

**TITLE OF COURSE:** Urbanism

**PROGRAM TITLE:** Arquitectura, 2nd grade

**CODE:** AS022 program of Arquitectura

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**TYPE:** T **YEAR:** 4th year **SEMESTER:** Not available

**CREDITS (hours/week):** 15.00

**ECTS CREDITS:** 12.00

**LECTURER:** A. Ferrer, M. Gausachs, S. Kris Willy

**LANGUAGE:** Catalan

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**PREREQUISITES:** Introduction to Town Planning (AS052)

**PREVIOUS KNOWLEDGE:** Sufficient experience in urban projects and knowledge of topography, mapping and aerial photography. A previously completed course on elementary urban projects.

**SUBJECTS TO BE STUDIED SIMULTANEOUSLY:** Not available

**COURSE DESCRIPTION:**

URBANISM consists of a Workshop on Urban Projects and a course on Theory and Urban Methodology.

**COURSE OBJECTIVES:**

Graduates in URBANISM acquire the knowledge and develop the skills listed below:

1. The acquiring of knowledge about urban analyses and project methodology, necessary for the practice of city planning and urban projects in different situations and programmes.
2. The identification, setting and solving of problems of urban planning in a multidisciplinary context, individually or as a team member.
3. The understanding of the impact of urbanism in our society and the importance of working in a professional context with ethics and responsibility
4. The use of new intervention techniques and instruments in cities and land sites.
5. The understanding of all the contemporary aspects related to the profession, and the need for continuous learning.

**CONTENTS:**

Class 1:

Workshop activities: visit to the site with teacher.

Class 2:

Workshop: exercise 1.

Workshop activities: Course outline / presentation of area / table.

Theory class: Course presentation, programme, bibliography, methodology.

Class 3:

Workshop: exercise 1.

Workshop activities: Previous exercises, groupwork.

Theory class: The structure of urban shape.

Class 4:

Workshop: exercise 1.

Workshop activities: Domicile checklist, reading / site study.

Theory class: Eixamples (I): El Eixample Cerdà.

Class 5:

Afternoon class dedicated to exercise with on site visit (Montornès del Vallès).

Class 6:

Workshop: exercise 1.

Workshop activities: Correction.

Theory class: Eixamples (II): European cities.

Class 7:

Partial hand-in.

Class 8:

Workshop: exercise 1.

Workshop activities: General positioning: example, extra exercise.

Theory class: Eixamples (III): Management tools.

Class 9:

Workshop: exercise 1.

Workshop activities: Contemporary examples, correction.

Theory class: Housing Estates (I): modern ideology.

Class 10:

Workshop: exercise 1.

Workshop activities: housing models / positioning: dimensions and size, correction.

Theory class: Housing Estates (II): European experiences.

Class 11:

Workshop: exercise 1.

Workshop activities: Put exercises on display.

Theory class: Housing Estates (III): Barcelona.

Class 12:

Workshop: exercise 1.

Workshop activities: group correction work.

Class 13:

Workshop: exercise 1.

Final correction – HAND-IN.

Class 14:

Workshop: exercise 2.

Workshop activities: on previous exercise and outline of new exercise.

Theory class: Marginal Urbanization (I): concept.

Class 15:

Workshop: exercise 2.

Workshop activities: axis: examples.

Theory class: Marginal Urbanization (II): Lecture on Mexico.

Class 16:

Workshop: exercise 2.

Workshop activities: Street design, slopes, profiles of turning points, sections (technical).

Theory class: Suburban growth (I): concept.

Class 17:

Workshop: exercise 2.

Workshop activity: Put exercises on display.

Theory class: Suburban growths (II): paths, axis.

Class 18:

Workshop: exercise 2.

Workshop activity: Street design, connectors and green paths.

Theory class: City-garden: concept, origin and examples.

Class 19:

Workshop: exercise 2.

Workshop activities: Group correction.

Theory class: Grid forms. Comparison of cities.

Class 20:

Workshop: exercise 2.

Workshop activities: Put work on display

Theory class: axis: access and support. Comparison of cities.

Class 21:

Workshop: exercise 2.

Workshop activities: Final correction: group correction – HAND-IN.

Class 22:

Workshop: exercise 3.

Workshop activities: Outline.

Theory class: Project on Public Space (I): The classical tradition.

Class 23:

Workshop: exercise 3.

Workshop activities: Markets: organisation and dimensions.

Theory class: Project on Public Space (II): The modern tradition.

Class 24:

Workshop: exercise 3.

Workshop activities: Community centres: programme and dimensions.

Theory class: Public space in Barcelona.

Class 25:

Workshop: exercise 3.

Workshop activities: Town Squares: shape and dimensions.

Theory class: Public space: examples (I).

Class 26:

Workshop: exercise 3.

Workshop activity: Public space: surfacing

Theory class: Public space: examples (II).

Class 27:

Workshop: exercise 3.

Workshop activities: Public space: trees, urban accessories

Theory class: Analysis of complex projects (I).

Class 28:

Workshop: exercise 3.

Workshop activities: Public space: lighting.

Theory class: Analysis of complex projects (II).

Class 29:

Workshop: exercise 3.

Workshop activities: Final correction: group correction.

Theory Class: Final discussion.

### **METHODOLOGY:**

URBANISM consists of a Workshop of Urban Projects and a course of Theory and Urban Methodology.

**WORKSHOP OF URBAN PROJECTS:** a weekly session (5 hours) totally devoted to urban projects, with the guidance of a tutor (one tutor for each 15 students) Three projects in each course. See course plan above.

**Instrumental skills:** capacity to analyse cities and land, the ability to reflect and synthesise decisions and also how to approach problem solving, decision-making.

**Interpersonal skills:** critical and self-critical abilities, teamwork, ability to work in an interdisciplinary team, environmental sensibility.

**Systemic skills:** capacity to put knowledge into practice, project design and management, initiative and entrepreneurial spirit, will to succeed.

**COURSE OF THEORY AND URBAN METHODOLOGY:** lectures (one weekly) with discussion and bibliography. An outline of each lesson with references is previously circulated.

**EVALUATION:**

- A. Exam.
- H. Projects.
- I. Oral presentations.
- J. Classroom participation.

The Projects (three in total throughout the year) are especially considered in the evaluation procedure. In addition, classroom participation is also evaluated, as well as oral presentations. This represents about 80% of the final evaluation.

The exam only evaluates the Theory and Urban Methodology course (20% of the final evaluation).

**PERFORMANCE CRITERIA:**

Objective 1:

The student should demonstrate ability to correctly understand a city or a territorial section, and be able to set out appropriate projects and plans. [ A / H ]

Objective 2:

The student should show the capacity to understand the complex problems that urban planning has to face, through the final solutions s/he proposes in the project areas. [ H / I ]

Objective 3:

The student should demonstrate the capacity to understand the impact of urbanism in society, looking for integration in his / her projects of in-puts coming from other disciplines. [ A / J ]

Objective 4:

The student should use and be familiar with a diversity of analysis techniques and urban project in his work. [ H ]

Objective 5:

The student should demonstrate his concern for all professional aspects as well as for his continuous learning. [ I / J ]

**TEXTBOOKS:**

Quaroni, Ludovico. "La Torre de Babel". Gustavo Gili. Barcelona, 1970.

Solà-Morales, Manuel. "Las formas de crecimiento urbano". Ed. UPC, Barcelona, 1997.

Roca, E; Mòdol, D; Franco, M, "El projecte de l'espai viari". ETSAB. Ed. UPC, Barcelona, 2004.

Benevolo, Leonardo. "La proyectación de la ciudad moderna", G. Gili. Barcelona, 1978.

**OTHER REQUIRED MATERIAL:**

First part: urban forms

Ajuntament de Barcelona, 1999. "Urbanismo en Barcelona". Barcelona, 1999.  
 Benevolo, Leonardo. "Diseño de la ciudad". Gustavo Gili. Barcelona, 1979.  
 Benevolo, Leonardo. "Historia de la Arquitectura Moderna". G. Gili, Barcelona, 1974.  
 Castex; Depaule; Panerai. "Formes urbaines: de l'îlot à la barre". Paris, 1977  
 Ferrer, Amador. "Els polígons de Barcelona". Ed. UPC. Barcelona, 1996.  
 Giedion, Sigfried. "Espacio, Tiempo, Arquitectura". Barcelona, 1961.  
 Kostof, Spiro. "The city shaped. Urban patterns and meanings through history". Bulfinch Press Book. Boston-Toronto-London, 1991.  
 Kostof, Spiro. "The city assembled. The elements of urban form through history". Thames and Hudson. London, 1992.  
 Martí Aris, C. "Las formas de la residencia en la ciudad moderna". ETSAB, 1991.  
 Rowe, Peter G. "Civic Realism". MIT. Cambridge, Mass, 1997.  
 Sherwood, Roger. "Vivienda: prototipos del Movimiento Moderno". G.Gili, Barcelona, 1983.

Second part: connectors

Allan B.Jacobs. "Great Streets". M.I.T, 1993.  
 Bacon, Edmund N. "Design of cities". Penguin Books. New York, 1976.  
 Boaga, Giorgio. "Diseño del tráfico y forma urbana". Gustavo Gili. Barcelona, 1977.  
 Celik; Zeynep, et. al. "Streets. Critical Perspectives on Public Spaces". University of California Press. Los Angeles, 1996.  
 Herce, Manuel. "El soporte infraestructural de la ciudad". Ediciones UPC. Barcelona, 2002.  
 Stanford Anderson (ed). "Calles. Problemas de estructura y diseño". Gustavo Gili. Barcelona, 1981.  
 Sabaté et. al. "El corredor Sant Llorenç de Munt-Collcerola". Màster UPC. Barcelona, 2000.  
 Zeynep Çelik; Diane Favro; Richard Ingersoll (eds). "Streets. Critical perspectives on public space". University of California Press, 1994.

Third part: public space

Ajuntament de Barcelona. "Barcelona. Espacio público". Barcelona, 1992.  
 Borja, J; Muxí, Z. "L'espai públic: ciutat i ciutadania". Diputació de Barcelona, Barcelona, 2001.  
 Carini, A et. al. "Housing in Europa". Dos vol. Ed. Luigi Parma, Bologna, 1978.  
 Diputació de Barcelona: "Els carrers de la democràcia. L'espai públic de les noves ciutats". Barcelona, 2001.  
 Krier, Rob. "El espacio urbano". Gustavo Gili. Barcelona, 1981.  
 Mancomunitat de Municipis de l'Àrea Metropolitana de Barcelona. "L'espai públic metropolità, 1989-1999". Barcelona, 2001.  
 Paris Project, n 30-31. "Espaces publics". Número monogràfic. Paris, 1993.  
 Solà-Morales, Manuel. "Territoris Sense Model, en Papers". Regió Metropolitana de Barcelona", num. 26, pàg. 21-27, 1997.  
 Rowe, Peter. "Design Thinking". The MIT Press. Cambridge, 1987.  
 UR. "El proyecto urbano". Números 5 y 6. Barcelona, 1985.

**PREPARED BY:** M. Gausachs

**UPDATED:** 15/03/2005

**REMARKS:**

In the actual Spanish educational system the duration of courses can be one or two semesters. This fact was fixed for each curriculum when it was approved by the Spanish government and published in the Official Bulletin of the State (BOE). To continue to have the Spanish recognition it is necessary to maintain the structure approved by the Ministry.

Nevertheless, all our degrees have a structure that allows us to have global evaluations of the knowledge acquired by the student at the end of each semester. So, for those foreign students that spend only one semester in our university, under Erasmus or other international programs in which Ramon Llull University is involved, these evaluations will serve the student to achieve the credits allocated during such a semester.