

Course guide

210282 - AMDA - Adaptive Architecture, Furniture and Design

Last modified: 14/12/2023

Unit in charge: Barcelona School of Architecture
Teaching unit: 752 - RA - Departamento de Representación Arquitectónica.
Degree: DEGREE IN ARCHITECTURE STUDIES (Syllabus 2014). (Optional subject).
Academic year: 2023 **ECTS Credits:** 4.0 **Languages:** English

LECTURER

Coordinating lecturer: JOSEP MARIA FORT MIR

Others: Primer quadrimestre:
JOSEP MARIA FORT MIR - Grup: 1SM

REQUIREMENTS

Have passed Projects I and II

DEGREE COMPETENCES TO WHICH THE SUBJECT CONTRIBUTES

Specific:

EAB1. Translation from Spanish slope
EAB10. Translation from Spanish slope
EAB2. Translation from Spanish slope
EAB3. Translation from Spanish slope
EAB4. Translation from Spanish slope
EAB5. Translation from Spanish slope
EAB6. Translation from Spanish slope
EP1. Translation from Spanish slope
EP12. Translation from Spanish slope
EP15. Translation from Spanish slope
EP16. Translation from Spanish slope
EP17. Translation from Spanish slope
EP18. Translation from Spanish slope
EP19. Translation from Spanish slope
EP2. Translation from Spanish slope
EP20. Translation from Spanish slope
EP21. Translation from Spanish slope
EP22. Translation from Spanish slope
EP23. Translation from Spanish slope
EP24. Translation from Spanish slope
EP27. Translation from Spanish slope
EP4. Translation from Spanish slope
EP9. Translation from Spanish slope
ET16. Translation from Spanish slope

Generical:

CG7. Translation from Spanish slope
CG6. Translation from Spanish slope
CG5. Translation from Spanish slope
CG4. Translation from Spanish slope
CG1. Translation from Spanish slope
CG2. Translation from Spanish slope

Transversal:

CT1. Translation from Spanish slope
CT2. Translation from Spanish slope
CT3. Translation from Spanish slope
CT4. Translation from Spanish slope
CT5. Translation from Spanish slope
CT6. Translation from Spanish slope
CT7. Translation from Spanish slope

Basic:

CB3. Translation from Spanish slope
CB4. Translation from Spanish slope
CB5. Translation from Spanish slope

TEACHING METHODOLOGY

GENERAL METHODOLOGY

Experimental subject, laboratory of proposals.

It combines theory and practice.

Relate existing concepts and experiences with emerging trends and technologies

It uses design as a research tool and research as a design tool

DEVELOPMENT: in two simultaneous aspects

Designs for specific situations. Students work.

Presentation of topics, references and background. The conceptual context where proposals can be placed.

LEARNING OBJECTIVES OF THE SUBJECT

The objectives of the course focus on learning to analyze, detect and develop opportunities for improvement and innovation through design related to the built environment, with proposals based on the observation of reality. The approach assumes the mutable and variable nature of both the architecture, as a context, and the needs of users which, with changes in activities, require a constant adaptation of the space and the objects they use.

The course focuses on the ADAPTABILITY of architecture, furniture and objects to changing human needs, in various situations and at different scales.

STUDY LOAD

Type	Hours	Percentage
Self study	56,0	56.00
Hours large group	44,0	44.00

Total learning time: 100 h

CONTENTS

Subject topics

Description:

Theory and practice are developed in parallel.

General thematic areas treated in theoretical sessions:

- 01- Social, cultural and economic context. The Mediterranean
- 02- Multidisciplinary design and modernity. Bauhaus School
- 03- Industry, product and market. Styling. Raymond Loewy
- 04- New materials and communication. Eames Office
- 05- Technology, passion and symbolism. Carlo Mollino
- 06- Break with the rules. 60'-70 '. POP & Design 1
- 07- From the City to the Object. POP & Design 2
- 08- Matter, Image and Information. POP & Design 3
- 09- Comfort, Sensuality and Functionality. Miguel Milà & family
- 10- Irony, Object and Situation. Achille Castiglioni
- 11- Personal experience. Some own designs

Specific objectives:

Theoretical sessions provide general cultural references on the topic and guidelines for application to the project exercises that are carried out by the work teams.

Related activities:

DESIGN PROPOSALS, by the work teams:

- Transversal themes, focused on the human scale (object, furniture, system, personal space, urban space) as a point of intersection between disciplines.
- Proposal and theme of the work chosen by the students.
- Work in teams of three people (in general, 2 ETSAB + 1 exchange student)
- Presentation to the class in three levels of development
 - 1- Context and definition of the design objective
 - 2- Formal / conceptual design proposal
 - 3- Application / development in other cases and contexts

Full-or-part-time: 127h 20m

Theory classes: 44h

Theory classes: 36h 40m

Self study : 46h 40m

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Full-or-part-time: 14h

Theory classes: 14h

GRADING SYSTEM

Continuous assessment

Continuous assessment will be based on the work carried out by the student during the academic year, through the submission of assignments or the performance of written and/or oral tests, according to the criteria and timetable established.

Final assessment

If the continuous assessment is not positive, a second assessment may be carried out, which will consist of a final overall test in the established methodology according to the criteria of the lecturer in charge (written or oral test and/or submission of assignments).

Telematic continuous assessment

In online teaching situations, the continuous assessment will be carried out synchronously and asynchronously, by the methods established by the University and the School, with a periodic record of academic activity by submitting assignments, forums, questionnaires or any other means provided by the Atenea platform, or the alternative tools provided to the teaching staff. In situations in which this telematic teaching takes place when face-to-face teaching has already begun, or for non-academic reasons, any alterations to the weightings or regular teaching control systems will be communicated in detail to all students on the Atenea platform for every subject.

Final telematic assessment

If the continuous telematic assessment is not positive, a second assessment may be carried out consisting of a final overall test in telematic format to be established in accordance with the criteria of the lecturers in charge and the ICT resources and tools provided by the University or the School.

The measures for adapting to distance teaching will be implemented in accordance with ICT security and personal data protection criteria to ensure compliance as regards Personal Data Protection legislation (RGPD and LOPDGDD).

EXAMINATION RULES.

Continuous assessment. Presentation of proposals by all members together of each work team. Delivery to Atenea, of the presentation document including the evolution of the work. According to the calendar of the subject.

Final assessment. Delivery of the complete document including all the work done by the work team throughout the course.

BIBLIOGRAPHY

Basic:

- Fort Mir, Josep M. Arquitectura de pèrgoles i umbracles : un instrument per a l'aprenentatge de l'arquitectura. Saarbrücken: Académica Española, 2012. ISBN 9783848455478.
- Rybczynski, Witold. Home : a short history of an idea. Harmondsworth: Penguin books, reimpr. 1987. ISBN 0140102310.
- Margolin, Victor. World History of Design. Vol. 2. World War I to World War II. 1a. London: Bloomsbury Academic, 2015. ISBN 9781472566515.
- Margolin, Victor. World History of Design. Vol. 1. Prehistoric Times to World War I. 1a. London: Bloomsbury Academic, 2015. ISBN 9781472566508.
- Fort Mir, Josep M. ADI-FAD (1960-2006) : diseño industrial = industrial design. Barcelona: Associació de Disseny Industrial del Foment de les Arts Decoratives : Experimenta, 2007. ISBN 9788493064181.
- Fort Mir, Josep M; Stempka, Thomas; Becerra, Giovanny; Noguera, Verónica; Pineda, Antonio; Valls Dalmau, Francesc. Dissenyem comerç. L'Eixample Esquerra de Barcelona : design studies [on line]. Primera edició. Barcelona: Iniciativa Digital Politècnica. Oficina de Publicacions Acadèmiques Digitals de la UPC, octubre de 2022 [Consultation: 15/06/2023]. Available on: <https://upcommons.upc.edu/handle/2117/375475>. ISBN 9788419184559.

Complementary:

- ; Harper, Thomas J; Seidensticker, Edward G. In praise of shadows. London: Vintage, 2001. ISBN 9780099283577.

RESOURCES

Audiovisual material:

- Nom recurs. Atenea Platform (UPC)

Other resources:

G-suit UPC

The materials and documents of the subject may be written indistinctly in any languages of instruction.