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**
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	2024-2025
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 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.

G6 studio deals with conceptualizations, argumentation and critical approach of proposals in relation to human environment. Atmosphere, working in scalar, programmatic and social organization.

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 cultur

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

- SC37: Ability to design "Proyectos Básicos 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:

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

Competencies	Learning outcomes
CG3, CG5 CT7 CE35	LO1: Devise projects that include solutions at several levels, following a specific programme and its constraints and the nature of the urban site.
CB2 CG7 CT1, CT5 CE40	LO2: Interpret the programme as a tool to develop the project, thereby adding value to the architectural definition of the requirements of the client.
CB3 CG2 CT3 CE37	LO3: Understand the functioning and development of typologies linked to public use, their relationships, social relevance and integration in the urban context.
CB1 CG1 CT2, CT8 CE44, CE60	LO4: Include technical knowledge acquired in previous semesters and make use of them in a project which exploits, in a satisfactory way, both the instruments of formal development and of precise materialisation arising from the auxiliary disciplines.
CB5 CG4, CG6 CT6, CT9 CE39	LO5: Specify and define basic building details that are typical of a project.
CB4 CT4, CT10	LO6: Acquire the skills to communicate, develop, and express ideas and concepts from one's own work, and creating a research document.

4. CONTENT

01 Small scale architectural devices and objects

02 Urban scale interventions

03 Architecture project. Social architecture and human settlements

Assessable activity	Learning units	Dates	Weight (%)
Activity 1: Mapping project on a selected site,	• UA1.	Week 1-3	10 %
Activity 2: Architectural Design	• UA 2. 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

Learning activity	Learning methodology	Content
Activity 1	· Lectures · Presentation of projects · Independent study/work	EXERCISE 1: Big scale architectural device

	· Tutorials, academic monitoring and assessment	
Activity 2	· Lectures · Presentation of projects · Independent study/work · Tutorials, academic monitoring and assessment	EXERCISE 2: Urban scale intervention
Activity 3	· Lectures · Presentation of projects · Independent study/work · Tutorials, academic monitoring and assessment	EXERCISE 3: Architecture project.
Activity 4	Active participation in classes and appropriate development of classroom exercises	Full course content

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
Lectures	12.5 h
Guided studies, practical exercises and problem-solving	50 h
Presentation of projects	12,5 h
Team work	12,5 h
Independent study/work	37,5 h
Tutorials, academic monitoring and assessment	25 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
Exercise 01	10%
Exercise 02	15%
Exercise 03	70%
Active class participation	5%

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 should come to class, do all submissions and be active part of the group. It is continuous evaluation, evaluation will be done along the semester through submissions, public presentations and crits.

It is mandatory to pass the course in the first exam, the submission of all the works and at least 80% of class attendance.

Pass grade is a minimum of 5.

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).

To pass the course in the second exam period there are two options: "continuous" and "global"

CONTINUOUS option is ONLY possible if the student grade is equal or higher than 4.0. In this case, it is possible to continue and complete the work developed in class. The student must submit the activities not successfully completed in the first exam period after having received the corresponding corrections from the professor.

GLOBAL option, for those students that dropped the course or obtained obtained a final grade lower than 4.0 is an exam /new work developed during exam weeks.

8. SCHEDULE

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

Assessable activities	Deadline
Exercise 01 final submission	1st October
Exercise 02 final submission	11th November
Exercise 03 final submission	20th January

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 following bibliography is recommended:

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10. DIVERSITY MANAGEMENT UNIT

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 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.

HOW TO COMMUNICATE WITH YOUR PROFESSOR

Whenever you have a question about the content or activities, don't forget to post it to your course forum so that your classmates can read it.

You might not be the only one with the same question!

If you have a question that you only want to ask your professor, you can send him/her a private message from the Campus Virtual. And if you need to discuss something in more detail, you can arrange an advisory session with your professor.

It's a good idea to check the course forum on a regular basis and read the messages posted by your classmates and professors, as this can be another way to learn.

RUBRICS FOR ASSESSMENT ACTIVITIES

and the weight each activity carries towards the final course grade.

Assessable activity	Assessment rubric	Weight (%)
Activity 1	- acquires a conceptual focus linked to baseline reality data and their physical, programmatic and contextual constraints. - evaluates, reflects and develops critical analysis of works and their context. - develops innovative and creative solutions. - applies representation systems properly - participates actively by raising appropriate questions	10%
• Activity 2	- acquires a conceptual focus linked to baseline reality data and their physical, programmatic and contextual constraints. - understands the specific constrains and problematic of working in an urban scale. - evaluates, reflects and develops critical analysis of works and their context. - applies representation systems properly - participates actively by raising appropriate questions	15 %
Activity 3	- acquires a conceptual focus linked to baseline reality data and their physical, programmatic and contextual constraints. - evaluates, reflects and develops critical analysis of works and their context. - develops innovative and creative solutions.	70%

	• uses technical resources to develop architecture for the project definition itself. • applies representation systems properly • participates actively by raising appropriate questions	
Activity 4	• participates actively in classes • develops his work in the classroom • presents his work in progress every week to the professors	5 %