

## 69201 - Urbanization Projects

### Información del Plan Docente

Academic Year	2017/18
Faculty / School	110 - Escuela de Ingeniería y Arquitectura
Degree	519 - Master's in Architecture
ECTS	6.0
Year	1
Semester	First semester
Subject Type	Compulsory
Module	---

### **1.General information**

#### **1.1.Introduction**

#### **1.2.Recommendations to take this course**

#### **1.3.Context and importance of this course in the degree**

#### **1.4.Activities and key dates**

### **2.Learning goals**

#### **2.1.Learning goals**

#### **2.2.Importance of learning goals**

### **3.Aims of the course and competences**

#### **3.1.Aims of the course**

#### **3.2.Competences**

### **4.Assessment (1st and 2nd call)**

#### **4.1.Assessment tasks (description of tasks, marking system and assessment criteria)**

### **5.Methodology, learning tasks, syllabus and resources**

#### **5.1.Methodological overview**

The methodology followed in this course is oriented towards achievement of the learning objectives. It favors the acquisition of analytical, quantitative, and interpretive skills necessary for successful leadership in the field of urbanization.

#### **5.2.Learning tasks**

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The course includes the following learning tasks:

- **Lectures.** 2 weekly hours.
- **Practice sessions.** 2 weekly hours. All sessions will focus on the technical solution of an urbanization.
- **Assignments.** Throughout the course there will be several assignments, which will be announced in advance through the virtual platform Moodle and email, indicating the work to be included.
- **Urbanization Project** applied to degraded areas. Starting from a re-development, it addresses all the necessary elements for its correct urbanization. The submitted assignments allow a continuous assessment of the student's progress and the correction of any learning problems. There will be a final brief oral presentation to the rest of the classmates.

### 5.3.Syllabus

The course will address the following topics:

1. Understand the technical aspects involved in the construction of the public realm
2. Apply knowledge of design, analysis, as well as analyze and interpret data.
3. Identify, formulate, and solve technical problems, considering their real and economic implications.
4. Design and conduct the production of an official project, including the preparation of diverse and complete technical documentation.
5. Be familiar with the role of the professional architect in charge of the construction.
6. Coordinate the implementation of all provisions directed towards the completion of an urbanization, whether they are inner facilities or external infrastructures.
7. Functions on multidisciplinary teams.
8. Apply the techniques, skills, and modern technical tools necessary for architectural practice.
9. Understand professional and ethical responsibility and the impact of the activity in a global and societal context.
10. Understand and apply reasonably the environmental issues, the concept of durability and the costs of keeping up the built design.
11. Edit professional documents in the project phase.
12. Recognize the need for and engage in life-long learning.
13. Gain knowledge of contemporary related issues.
14. Obtain the broad education necessary to develop a knowledge-driven attitude, and a holistic approach.

### 5.4.Course planning and calendar

Further information concerning the timetable, classroom, office hours, assessment dates and other details regarding this course, will be provided on the first day of class or please refer to the EINA website.

### 5.5.Bibliography and recommended resources

The student could find additional information and resources in the library:

<http://psfunizar7.unizar.es/br13/egAsignaturas.php?id=8832>

<b>BB</b>	Accesibilidad en los espacios públicos urbanizados [Madrid] : Ministerio de Vivienda, Centro de Publicaciones, D.L. 2010 Manchón, L. Felipe.
<b>BB</b>	Recomendaciones para el proyecto y diseño del viario urbano / L. Felipe Manchón,

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- Juan A. Santamera ;  
[Fernando Llorente  
Sagasetta, dibujos y  
gráficos] . - 2ª ed. rev.  
[Madrid] : Centro de  
Publicaciones, Ministerio de  
Fomento, 2000
- BB** Martínez Sareandeses,  
José. Guía de diseño  
urbano / José Martínez  
Sarandeses, María  
Agustina Herrero Molina,  
María Medina Muro  
[Madrid] : Centro de  
Publicaciones, Ministerio de  
Fomento, 2003
- BB** Urban street design guide /  
National Association of City  
Transportation Officials  
Washington : Island Press,  
cop. 2013  
[@libro](#) - *Disponible también  
en formato electrónico*
- BB** Zimmermann, A. Construir  
el paisaje. Materiales,  
técnicas y componentes  
estructurales /  
Zimmermann, A.  
Birkhauser,2011
- BC** Alabern i Valentí, Eduard.  
Infraestructuras territoriales  
y urbanas: (ejecución,  
inspección y control de las  
obras) / Alabern i Valentí,  
E., & Guilemany i  
Casadamon, C. Barcelona:  
Tadec, 2014
- BC** Dupuy, Gaston. El  
urbanismo de las redes  
[L'urbanisme des réseaux] /  
Dupuy, G. . - 1ª en español  
Vilassar de Mar Barcelona:  
Oikos-Tau, 1998
- BC** Guía para la redacción de  
proyectos de urbanización  
[Madrid] : Consejo Superior  
de los Colegios de  
Arquitectos de España, D.L.  
2007
- BC** Herce Vallejo, Manuel. El  
soporte infraestructural de  
la ciudad / Manuel Herce  
Vallejo, Joan Miró  
Farrerons . - 2ª ed.  
Barcelona : Edicions UPC,  
2006

## 69201 - Urbanization Projects

- BC** Hernández Muñoz, Aurelio.  
Manual de saneamiento  
Uralita : sistemas de calidad  
en saneamientos de aguas  
/ Aurelio Hernández Muñoz,  
Aurelio Hernández  
Lehmann . - 2ª ed. Madrid :  
Uralita Thomson/Paraninfo,  
cop. 2004
- BC** Porto Rey, Enrique. Manual  
sobre las figuras: Proyecto  
de urbanización y proyecto  
de obras ordinarias / Porto  
Rey, E. Madrid:  
Munillalería, 2000
- BC** Suárez López, Joaquín.  
Manual de conducciones  
URALITA : sistemas de  
conducciones en  
infraestructuras, riego y  
edificación / Joaquín  
Suárez López, Fernando  
Martínez Abella, Jerónimo  
Puertas Agudo Madrid :  
Thomson : Paraninfo, 2004