

## Course guide

### 290510 - TALLER - Workshop

**Last modified:** 21/06/2023

<b>Unit in charge:</b>	Valles School of Architecture	
<b>Teaching unit:</b>	753 - TA - Department of Architectural Technology. 735 - PA - Department of Architectural Design.	
<b>Degree:</b>	MASTER'S DEGREE IN SUSTAINABLE INTERVENTION IN THE BUILT ENVIRONMENT (Syllabus 2014). (Compulsory subject).	
<b>Academic year:</b> 2023	<b>ECTS Credits:</b> 15.0	<b>Languages:</b> English

#### LECTURER

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**Coordinating lecturer:** Adolf Sotoca (ENG)

**Others:**

#### DEGREE COMPETENCES TO WHICH THE SUBJECT CONTRIBUTES

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**Specific:**

CE4. Ability to identify the opportunities for the transformation of the urban environment towards a sustainable direction.  
CE5. Competence to define sustainable strategies in urban areas and to develop projects aligned to them, especially in the field of building construction, urban design and infrastructure intervention.

**Generical:**

CG4. Propose viable interventions in the fields of building construction, urban design and infrastructures.

**Transversal:**

CT2. SUSTAINABILITY AND SOCIAL COMMITMENT: To understand the complexity of economic and social phenomena of welfare societies; to be able to relate wellbeing with globalization and sustainability; to achieve skills for a balanced and compatible use of technology, economy and sustainability.

CT4. SOLID USE OF INFORMATION RESOURCES: Proper management and acquisition, structuring, analysis and visualization of data and information in the specified knowledge field; capacity for critical assessment of results and conclusions.

CT1. ENTREPRENEURSHIP AND INNOVATION: To get knowledge on the processes scientific research is based on, as well as the methods used to transfer results among the several stakeholders involved in R+D.

CT3. TEAMWORK: To be able to work as a member of an interdisciplinary team, either as an associate or as a team-leader, so that projects are developed in a pragmatic and responsible manner by setting up goals fitted with the available resources.

CT5. (ENG) TERCERA LENGUA: Conocer una tercera lengua, preferentemente el inglés, con un nivel adecuado oral y escrito y en consonancia con las necesidades que tendrán los titulados y tituladas.

**Basic:**

CB6. Students will gain and understand knowledge which may be further developed or applied in a research environment.

CB7. Students will acquire competences in applied knowledge and problem-solving skills onto new or unfamiliar environments within broad and/or multidisciplinary contexts related to their own field of study.

CB8. Students will be able to integrate knowledge and deal with decision-making complexity that, even in cases of incomplete or limited information, ought to reflect on social and ethical outcomes.

CB10. Students will build a capacity for self-driven and autonomous learning that may empower them in further studies or education.

## TEACHING METHODOLOGY

The studio addresses a project of intervention focused on a real case study. It consists of two parts, the first part being the analysis and diagnostic of the area of intervention, the second one being a strategy and an intervention project. This work will be carried out in teams.

The studio also includes theoretical sessions oriented to specific subjects, to the knowledge of the area of study, of other case studies and complementary understanding. Part of the dedication is intended as a face-to-face monitoring to discuss on the evolution of the works. Other hours of study are devoted to obtain information, to fieldwork, analyses and so on, in order to develop coherently the intervention project.

## LEARNING OBJECTIVES OF THE SUBJECT

Proposal and resolution of viable and solvent projects of intervention in the built environment for the simultaneous improvement of its livability and sustainability, based on the analysis and diagnostic of potentials and weaknesses, addressing coherent and suitable strategies of action.

## STUDY LOAD

Type	Hours	Percentage
Hours small group	45,0	100.00

**Total learning time:** 45 h

## CONTENTS

### Diagnosis

#### Description:

On the basis of the assessment developed on a real case study during the Lab of the first semester — as part of the subjects Energy and City, Re-Generating, Re-Inhabiting and Re-Habilitating — the studio addresses the diagnosis of the area from the point of view of urban metabolism, expressed in terms of habitability and sustainability. This diagnosis must establish the groundwork for the following strategy phase. The case study is typically a neighborhood and is determined according to a local administration or entity, which follows up during the course. This phase is carried out in coordinated teams of students, eventually presenting their conclusions to the board of MISMeC faculties.

**Full-or-part-time:** 97h 20m

Laboratory classes: 33h 20m

Self study : 64h

### Strategies

#### Description:

This second phase addresses a strategic vision leading to the design of a plan of action consistent with the diagnosis phase. The strategic approach determines the potential work scenarios in the field of study and identifies triggers to make them possible, within the objectives of improving habitability and reducing carbon-dependency. This phase is carried out in coordinated teams of students, not necessarily those of the previous phase, eventually presenting their conclusions to the board of MISMeC faculties.

**Full-or-part-time:** 146h

Laboratory classes: 50h

Self study : 96h

### Study trip

**Description:**

During the workshop, a one-week study trip is carried out. The contents of the trip differ year after year, as they complement those topics arising in the development of the studio that do not have direct expression in the subjects of the first semester or that allow to deepen in other issues dealt with previously. The trip is also an occasion to raise and discuss the Master's Thesis topic.

**Full-or-part-time:** 11h

Theory classes: 2h 40m

Laboratory classes: 8h 20m

### Project of intervention

**Description:**

The studio develops the strategy or strategies previously identified on the case study, working on their ability to articulate lines of action and produce feasible projects of intervention on the built environment. Projects address the urban and domestic scales as part of a continuing process and operate on all the fields of expertise of the first semester syllabus. All projects must be read as part of a sequence that links them to the initial assessment, diagnosis and strategy. This last phase is also carried out in teams of students, which can develop one or more strategic lines with different objectives. The studio closes with a last review, involving all stakeholders, i.e. faculties of the master and local administrations or entities.

**Full-or-part-time:** 120h 40m

Laboratory classes: 42h 20m

Self study : 78h 20m

## GRADING SYSTEM

Attendance and participation in discussions: 20%

Continuous evaluation of the works and presentations performed during the course: 70%

Final presentation: 10%