



THERMOPHYSICS OF BUILDINGS

Enrollment year	2017/2018
Academic year	2018/2019
Regulations	DM270
Academic discipline	ING-IND/11 (ENVIRONMENTAL TECHNICAL PHYSICS)
Department	DEPARTMENT OF ELECTRICAL, COMPUTER AND BIOMEDICAL ENGINEERING
Course	ELECTRICAL ENGINEERING
Curriculum	Energetica
Year of study	2°
Period	1st semester (01/10/2018 - 18/01/2019)
ECTS	6
Lesson hours	45 lesson hours
Language	Italian
Activity type	WRITTEN AND ORAL TEST
Teacher	MAGNANI LORENZA (titolare) - 6 ECTS
Prerequisites	Basics of thermophysics
Learning outcomes	<ul style="list-style-type: none">- Design and evaluation of the thermophysical aspects of a building, including thermal comfort and energy efficiency requirements.- Capability of performing energy certification and energy audit of simple buildings.
Course contents	<p>Thermal exchanges from building envelope</p> <p>Thermal comfort and IAQ</p> <p>Heating plants</p> <p>Energy certification and energy audit</p>

Lectures (hours/year in lecture theatre): 45
Practical class (hours/year in lecture theatre): 0
Practicals / Workshops (hours/year in lecture theatre): 0

**Recommeneded or required
readings**

The exams forecast a written part consisting in some open questions,

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