

Course guides

210224 - HC ARAA - (Ang) I'Collective Housing: Precedents, Current Developments and Alternatives col·lectiu: Antecedents, Realitzacions Actuals i Alternatives

Last modified: 30/06/2020

Unit in charge: Barcelona School of Architecture
Teaching unit: 756 - THATC - Department of History and Theory of Architecture and Communication Techniques.

Degree: DEGREE IN ARCHITECTURE STUDIES (Syllabus 2014). (Optional subject).
DEGREE IN ARCHITECTURE (Syllabus 2010). (Optional subject).

Academic year: 2020 **ECTS Credits:** 3.0 **Languages:** Catalan, English, Spanish

LECTURER

Coordinating lecturer: JORDI OLIVERAS SAMITIER

Others: Segon quadrimestre:
JORDI OLIVERAS SAMITIER - 43

REQUIREMENTS

Projects I and II passed

DEGREE COMPETENCES TO WHICH THE SUBJECT CONTRIBUTES

Specific:

EP15. Translation from Spanish slope
EP17. Translation from Spanish slope
EP18. Translation from Spanish slope
EP4. Translation from Spanish slope

Transversal:

CT1. Translation from Spanish slope
CT2. Translation from Spanish slope
CT4. Translation from Spanish slope
CT5. Translation from Spanish slope
CT6. Translation from Spanish slope

Basic:

CB1. Translation from Spanish slope
CB2. Translation from Spanish slope
CB3. Translation from Spanish slope
CB4. Translation from Spanish slope
CB5. Translation from Spanish slope

TEACHING METHODOLOGY

Go to catalan or spanish version.

LEARNING OBJECTIVES OF THE SUBJECT

The main subject goal and concept is to present alternative ways to the current collective housing forms , through analysing and knowing projectual proposals with future -some recently published-, with the aim of thinking on their potential.

Provide the future architect with tools and knowledge able to balance the poor typological repertoire controlling the current housing market, through innovative proposals, where appreciate more than easy recipes to copy, formulations well sustained, capable of generating new ideas to the housing future.

STUDY LOAD

Type	Hours	Percentage
Hours large group	33,0	44.00
Self study	42,0	56.00

Total learning time: 75 h

CONTENTS

Topics

Description:

An important part of the course will be dedicated to study the State of the art of dwelling architecture now, through some issues present in the architectural debate such as new briefs and the flats distribution, flexibility, access systems, the definition of public and private spaces in collective buildings, and the fundamental issue of the density. In this sense, we will examine a wide range of projects and recent achievements, examples of each theme.

1. DEFINITIONS.

What we mean by housing buildings. Traditional forms of residence and their origins. Challenges for contemporary architecture. Singularity and repetition.

2. PARAMETERS OF BUILDINGS HOUSING FORMS.

The relationship between density, height and shape. Exercises in density. Urban collective Housing in front of the single house, city or suburban sprawl. Forms from halfway attempts to bind the high density with low altitude.

3. COMPOSITION OF THE HOUSE.

Overlapping layers of distribution, machinery, and ideas. Flexibility and expertise. Space unified or shared. Free Ground or separations. Type of flexibility. Alternative proposals and their viability. Manifesto for neutral housing.

4. AREAS FOR INHABITING

Habits and cultural traditions. Changes in the present life and habitability. The concept of physical and psychological comfort. Phenomenology of the room. Space defensive. Area representative. Rethinking the parts of a home. Crisis of functional specialization.

5. FORM OF BUILDINGS.

Building forms of collective housing. Blocks in a row vs. urban blocks. Open and closed blocks. Blocks isolated. Blocks high or low. Towers. Forms not typical.

6. COLLECTIVE buildings . Attempts to unite the advantages of single houses and collective buildings. Blocks versus houses. The experience of the second half of the twentieth century in the British case and the Swedish case. Terraced buildings. The properties-villa. Towers terraces.

7. ACCESS SYSTEMS AND THEIR INFLUENCE ON THE AGGREGATION

Ways and means of pedestrian access to housing aggregation in height. Access vertical and horizontal. History and failure of the access corridor. "High Street". Some typical examples. The role of elevators and their future. Design of the backbone of access. The case of the apartment building America.

8. MODERN PROTOTYPES

Habitat and the Modern Movement. The housing for the masses as a program of the Movement. The search of optimum standards for cell block and the neighborhood. The prototype of modern architecture. Review some examples forgotten.

9. HOUSING ASSOCIATION IN SPAIN.

The shapes of current residence in the Spanish case. Dependency rules. Typological monotony versus innovation. Housing market and demand of the user. The style of real estate books. Design guidelines and user surveys. The alternative answers of the professionals.

10. RESIDENTIAL BUILDINGS OF COLLECTIVE

Single and community services. Study of urban community in transition between the exterior and the interior, access, activity common services. Holiday common socialists. Housing for young people. Residences for the Elderly. Apartment buildings and urban tourism.

11. MARKET AND PEOPLE.

Developing private and public policies. The housing estate as a product. The logic of capitalist market Raw Materials of housing: land, money, construction. The relationship between production cycles and the price of money. The housing as a necessity and as an investment. Demand and supply the user typology. Lack of innovation.

12. PROSPECTIVE. CURRENT TRENDS



Buildings ready for change. More space and less distribution. The idea of loft.
Live and work. Crisis and adaptation of nuclear family housing. Tools to produce non-specific dwellings, buildings open, modifiable. Strategies for breaking the homogeneity of the bid. Banding, stackable boxes, empty boxes and residential premises.

Full-or-part-time: 62h 30m

Theory classes: 27h 30m

Self study : 35h

GRADING SYSTEM

Requiraments to pass

- oral presentations 50%
- individual papers 50%

Continuous telematic evaluation

In online teaching situations, continuous assessment will be carried out synchronously and asynchronously by the means established by the University and the School, with a periodic record of academic activity through submissions, forums, questionnaires or any other means facilitated by the Atenea platform, or the alternatives provided to the teaching staff. In the situations in which this telematic teaching is a product of face-to-face teaching that has already begun, or for questions of extra-academic order, the changes in the weightings or regular control systems of the teaching will be communicated in detail to all students by the Athena of each subject.

Telematic final evaluation

If the continuous telematic evaluation is not positive, a second evaluation can be carried out, which will consist of a final test of a global nature in telematic format that will be established in accordance with the criteria of the professor responsible and the media and ICTs provided by the University or School.

The measures for adaptation to non-classroom teaching will be implemented in accordance with the criteria of ICT security and personal data protection to ensure compliance with the legislation on Personal Data Protection (RGPD and LOPDGDD)

EXAMINATION RULES.

Case study analysis to present in class.

A Reserch paper on housing forms.

A paper on a specific topic related to housing form.

A collection of layout plans.

BIBLIOGRAPHY

Basic:

- Building types on line [on line]. Berlin: De Gruyter, 2016 [Consultation: 04/09/2020]. Available on: <https://www.degruyter.com/db/bdt>.
- Ebner, Peter et alt.. Typology +: innovative residential architecture. Basel: Birkhäuser, 2009. ISBN 9783034600873.
- Fernández Per, Aurora; Mozas, Javier; Arapa, Javier. Dbook: density, data, diagrams, dwellings: análisis visual de 64 proyectos de vivienda colectiva. Vitoria-Gasteiz: A+t ediciones, 2007. ISBN 9788461159000.
- Mozas, Javier; Fernández Per, Aurora. Densidad: nueva vivienda colectiva = density: new collective housing. Vitoria-Gasteiz: a+t ediciones, 2004. ISBN 846092159X.

Complementary:

- Segantini, Maria Alessandra. Contemporary housing. Milano: Skira, 2008. ISBN 9788861305359.
- French, Hilary. Nueva vivienda urbana. Barcelona: Gustavo Gili, 2006. ISBN 9878425221064.
- Vivienda total: alternativas a la dispersión urbana. Barcelona: Actar, 2010. ISBN 9788496954052.
- Gausa, Manuel. Housing: nuevas alternativas, nuevos sistemas. Barcelona: Actar, 1998. ISBN 8489698562.
- Heckmann, Oliver et alt. Atlas de plantas: viviendas = habitação. Barcelona: Gustavo Gili, 2006. ISBN 9788425220500.



- Arnold , Françoise. Le logement collectif. París: Le Moniteur, 1996. ISBN 2281190919.
- Building type basics for housing. 2nd ed. London: John Wiley & Son, 2010. ISBN 9780470404645.
- Förster,Wolfgang. Housing in the 20th and 21st centuries = Wohnen im 20. und 21. Jahrhundert. München: Prestel, 2006. ISBN 9783791335292.
- Lleó, Blanca. Sueño de habitar. Barcelona: Fundación Caja de Arquitectos, 1998. ISBN 8492259442.
- Monteys, Xavier. Casa collage: un ensayo sobre la arquitectura. Barcelona: Gustavo Gili, 2001. ISBN 9788425218699.
- Lapuerta, José Maria de. Manual de vivienda colectiva. Madrid: Departamento de Proyectos Arquitectónicos. ETSAM, 2007. ISBN 9788496954144.
- Sherwood, Roger. Vivienda: prototipos del movimiento moderno. Barcelona: Gustavo Gili, 1983. ISBN 8425211352.
- High-Density housing: concepts, planning, construction [on line]. München; Basel: Detail; Birkhäuser, 2004 [Consultation: 08/05/2020]. Available on: <https://doi.org/10.11129/detail.9783034615112> (Accés restringit als usuaris de la UPC). ISBN 3764371137.
- Zhou, Jingmin. Urban housing forms. Oxford: Architectural Press, 2005. ISBN 0750656301.

RESOURCES

Computer material:

- Habitatge col·lectiu / Vivienda colectiva / Collective Housing / Logement clective / Habitação colectiva. Subject's blog https://wordpresmdesignhabitatgecollectiuwordpress.wordpress.com/?iframe=true&theme_preview=true