

1. BASIC DATA

SUBJECT	Taller de Proyectos G-3
title	Grado en Fundamentos de la Arquitectura
School	Escuela de Arquitectura, Ingeniería y Diseño
year	3
ECTS	6 ECTS
character	Compulsory
language	Ingles
Mode	In class
Semester	1
year	2024/2025
Teacher	Juan Jose Mateos

2. PRESENTATION

G3 Project Workshop deals with the ideation, conceptual argumentation, critical approach to proposals and their (graphic and technical) development, architectural proposals and their relationship with the human environment.

Learning of the functional program is developed as an academic tool, the insertion in the physical and social environment, with special attention to the environmental conditions and everything related to the energy transition.

The use of disciplinary tools for the architectural project is relevant in G3: scale, sizing of elements, lighting, characterization of spaces, relationship between them, facades and relationship with the environment. It starts in the relationships between design and materiality (construction / structure / facilities).

Simultaneously, the G3 Projects Workshop provides knowledge on the cultural component of architecture, as a discipline deeply rooted in each social environment and historic moment. Teaching must provide a critical knowledge about the references that help students to provide the most adequate proposal.

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, imply some knowledge of the vanguard of their field of study.
- 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.

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 architectural design;
- 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: 48,50,51,55

CE48 Adequate knowledge of general theories of shape, composition and architectural types.

CE50 Adequate knowledge of the methods of studying the processes of symbolisation, practical functions and ergonomics.

CE51 Adequate knowledge of the methods for studying social needs, quality of life, habitability and basic housing programmes.

CE55 Adequate knowledge of the relationship between cultural patterns and the social responsibilities of the architect.

Learning outcomes:

RA1: Adequate knowledge of the methods for studying social needs, quality of life, habitability and basic housing programmes.

RA2: Develop programmes in which it is necessary to work at different scales and to relate the different parts in sections.

RA3: Acquire the skills to understand the functioning and development of basic typologies and their integration in an urban context.

RA4: Acquire the skills to devise, represent and materialise architecture visually, under the premises of their physical, programmatic and contextual constraints.

RA5: Communicate ideas and concepts from one's own work using terminology to represent the project at different scales.

The table below shows the relation between the competencies developed during the course and the envisaged learning outcomes:

Competencies	Learning outcomes
CB3, CB4 CG7 CT9 CT10 CE51 CE52	LO1: Adequate knowledge of the methods for studying social needs, quality of life, habitability and basic housing programmes.
CB3 CB4 CG7 CT3, CT4 CT9 CE51 CE55	LO2: Develop programmes in which it is necessary to work at different scales and to relate the different parts in sections.
CB3 CB4 CG7 CT1 CT3 CY10 CE51	LO3: Acquire the skills to understand the functioning and development of basic typologies and their integration in an urban context.
CB2 CB4 CB5 CG1 CG2 CG7 CT1, CT2 CT4 CT6 CT8 CT9 CT10 CE48, CE50	LO4: Acquire the skills to devise, represent and materialise architecture visually, under the premises of their physical, programmatic and contextual constraints.
CB5 CG1, CG7 CT2, CT4 CT10 CE55	LO5: Communicate ideas and concepts from one's own work using terminology to represent the project at different scales.

4. CONTENTS

The subject is composed with the following types of teaching activities:

- Readings. Incorporation of concepts and theories especially relevant to understand the different aspects of living

- Case analysis. Graphic and conceptual study of different housing references - Projects. Making proposals that respond to different conditions: program, place, context
- Critical sessions. Presentation of work done and monographic topics that involve a dialectic between students and between teachers and students
- Portfolio. Oriented selection of the most representative works

5. TEACHING-LEARNING METHODOLOGIES

The following are the types of teaching-learning methodologies that will be applied:

- Master class: knowledge extension.
- Directed work, practical exercises: problem-based teaching.
- Exhibition of works: communication skills.
- Autonomous work: skills for planning, management and preparation of results.
- Tutoring, academic monitoring and evaluation: personalized teaching, justified report of learning outcome

6. TEACHING ACTIVITIES

The following table shows how the different types of activities are distributed and how many hours are assigned to each type:

Type of educational activity	Type of educational activity
Activity type A: master lectures/ classes	6,25h
Activity type B: guided studies, practical exercises, problem-solving	50h
Activity type C: presentation of projects	12,5h
Activity type C: inclusive approach to working groups	12,5 h
Activity type D: individual activities	50 h

Activity type E: Tutorials, self-evaluation questionnaires.	18,75 h
TOTAL	150 h

To develop the competencies and achieve the learning outcomes, you will have to complete the activities indicated in the table below:

Learning result	Learning activity	Activity	Content
RA3	0	Master sessions	Conferences about the different aspects of Residential Architecture, its History and its Context
RA3, RA4, RA5	1	Case study	- Identify the characteristics of the architecture linked to each case under study - Analyze the graphic representation tools used in the project - Express what are the context factors (social, geographical, historical, ...) relevant in the generation of the project. - Communicate the characteristics of the proposal made
RA3, RA4, RA5	2	Commented readings	- Reading and understanding of fundamental texts in the conformation of contemporary theory about architecture in general and housing in particular - Oral and written explanation of the

RA1, RA2, RA3, RA4, RA5	3	Project	knowledge acquired. -Customer analysis / Program formation. - Context analysis. - Proposed space organization - Models / models. - Graphic documentation. - Assembly and presentation
RA5	4	Portfolio	- Analyze the set of activities carried out during the course - Identify the most interesting works - Assemble a graphic and commented document with the selection made - Reasonably expose the content of the portfolio

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

7. Monitoring and assessment

The following table shows the assessable activities, their respective assessment criteria, and the weight each activity carries towards the final course grade.

Activities	Evaluation criteria	(%)
Act 0 lectures Act 1 Case study Act 2 Commented readings	<ul style="list-style-type: none"> • Understands the concepts related to an architectural project and its elaboration process. • Critically analyze the case studies. • Integrates knowledge in creative proposals. • He manages graphic and conceptual tools to argue his project decisions. • Knows how to construct a plot speech of your project. • Manages project and theoretical references with relevance. • Integrates graphic and theoretical content with coherence. 	10 %
Act 3 Project	<ul style="list-style-type: none"> • Creates an architectural project based on a reality and 	80 %

	<p>some concepts received.</p> <ul style="list-style-type: none"> • Applies the knowledge received by making it their own with relevance. • Manages graphic and theoretical tools to express their architectural ideas. • Understand the implications of an architectural project, combining experiment and commitment. • Articulates scales and work formats to solve each aspect of an architectural project. • Integrates knowledge combining all the aspects treated in a project 	
Act 4 Portfolio	<ul style="list-style-type: none"> • He argues his work from the process and by its results. • It is permeable to corrections and manages the evolution of its proposals. • Is able to critically self-evaluate his work. • Create a global document of your project. 	10 %

When you access the course on the *Campus Virtual*, you'll find a description of the activities you have to complete, as well as the 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 team work. 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 80% of assistants.

Pass grade is a minimum of 5.

7.2. Second exam period

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

"Continuous" option is possible ONLY if the student grade is equal or >4. In this case, it is possible to continue with the work developed in class.

"Global" option is an exam /new work developed during exam weeks.

8. TIMETABLE

TIME	ACTIVITY
W 1	Presentation/ Act 1 / 2
Ws 2 / 3	Act 3
W 4	Acts 1 / 2 / 4
W 5 / 6	Act 3
W 7	Act 1 / 2 / 4
W 8 / 9	Act 3
W 10	Act 1 / 2 / 3 / 4
W11	Act 0 / 3
W 12 / 13 / 14 / 15	Act 3
W 16 / 17	Ac4

Beginning of the course: September, 2023

End of course: January, 2024

This schedule may be modified for logistical reasons of the activities. Any modification will be notified to the student in a timely manner.

9. Bibliography

Here is the recommended bibliography:

- AA.VV.: (DÍAZ MORENO, Cristina / GARCÍA GRINDA, Efrén, (ed.): *Breathable*. 2009.
- ÁBALOS, Iñaki: *La buena vida. Visita guiada a las casas de la modernidad*, 2007.
- ATELIER BOW-WOW. *Behaviorology*, 2010.
- BACHELARD, GASTON, "*La Poética del Espacio*". *Breviarios del Fondo de Cultura Económica. México. 1993.*
- COLOMINA, Beatriz. *Privacy and Publicity: modern Architecture as Mass Media*, 1996
- COLOMINA, Beatriz. *La domesticidad en guerra*, 2006
- CLEMENT, Gilles: *Manifiesto del tercer paisaje*, 2004.

- GARCÍA-GERMÁN, Jacobo: *Estrategias operativas en arquitectura*, 2012.
- JAQUE, Andrés: *Dulces arenas cotidianas: notas sobre el urbanismo de las domesticidades no familiares, activas en lo político*, 2013
- KOOLHAAS, Rem: *Delirio de Nueva York. Un manifiesto retroactivo para Manhattan*, 2010
- LACATON, Anne / VASSAL, Jean-Philippe. *Plus: La vivienda colectiva: territorio de excepción*, 2007
- LEVI-STRAUSS, Claude: *El pensamiento salvaje*, 1962.
- LE CORBUSIER. *Hacia una arquitectura*, 1998
- LOOS, ADOLF . "Ornamento y delito y otros escritos". Editorial Gustavo Gili. Colección *Arquitectura y Crítica*. 1972.
- MONEO, Rafael: *Inquietud teórica y estrategia proyectual*, 2005.
- MOORE, CHARLES, ALLEN, GERALD & LYNDON, DONLYN. *La casa : forma y diseño*. Ed. G. Gili, Barcelona, 1976 (*The Place of Houses*, Holt, Rinehart & Winston, Nueva York, Chicago & San Francisco, 1974)
- NAVARRO BALDEWEG, Juan. *Escritos*, 2017
- NEUFERT, Peter / NEFF, Ludwig. *Casa, vivienda, jardín: el proyecto y las medidas en la construcción*, 2004
- PARDO, José Luis. *La intimidad*, 2004
- PRICE, Cedric: *Re:CP*, 2002.
- RORTY, Richard: *Contingencia, ironía y solidaridad*, 1989.
- RYKWERT, JOSEPH. "La casa de Adán en el Paraíso". Ed. Gustavo Gili. Colección *Arquitectura Crítica*. Barcelona. 1975
- SANAA: Kazuyo Sejima / Ryue Nishizawa. *Casas*, 2007
- SENNETT, Richard: *El artesano*, 2008.
- SMITHSON, Alison / Peter. *The charged void: architecture*, 2001
- TANIZAKI, Junichiro. *El elogio de la sombra*. 2005
- THOREAU, Henry David. *Walden*, 2007
- VENTURI, Robert. *Complejidad y contradicción en la arquitectura*, 2006
- ZEVI, Bruno. *Saber ver la arquitectura: ensayo sobre la interpretación espacial de la arquitectura*, 2004
- ZUMTHOR, Peter. *Pensar la arquitectura*, 2004

10. DIVERSITY CARE UNIT

Students with specific educational support needs:

Adaptations or curricular adjustments for students with specific educational support needs, in order to guarantee equal opportunities, will be guided by the Diversity Attention Unit (UAD).

The issuance of a report of curricular adaptations / adjustments by said Unit will be essential, so students with specific educational support needs should contact through: unit.diversidad@universidadeuropea.es at the beginning of each semester.