



Course guide

290629 - TAPVI14 - Architecture and Design Workshop: Housing and Urban Environment

Last modified: 05/07/2024

Unit in charge: Vallès School of Architecture
Teaching unit: 735 - PA - Department of Architectural Design.
740 - DUTP - Department of Urbanism, Territory and Landscape.
Degree: DEGREE IN ARCHITECTURE STUDIES (Syllabus 2014). (Compulsory subject).
Academic year: 2024 **ECTS Credits:** 12.0 **Languages:** Catalan, Spanish, English

LECTURER

Coordinating lecturer: ROSA MARIA RULL BERTRAN

Others: Primer quadrimestre:
INÉS AQUILUÉ JUNYENT - Grup: LACAT, Grup: 1
LORENA MARISTANY JACKSON - Grup: LACAT, Grup: 1
JAVIER MATILLA AYALA - Grup: LACAT, Grup: 1
ROSA MARIA RULL BERTRAN - Grup: LACAT, Grup: 1
ANNA SALA GIRALT - Grup: LACAT, Grup: 1
JOSE ZABALA ROJI - Grup: LACAT, Grup: 1

DEGREE COMPETENCES TO WHICH THE SUBJECT CONTRIBUTES

Specific:

EP4G. The ability to conceive, execute and develop basic and detailed designs, sketches and drafts (T).
EP7G. The ability to design functional programmes for buildings and urban spaces (T).
EP8G. The ability to intervene in and conserve, restore and rehabilitate built heritage (T).
EP19G. Adequate knowledge of ecology, sustainability and the principles of conservation of energy resources and environmental resources.
EP1G. An aptitude for removing architectural barriers (T).
EP27G. Knowledge of feasibility analysis and the supervision and coordination of integrated projects.
EP29G. Knowledge of mechanisms for drafting and managing urban plans on any scale.
EP18G. Adequate knowledge of methods for studying social needs, quality of life, habitability and basic housing programmes.
EP17G. Adequate knowledge of methods for studying symbolisation processes, practical functions and ergonomics.
EP5G. The ability to conceive, execute and develop urban design (T).
ET20G. Knowledge of measurement, valuation and assessment methods.
EP11G. The ability to draft civil works projects (T).
EP14G. The ability to produce environmental, landscape and environmental impact correction studies (T).
EP15G. Adequate knowledge of general theories of architectural form, composition and types.
EP12G. The ability to design and execute urban blueprints and urban development, gardening and landscape projects (T).
EP13G. The ability to apply urban design regulations and ordinances (T).
EP20G. Adequate knowledge of architectural, urban planning and landscaping traditions in Western culture, as well as their technical, climatic, economic, social and ideological foundations.
EP22G. Adequate knowledge of the relationship between cultural patterns and the social responsibilities of architecture.

Generical:

CE1. An aptitude for creating architectural projects that meet both aesthetic and technical demands.

TEACHING METHODOLOGY

TAP 6 aims at formulating a specific response in the form of urban design and architectural conditions of transformation of a particular physical context. The project will be developed following the guidelines of scale and issues established by the professors in each group according to the calendar.

The first part of the workshop (until week 8) will be attended by professors from the Design Department and Planning Department, and will be developed in groups of three or four students working collaboratively. The second part of the course will be developed individually based on the design strategies defined in the first half of the course and will be attended mostly by professors of the Design Department.

LEARNING OBJECTIVES OF THE SUBJECT

There are five main design issues that will be worked upon in the course and which in every midterm presentation must have an appropriate definition for each scale. They form the basis for assessment of the students' work:

- Site Reading / topographical and environmental suitability
- Limits / relationship with the biophysical context and built
- Structure of the unbuilt space / space and flows
- Structure of the built space / volumetric and functional distribution
- Residential Quality / lifestyle and typological diversity

These five design themes serve to achieve five generic educational objectives of the course:

- CRITICAL ATTITUDE: Achieve a critical operational vision of the current processes building architecture and the city.
- TRANSESCALARITY: Mapify situations and interpret the complexity of the urban scale and its factors, integrating them as a fundamental element of the architectural design.
- RELATIONALITY: Understand the various relationships that architecture, and specifically housing, must establish between the intimate and the public as a fundamental definition of the urban form.
- PROFESSIONALISM: Become familiar with the use of specific technical vocabulary and graphic resources necessary for the interpretation and representation of architecture and urban design.
- COMMUNICATION: Use strategies to prepare and perform oral and graphic presentations, as well as planning the project communication.

STUDY LOAD

Type	Hours	Percentage
Hours large group	20,0	6.67
Self study	168,0	56.00
Hours small group	112,0	37.33

Total learning time: 300 h

CONTENTS

Syllabus

Description:

To improve the architectural sensitivity towards the urban dimension of architecture. This course aims to provide as well coherent structure of theoretical concepts, a critical ability to identify problems and propose solutions and, furthermore, to acquire a professional culture using techniques, tools and design procedures.

Full-or-part-time: 132h

Theory classes: 20h

Laboratory classes: 112h



GRADING SYSTEM

The course is a core course of 12 credits has one final grade based on a continuous assessment, scheduled according to intermediate presentations defined in the calendar. Of these, it is considered specially relevant the intermediate delivery of week 7. Active participation and following of the workshop, and achieving the educational objectives of the course are considered important indicators in the final evaluation. To obtain a final grade, a minimum of 80% attendance to classes is compulsory. Participation in the discussions of the course will be assessed specifically as an element to improve the final grade.

BIBLIOGRAPHY

Basic:

- Torra i Xicoy, Ramon M; Segura Grau, Xavier; Cervera, Manel. Espais metropolitans : 2008/2012 : projectes i obres, Àrea Metropolitana de Barcelona. Barcelona: Àrea Metropolitana de Barcelona, 2012. ISBN 9788487881091.
- Ebner, Peter. Typology + : innovative residential architecture. Basel: Birkhäuser, cop. 2009. ISBN 9783034600873.
- Fernández Per, Aurora; Arpa, Javier. Next: collective housing in progress : density, intensity, uses, location, types, details. Vitoria-Gasteiz: A+t ediciones, 2010. ISBN 9788461386765.
- Fernández Per, Aurora; Mozas, Javier; Arpa, Javier. Density is home. Vitoria-Gasteiz: A+T Architecture Publishers, 2011. ISBN 9788461512379.
- Fernández Per, Aurora; Mozas, Javier; Ollero, Álex S. 10 historias sobre vivienda colectiva : análisis gráfico de diez obras esenciales. Vitoria-Gasteiz: A+T Architecture Publishers, 2013. ISBN 9788461598830.
- Lynch, Kevin; Southworth, Michael. Echar a perder : un análisis del deterioro. Barcelona: Gustavo Gili, cop. 2005. ISBN 8425220440.
- Nadal, Lluís. Habitatge : il·lusió i sentit comú. Sant Cugat del Vallès: ETSAV, 1999.
- Sennett, Richard. L'Espai públic: un sistema obert, un procés inacabat. Barcelona: Arcàdia, 2014. ISBN 9788494232718.
- Hertzberger, Herman. Lessons for students in architecture. Rotterdam: Uitgeverij 010, cop. 1991. ISBN 9064501009.
- Massip-Bosch, Enric. "Repensar l'habitatge". Repensar l'habitatge. QUADERNS nº 211, febrer 1996.