practice criticism of architecture
- SC48: knowledge of general theories of form, composition and architectural types.
- SC51: Adequate knowledge of methods of study of social necessities, wellbeing and basic functional arrangements of dwellings.

Learning outcomes:

- LO1: Devises, develops and represents the architectural form as the methodological basis for tackling the project.
- LO2: Understands in more depth the use of graphic tools for the representation of space and volume as a means of communicating one’s own ideas.
- LO3: Communicates ideas and concepts from one’s own work using the architectural terminology to represent objects (static and in movement).
- LO4: Has broadened the instrumental vision of drawing and understands it as a necessary path to architectural design and its materialisation.

- LO5: Completes the activities of a proposed project.
- LO6: Participates in debates focussed on issues in the subject area.

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

Competencies	Learning outcomes
CB1, CB3 CG1, CG2 CT6, CT9 CE37, CE38	LO1: Devises, develops and represents the architectural form as the methodological basis for tackling the project.
CB1, CB4 CG3, CT3, CE37,	LO2: Understands in more depth the use of graphic tools for the representation of spac e and volume as a means of communicating ne's own ideas.
CB2 CG7 CT1, CT7, CT8, CT10 CE37, CE38, CE40	LO3: Communicates ideas and concepts from one's own work using the architectural terminology to represent objects (static and in movement).
CB2 CG1, CG5, CG7 CT7 CE37, CE42	LO4: Has broadened the instrumental visio ı of drawing and understands it as a necessary ɔath to architectural design and its materialisati ɔn.
CB5, CG1, CG2, CE51	LO5: Completes the activities of a propose project.
CB1, CB4 CG6 CT2, CT4, CT5, CT9	LO6: Participates in debates focussed on iss ues in the subject area.

4. CONTENT

Assessable activity	Learning units	Dates	Weight (%)
Activity 1: Mapping project on a selected site,	• UA1.	Week 1-3	10 %

Activity 2: Architectural Design	• UA2. 1 • UA 2.2 • UA 2.3	Week 4-6 Week 7-13 Week 14-17	65%
Activity 3: Portfolio	• UA3	Weeks 17-19	25%

5. TEACHING-LEARNING METHODOLOGIES

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

- · Lectures
- · Guided studies, practical exercises and problem solving
- · Presentation of projects
- · Independent study/work
- · Tutorials, academic monitoring and assessment

6. LEARNING ACTIVITIES

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

Learning activity	Number of hours	Use of IA
Master lectures/classes	10h	Allowed
Guided studies, practical exercises, problem-solving	50 h	Promoted in research
Exhibition of works	10 h	Allowed
Inclusive approach to working groups	10 h	Promoted in research
Independent study	50 h	Promoted in research
Tutorials, activities follow-up and review	20 h	Not allowed
TOTAL	**150 h**	

Further details on the AI-use policy will be published through the virtual campus platform once the course has started.

7. ASSESSMENT

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

Evaluable activities	Assessment system	Weight (%)
Activity 1	• Is able to communicate via plans, sections elevations, perspectivesamd other media the findings on the site, understanding the social and spatial qualities which conform a clear topic that is to be researched. • Researches a topic in a way that allows the student to produce a communicable synthesis in the form of a mapping.	10 %
Activity 2	• From the topic that has been researched, the student is able to translate conclusive findings into architectural design. • Is able to develop a fairly complex architectural • Is able to produce working three dimensional physical models and material experiments if needed. • Is able to communicate via plans, sections elevations and perspective • Shows the ability to link 3d and 2d production, alternating between them. • Understand the relationship between materials, narrative and the function of the design • Works with precision • Spatial complexity • Is able to work creatively with a chosen topic • Applies drawing techniques and graphic communicatio fo the creation of diagrams. • Li ks drawings, images and models in an integrated wa . • Understands the diagram as a graphic device that uses representation systems • Is able to draw from 3d model and describe spaces as they are • Uses the appropriate graphic language to describe space. • Is able to produce high quality drawings at professional level. • Is able to work on the different scales of the project to develop a complete architectural proposal. • Is able to develop a structural design, an MEP design and a system(s) of construction that are in line with the design principles, incorporating previously achieved skills	65%

	and knowledge from the technical subjects • Is able to develop the design within a urban context, and relate to urban parameters and visual and spatial conditions.	
Activity 3	• Researches a topic in a way that allows the student to produce a communicable synthesis. • Locates sources and elaborates a state of the art. • Generates effective documentation in order to organis and transmit the acquired knowledge. • Analyzes results by designing a methodology. • Reaches conclusions. • Knows how to develop a narrative to achieve an unequivocal and effective graphic communication of it, or transmit an artistic idea or interpret a concept to the receiver/user. • Organizes contents and conclusions of the projects carried out during the course to demonstrate the maturity of the learning outcome. • Creates a summary document in a graphic environment in which transversal knowledge is applied	25 %

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.

The student will submit a portfolio with the same contents that are required for the first exam period.

8. SCHEDULE

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

Assessable activities	Deadline
1	End of week 3
2	End of week 14
3	End of week 19

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.

The course is divided into 3 learning units and the topics indicated in the previous section must be prepared.The activities in each unit must be completed and, when appropriate, a presentation must be made and publicly corrected. The work plan for each learning unit is included in the table below:

Program of the course by weeks (19 weeks with 15 classes- 3 phases)

sem 1	sem 2	sem 3	sem 4	sem 5	sem 6	sem 7	sem 8	sem 9	sem 10	sem 11	sem 12	sem 13	sem 14	sem 15	sem 16	sem 17	sem 18	sem 19
UA 1	UA 1	UA 1	UA 2.1	UA 2.1	UA 2.1	UA 2.2	UA 2.2	UA 2.2	UA 2.2	UA 2.3	UA 2.3	UA 2.3	UA 2.3	UA 3	UA 2.3	UA 3	UA 3	UA 3
Mapping	Mapping	Mapping	Model and sketching	Model and sketching	Model and sketching	Model and space design	Model and space design	Model and space design	Model and space design	Drawing	Drawing	Drawing	Drawing	Portfolio	Portfolio	Portfolio	Portfolio	Portfolio

Program of Classes:

sem 1	sem 2	sem 3	sem 4	sem 5	sem 6	sem 7	sem 8	sem 9	sem 10	sem 11	sem 12	sem 13	sem 14	sem 15
UA 1	UA 1	UA 1	UA 2.1	UA 2.1	UA 2.1	UA 2.2	UA 2.2	UA 2.2	UA 2.2	UA 2.3	UA 2.3	UA 2.3	UA 2.3	UA 3
Mapping	Mapping	Mapping	Model and sketching	Model and sketching	Model and sketching	Model and space design	Model and space design	Model and space design	Model and space design	Drawing	Drawing	Drawing	Drawing	Portfolio

9. BIBLIOGRAPHY

Consult with me.

10. DIVERSITY MANAGEMENTUNIT

Students 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 needsshould contact the Unit atunidad.diversidad@universidadeuropea.es at the beginning of each semester.

11. ONLINE SURVEYS

Your opinión 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.