

## Course guide (work version)

### 290636 - TAPIX14 - Architecture and Design Workshop IX

Last modified: 31/08/2020

**Unit in charge:** Vallès School of Architecture  
**Teaching unit:** 735 - PA - Department of Architectural Design.  
753 - TA - Department of Architectural Technology.

**Degree:** DEGREE IN ARCHITECTURE STUDIES (Syllabus 2014). (Compulsory subject).

**Academic year:** 2020    **ECTS Credits:** 12.0    **Languages:** English

#### LECTURER

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**Coordinating lecturer:** Enric Masip-Bosch

**Others:** Pablo Garrido Torres

#### PRIOR SKILLS

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BCN+ STUDIO is open for both ETSAV and foreign students and fosters cultural interchange. A good level of English is advisable since it will be the language of choice. One of the goals of BCN+ STUDIO is to help improve students' Professional English skills.

It is strongly recommended that the student has well-developed capabilities of architectural+urban representation and diagramming since part of the BCN+ STUDIO will consist in mapping situations in diverse formats.

Some familiarity with technological issues related to architecture (sustainability, construction, structure) is recommended since one of the main goals of the BCN+ STUDIO is to integrate technical reasoning and evaluation into the design process.

#### REQUIREMENTS

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BCN+ STUDIO

It is required that the student has fully passed at least the first six semesters of his/her studies.

Please send a short CV and a 1A4 Motivation Letter stating your interest in joining BCN+ to Gemma Masip (gemma.masip@upc.edu) when applying for enrolment

#### DEGREE COMPETENCES TO WHICH THE SUBJECT CONTRIBUTES

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**Specific:**

EP4G. (ENG) Capacitat per a la concepció, la pràctica i el desenvolupament de projectes bàsics i d'execució, croquis i avantprojectes (T).

EP22G. (ENG) Coneixement adequat de la relació entre els patrons culturals i les responsabilitats socials de l'arquitecte.

EP20G. (ENG) Coneixement adequat de les tradicions arquitectòniques, urbanístiques i paisatgístiques de la cultura occidental, així com dels seus fonaments tècnics, climàtics, econòmics, socials i ideològics.

ET6G. (ENG) Capacitat per concebre, calcular, dissenyar, integrar en edificis i conjunts urbans i executar estructures d'edificació (T).

ET8G. (ENG) Capacitat per concebre, calcular, dissenyar, integrar en edificis i conjunts urbans i executar sistemes de tancament, coberta i altra obra gruixuda (T).

ET7G. (ENG) Capacitat per concebre, calcular, dissenyar, integrar en edificis i conjunts urbans i executar sistemes de divisió interior, fusteria, escales i altra obra acabada (T).

EP7G. (ENG) Capacitat per elaborar programes funcionals d'edificis i espais urbans (T).

ET1G. (ENG) Aptitud per concebre, calcular, dissenyar i integrar en edificis i conjunts urbans i executar solucions de fonamentació (T).

EP1G. (ENG) Aptitud per suprimir barreres arquitectòniques (T).

**Generical:**

CE8. (ENG) Comprensi3n de los problemas de la concepci3n estructural, de construcci3n y de ingeniera vincuados con los proyectos de edificios.

CE1. (ENG) Aptitud para crear proyectos arquitect3nicos que satisfagan a la vez las exigencias est3ticas y t3cnicas

CE10. (ENG) Capacidad de concepci3n necesaria para satisfacer los requisitos de los usuarios del edificio respetando los lmites impuestos por los factores presupuestarios y la normativa sobre construcci3n.

**TEACHING METHODOLOGY**

BCN+ STUDIO understands and addresses architectural design learning & thinking in its full complexity. A project needs to be thought out simultaneously from several perspectives to arise the correct questions to address. These perspectives Enric Massip-Bosch summarizes as "The New Triad": City, Type & Technique, which adds to the Vitruvian Triad of Firmitas, Utilitas, and Venustas. In order to facilitate this complex thinking, BCN+ STUDIO combines the Architecture Design Department with the Technology Department to foster a thorough reflection on the contemporary condition of architecture and the role that architects have to undertake.

**LEARNING OBJECTIVES OF THE SUBJECT**

BCN+ STUDIO aims at understanding the possibilities of technique to build & transform architecture and the city in order to accommodate new social necessities and to address current ecological, economic, and political crises.

Takes Barcelona as a paradigm of an ever-changing urban environment and works with the confidence that architecture can, and must, change the world for the better.

Always with a critically-minded perspective, issues such as the role of the architect in contemporary societies, the received concept of heritage, the greenification of the city or the necessity for urban density and its different forms, to name but a few, will be dealt with in the studio as the general frame for the discussions.

We believe that the main role of a project is to raise the relevant questions, more than to give an answer. It is in tune with this spirit that BCN+ STUDIO will investigate, discuss, elaborate, and propose its own targets every semester as part of the design process.

Barcelona, like any dynamic city, is constantly, inadvertently, mutating. And not always for the better. Let's try to imagine how it will be in 10 years' time, and be part of the solution for its beneficial transformation.

**STUDY LOAD**

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

**Total learning time:** 300 h

## CONTENTS

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### BCN+ STUDIO

**Description:**

BCN+ STUDIO predicts the direction in which several parts of the Metropolitan Area of Barcelona will develop in 10 years' time, and imagines how it can be critically transformed:

Incorporating derelict areas; imagining high-rise extensions; encouraging low-rise, high-density neighborhoods; superimposing programs and activities; reevaluating the very idea of heritage; incorporating biological complexity; stating new life-styles for diverse communities; using technology both high and low, and always wisely; canceling the ideas of urban cancellation and zoning; knowing that we know better, and others too.

**Specific objectives:**

BCN+ Specific goals:

- Achieve a complex professional profile, incorporating technical, social, and urban reflection in architectural design.
- Be capable of reading the city, its citizens, its history, its frustrations, and its possibilities.
- Be ready to provide better alternatives than the ones currently circulating.

**Related activities:**

On-site visits.

Theoretical lessons.

Guest lectures.

**Full-or-part-time:** 132h

Theory classes: 19h 40m

Laboratory classes: 112h 20m

## GRADING SYSTEM

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BCN+ STUDIO is a core subject of 12 ECTS that has a single final grade as a result of a continuous assessment of the students' progression, guided by intermediate deliveries defined in the calendar. Proactive participation in the studio and due following of teaching objectives and course deliveries are considered important indicators in the final evaluation. In order to obtain a final grade, attendance will be required for at least 80% of the class hours (maximum 3 absences).

## BIBLIOGRAPHY

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**Complementary:**

- Diagonal ZeroZero: forma y técnica. Valencia : Revista Palimpsesto, 2015.

- Pablo Garrido; Jaime Prous. Deep Skin: Learning Architecture & Technology . Girona : Fundació Aluminux, 2018. ISBN 9788409017089.

- Enric Massip-Bosch. TC Cuadernos, EMBA-Architecture 2005-2015. núm. 121. Valencia : Ediciones Generales de la Construcción, 2015. ISBN 1136-906X.