

## Course guide

### 210704 - APCT - Urban and Regional Analysis and Planning

Last modified: 05/07/2024

**Unit in charge:** Barcelona School of Architecture  
**Teaching unit:** 753 - TA - Department of Architectural Technology.

**Degree:** MASTER'S DEGREE IN ADVANCED STUDIES IN ARCHITECTURE-BARCELONA (Syllabus 2015). (Optional subject).  
MASTER'S DEGREE IN ARCHITECTURE (Syllabus 2015). (Optional subject).

**Academic year:** 2024    **ECTS Credits:** 5.0    **Languages:** Spanish, English

#### LECTURER

**Coordinating lecturer:** BLANCA ESMARAGDA ARELLANO RAMOS

**Others:** Primer quadrimestre:  
BLANCA ESMARAGDA ARELLANO RAMOS - GVUA1  
CARLOS PEREZ LAMAS - GVUA1

#### TEACHING METHODOLOGY

Go to Spanish or Catalan version.

#### LEARNING OBJECTIVES OF THE SUBJECT

Go to Spanish or Catalan version

#### STUDY LOAD

Type	Hours	Percentage
Self study	87,5	70.00
Hours large group	37,5	30.00

**Total learning time:** 125 h

## CONTENTS

### title english

#### Description:

The course presents the analysis of the fundamental elements of urban and territorial structure and dynamic, through modules divided into the following structure:

- a) Urban processes and their impact on urban planning in the city. It is performed to this end, an examination of urban growth and development at worldwide, from the Industrial Revolution to the present, taking into account specific issues such as industrialization, metropolitanization, suburbanization, decentralization of economic activity, the megalopolization, etc.
- b) New urban and territorial paradigms, such as understanding the urban phenomenon in the era of the global extension of the networks of urbanization, urban sprawl v / s the compactness of urban growth, the crisis and decay of urban centres, monocentric and polycentric models of growth, the current evolution of the city "post Fordism", economy and the city of knowledge, environmental, economic and social sustainability of urban structures, immigration and social segregation, gated communities, among others.
- c) The analysis techniques applied to the understanding of urban processes, such as delimitation systems of territorial systems, prospective analysis (and consequential sizing) of population and employment needs, the spatial structure of cities and metropolitan areas,..., aimed at land use planning and design of urban policies.
- d) The structure of the system of territorial and urban planning, as well as its determinations, face to urban management at different scales. Different planning instruments, beginning with the European framework, reviewing the European Territorial Strategy, as the Spanish and Catalan. The powers and scope of the different types of territorial, urban and sectors planning (mobility, housing...), with special attention on the determinations that affect the design of policies that affect their implementation and management.

#### Specific objectives:

The main objectives of this course are, firstly, encourage the conceptual understanding and critical reflection on the processes of growth and development of cities and their territorial environments, basically since the industrial revolution to the present.

Second, examine and discuss the contemporary challenges of the territorial and urban problems that have to face technicians and politicians involved in the field of planning and city management.

Finally, the matter seeks that the student knows the system of territorial and urban planning from both, a legal and regulatory point of view and in their involvement in the management. To that effect the types of plans, their characteristics and regulatory hierarchical relationships among these are exposed, all aimed at the management and implementation planning at territorial and urban scale.

**Full-or-part-time:** 125h

Theory classes: 15h

Laboratory classes: 30h

Self study : 80h

## GRADING SYSTEM

Brief reading controls and practices, individual and/or group, will take place during the classes, in which specific aspects of the contents will be evaluated.

End jobs or workshops, individual and/or group, will be developed to be delivered after finish of classes.

Also it is considered at least 80% of class attendance.

## BIBLIOGRAPHY

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### Basic:

- Calthorpe, P. The next American metropolis: ecology, community, and the American dream. New York: Princeton Architectural Press, 1993. ISBN 1878271687.
- Garreau, J. Edge city: life on the new frontier. New York (NY): Doubleday, 1992. ISBN 0385424345.
- Hall, P. Ciudades del mañana: historia del urbanismo en el siglo XX. Barcelona: Ediciones del Serbal, 1996. ISBN 8476281900.
- Jacobs, J. Muerte y vida de las grandes ciudades. Madrid: Capitán Swing Libros, 2011. ISBN 9788493898502.
- Mumford, L. La ciudad en la historia: sus orígenes, transformaciones y perspectivas. Logroño: Pepitas de calabaza, 2012. ISBN 9788493943783.

### Complementary:

- Arellano Ramos, Blanca Esmaragda; Roca Cladera, Josep. "El urban sprawl, ¿un fenómeno de alcance planetario? Los ejemplos de México y España". ACE : architecture, city and environment = arquitectura, ciudad y entorno [on line]. 2010, vol. 4, núm. 12, p. 115-148 [Consultation: 17/06/2020]. Available on: <http://upcommons.upc.edu/handle/2099/8556>.
- Urban Europe: a study of urban growth and decline. Oxford: Pergamon, 1982. ISBN 008023156X.
- Urbanization and counterurbanization vol. 1. Beverly Hills, Calif.: Sage, 1976.
- ETE: Estrategia Territorial Europea: hacia un desarrollo equilibrado y sostenible de la UE. Luxemburgo: Oficina de Publicaciones Oficiales de las Comunidades Europeas, 1999. ISBN 9282876543.
- Hall, Peter; Pain, Kathy. The Polycentric metropolis: learning from mega-city regions in Europe. London: Earthscan, 2006. ISBN 9781844073290.