

Course guide

210524 - CPCC - Professional Competences for Adaptation to Climate Change

Last modified: 14/12/2023

Unit in charge: Barcelona School of Architecture
Teaching unit: 753 - TA - Department of Architectural Technology.
748 - FIS - Department of Physics.
740 - DUTP - Department of Urbanism, Territory and Landscape.

Degree: MASTER'S DEGREE IN ARCHITECTURE (Syllabus 2015). (Optional subject).

Academic year: 2023 **ECTS Credits:** 5.0 **Languages:** Catalan

LECTURER

Coordinating lecturer: BLANCA ESMARAGDA ARELLANO RAMOS

Others: Primer quadrimestre:
BLANCA ESMARAGDA ARELLANO RAMOS - Grup: M1
MIQUEL MARTI CASANOVAS - Grup: M1
MARIA DOLORS MARTINEZ SANTAFE - Grup: M1

TEACHING METHODOLOGY

Go to Catalan or Spanish version.

LEARNING OBJECTIVES OF THE SUBJECT

Go to Catalan or Spanish version.

STUDY LOAD

Type	Hours	Percentage
Self study	80,0	64.00
Hours large group	30,0	24.00
Hours small group	15,0	12.00

Total learning time: 125 h

CONTENTS

Title

Description:

Go to Catalan or Spanish version.

Full-or-part-time: 125h

Theory classes: 30h

Laboratory classes: 15h

Self study : 80h

GRADING SYSTEM

Go to Catalan or Spanish version.

EVALUATION 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, 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).

BIBLIOGRAPHY

Basic:

- Ciutat i Salut. Sèrie Urbanisme i Habitatge. Diputació de Barcelona.
- Urban Climate Science for Planning Healthy Cities. Editors: Chao Ren, Glenn McGregor Publisher Springer,
- T. R. Oke, University of British Columbia, Vancouver, G. Mills, University College Dublin, A. Christen, University of Freiburg, J. A. Voogt, University of Western Ontario. URBAN CLIMATES.
- The Urban Climatic Map. A Methodology for Sustainable Urban Planning. Edited By Edward Ng, Chao Ren. Publisher Routledge,
- Report from the Commission to the European Parliament and the Council on the Implementation of the EU Strategy on Adaptation to Climate Change.

Complementary:

- Sanda Lenzholzer. Weather in the City: How Design determines the Urban Climate. NAI Uitgevers/Publishers Stichting,
- A Guidebook. Iain D. Stewart and Gerald Mills. The Urban Heat Island. Elsevier,
- Urban Climate Change and Heat Islands: Characterization, Impacts, and Mitigation. Riccardo Paolini and Matthaios Santamouris.

Elsevier,

- Roca, J. and Arellano, B. Guia per a la rehabilitació climàtica dels barris. CPSV-UPC,