

**PROJECTES III [m] ETSAB 2018-2019**  
**CÀTEDRA BLANCA BARCELONA**

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2018  
**INHABITING THE CITY**  
 PROJECT DESIGN III [morning], 3rd year  
 2019

**COLLECTIVE DWELLINGS,**  
 an update

The projects course presented in this document is focused on the living spaces issue. We will treat collective dwellings during the first term of the year and single family dwellings on the second term. In the teaching guide and in several documents from this professorship, - we refer specifically to the published work of "Habitar la ciudad y el paisaje" and to the course guides "CBB papers" by Palimpsesto - we have insisted on the pedagogic value of dwellings as a program in our School. The student confronts a near but considerably complex program, enough to suppose the first moment during the degree in which all efforts should be directed towards an intense task of synthesis of the diverse inputs the project brings to the table. It is the students' duty to connect them through interesting and architecturally logic relations. Besides the acquisition of the usual Architect skills, based on the place, the measures and the construction of the project, the course tries also to awaken architectural interests in all pupils. This will be stimulated through many and different ways, from the teacher position to the realization of new dimensions of our discipline.

In that sense, housing is an specially suitable program. It is a central issue, not only in a local scale, with all the exclusion and shelter access issues, but also to a global extent as a rural exodus and a population growth are equally expected. That way, the thought about living admits several registers, being the most relevant the balance between necessity and capacity, between rights and resources, defining a true sustainability problem. A dare is presented to the Architect, one which transcends its technical nature and enters a cultural and social dimension, and which we are hoping to explore in our classrooms.

**TO UPDATE**

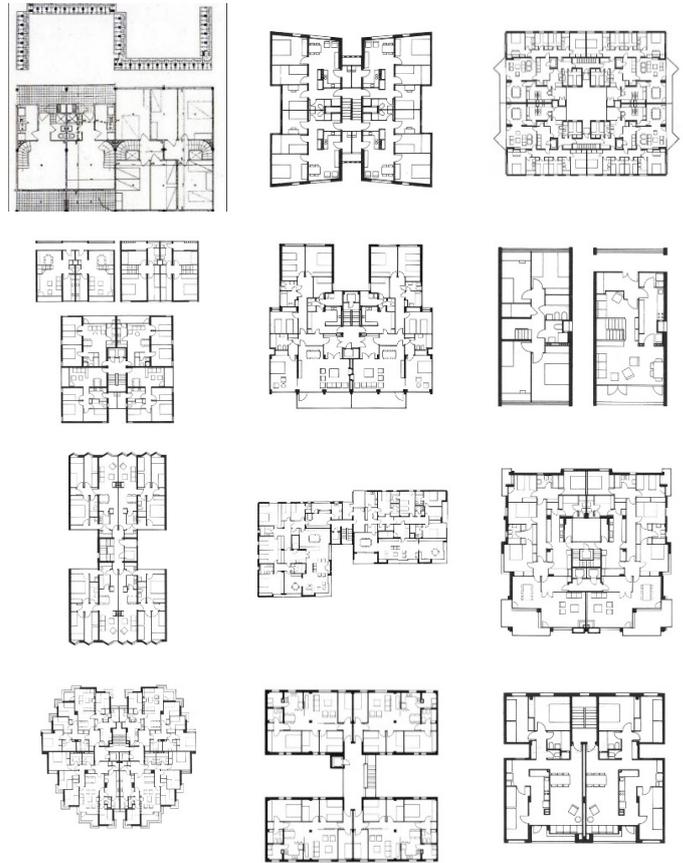
First the consumer society and now the digital world drives us to a continuous and obsessive update of things and tools for the development of our life. The widest meaning of updating refers us to bring from the past what has existed alongside the present time and necessities. It implies an action, an avid decision followed by evolution and which differs from present days terms and projects us to a transient trend. In the Architectural world, to update means to deeply seek into at least three of the main points of the discipline: the use, the place and the technical skills. As our colleagues Arranz and Badia have pointed out quoting Jorge Oteiza;

*«Who advances creating something new, usually does it as a rower, always further but rowing backwards, looking to the past, to everything that already exists, being able then to reinvent its keys»*

We are talking then about a broad way of transforming our reality through changing what already exists. Housing systems are particularly hard to change, whilst our society thrives in constant change: new family structures, new habits, new needs, new demographical groups have to dwell in old structures or structures derived from an old and conservative market. Our cities aren't the same anymore either due to new and complex circumstances. Technical skills, new laws and social consciousness about technologic advances also evolve and adapt. This doesn't mean in any terms that Architecture as a discipline can't have principles. The project then thrives between its autonomous discipline and the dependence on its social context, technical context and the place it is located. This course, devoted to housing, will set sail from this dual premise, trying to update from the basis of discipline learning.

**12 EXAMPLES**

In order to achieve these targets, the course presents 12 examples of the best housing Architecture in Barcelona. The exceptional value of these examples, near to the students, recognised as fine works, is linked in all ways to its triple context. These examples must be visited by the students. That way, the exemplarity of these 12 study cases is referred to its typologic condition and to its collective typology, the transformation of its surroundings and the integration of constructive and structural techniques.



12 dwelling plans in Barcelona. 36-Sert; 59-Bohigas-Martorell; 61- Coderch-Valls; 61-Giraldez-López Iñigo-Subías; 62-Mitjans; 64-Barba Corsini; 64-MBM; 68-Pere Limona; 70- Correa&Milà; 73-Coderch-Valls; 81 Garcés&Soria; 82 Lluís Nadal

**5 GRAFTS**

These three main vectors of change are concreted in diverse work topics which will be illustrated with a series of contemporary examples. The exercise presented to the student will rely on the solutions held by the 12 examples to solve its own nuances. It will be similar to a graft technique, very similar in fact to what Richard Sennett would describe when declaring change as an instigation to learning and creativity stimulation. In fact it is the own Architect's unconscious mechanism what is responsible when developing a project. From the pedagogic point of view, the approximation to the reference won't be done from a dry point of view but from direct typology management and manipulation. The contents and examples for this graft will be the following five:

**\_01 ADAPTABILITY**

Dwelling's useful life outgrows easily that of the cycles that define its use. We are talking about a flexibility shared by two horizons. The resilience level of a dwelling will be the major characteristic which will measure its adaptability. The first horizon allows change in long periods of time and ends in equal structural spans, high ceilings and an indifferenciation of space as to its de-sacralization to some extent.

The second horizon allows daily flexibility and drives us to confront changeability .. and adaptability of space from a technical point of view. It also invites us to .. include spaces without a really defined use for its natural occupation.



Dwellings in Gemunde, Maia, 1998-2000. João Álvaro Rocha



Domus Demain, 1984 Yves Lion



66 Viviendas en Carabanchel, 2005. Aranguren&Gallegos

## \_02 SOCIABILITY

New balances between everything that is private and that of public matter have changed some of the XXth century housing apriori, inherited from the most strict and modern functionalism. Today this frontier is blurring and fading away, mostly due to the focus held on collective spaces and a more liberal relationship with exterior spaces.



Housing complex Nemausus, Nîmes, França, 1985-1988  
Jean Nouvel



Vara del Rey, social dwellings in Rastro, 2010.  
Alberola, Díaz-Mauriño, Martorell



32 social dwellings in San Vicente de Raspeig, Alacant, 2012  
Alfredo Payá

## \_03 SHARED HOUSING

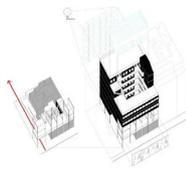
Some of the most recent trends bring back Nordic experiences from the 70's to propose a new coexistence model. Radicalism is key to these premises, and effects the very heart of the housing concept, which is no more understood as a complete entity scaled into different pieces. Buildings are not a group of cells anymore, contrary to what that famous model by Le Corbusier stated back in Marseille when dwellings were seen as a sort of machine. This vector can't be confused with the densification responsible of housing precarity, as in this case ratios are kept unchanged.



Cooperative Mehr als wohnen, Hunziker Zurich, 2011  
Duplex Architekten



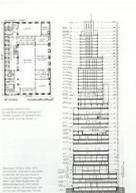
Shared housing, Nagoya, 2013. Naruse  
Inokuma architects



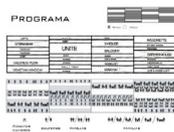
Cooperative dwellings La Borda, Barcelona. In progress.  
Cooperativa Lacol

## \_04 LIVING AND WORKING

New working models, family conciliation, new environmental-friendly ways of moving around... All these inputs boost the apparition of spaces devoted to live and work equally. This hybridation, with some exceptions, has been one of the axis of the re-evaluation of the urban functionalism and has soaked contemporary targets. Proposals such as recovering and updating, the idea of the workshop-dwelling, collective working spaces... bring a new scale to the housing and working systems. This concern makes us consider Hybrids, mixed-use buildings which have their origin in the morphological undifferentiation studied by Koolhaas in New York.



Downtown Athletic Club, New York, (in Delirious NY, R.Koolhaas)



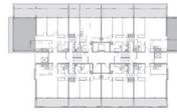
Silodam, living and working building 2003  
Amsterdam



29 unconventional dwellings in Poblenou, Barcelona, 2009.  
Garcés, De Seta, Bonet

## \_05 ENERGY AND SUSTAINABILITY

The new energetic paradigm, derived from a heavy diagnosis of society's growth, addresses to the unstoppable integration of passive and active mechanisms to the housing projects with the aim of providing sustainable buildings. Passive strategies are an essential part of the set of skills of an Architect. We want to point out the conquest of intermediate spaces or the consideration of ventilation, thermic conservation or materials useful life as parts of the projects. There's no need to say that despite this, an Architect should be aware of all the active strategies also.



Programa Plus (Bois-le Prêtre), Paris, 2011  
Lacaton i Vassal



Sabadell dwellings, 2005  
Moneo i Torres, Lapeña



Illà de la Llum, Barcelona, 2005  
Clotet i Paricio

## EXERCISE

The exercise will be done in pairs and will be completed in two parts. During the first task, each group will choose, analyse and visit one of the 12 examples in Barcelona so a transformation can be proposed, following of course these 5 points. Following this and based on those studies, the students will propose a project on collective dwellings in a 85x65m plot of land, diagonally North oriented. Everything will be developed through volume, plan drawings and section drawings. Ground floor, rooftop floor and elevations will be developed during the second exercise which will follow this one. The parameters of the project should adjust to the following ones:

Total built area: 10.000m<sup>2</sup>  
Maximum occupation: 50%  
Height limit: Ground floor + 4

**Handing in:** 4th week, October the 3rd (Wednesday)

Plan and section analysis of the original example, 1:50

Proposal plan and section, 1:50

Proposal aggregation plan in site, 1:200

One important section, 1:200

SETEMBRE 2018		X12	Introduction to the course	
	L17	Projects workshop	X19	Projects workshop
			X26	Projects workshop
OCTUBRE 2018	L01	Projects workshop	X03	digital submission EXERCISE PROJECT introduction
	L08	Projects workshop	X10	Projects workshop CONFERENCE CYCLE start - Oriol Clos
	L15	SITE visit	X17	MODEL submission Projects workshop
	L22	Projects workshop Jordi Garcès Conference	X24	Projects workshop
	L29	Projects workshop Blanca Lleó Conference	X31	Projects workshop
	NOVEMBRE 2018	L05	Projects workshop CB.B conference*	X07
L12		Projects workshop Bevk Perovic Conference	X14	Projects workshop
L19		Projects workshop	X21	Projects workshop Javier Frechilla Conference
L26		INTERIM submission	X28	CONFERENCE CYCLE closure
DESEMBRE 2018	L03	Projects workshop		
	L10	Projects workshop	X12	Projects workshop
	L17	COURSE submission and corrections	X19	COURSE submission and corrections
GENER 2019	V18	FINAL submission PROYECTOS III Final Exhibition		