

Course guide

210524 - CPCC - Professional Competences for Adaptation to Climate Change

Last modified: 09/06/2026

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

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

Academic year: 2026 **ECTS Credits:** 5.0 **Languages:** Catalan

LECTURER

Coordinating lecturer: BLANCA ESMARAGDA ARELLANO RAMOS

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

TEACHING METHODOLOGY

Go to Catalan or Spanish version.

LEARNING OBJECTIVES OF THE SUBJECT

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STUDY LOAD

Type	Hours	Percentage
Hours large group	30,0	24.00
Self study	95,0	76.00

Total learning time: 125 h

CONTENTS

Title

Description:

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Full-or-part-time: 125h

Theory classes: 30h

Laboratory classes: 15h

Self study : 80h

GRADING SYSTEM

Any academic fraud, plagiarism or use or possession of unauthorised means in an assessment activity leads to a mark of zero (0) for the affected test or assignment. Furthermore, in accordance with the University's regulations, if disciplinary proceedings are initiated the subject is recorded as "Pending Assessment" until a decision is reached. These incidents are managed in accordance with the [Action Framework for Academic Integrity in Assessment at the UPC](#).

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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).

BIBLIOGRAPHY

Basic:

- 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. ISBN 9781107429536.
- Ng, Edward; Ren, Chao. The Urban Climatic Map. A Methodology for Sustainable Urban Planning. Edited By Edward Ng, Chao Ren. Publisher Routledge, ISBN 9781849713764.
- Urban Climate Science for Planning Healthy Cities. Editors: Chao Ren, Glenn McGregor Publisher Springer,

Complementary:

- 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 Matthaïos Santamouris. Elsevier, ISBN 9780128189771.
- Lenzholzer, Sanda. Weather in the City: How Design determines the Urban Climate. Rotterdam: NAI Uitgevers/Publishers Stichting, ISBN 9789462081987.