

2.0 credits	30.0 h	2q
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Teacher(s) :	Bodart Magali ; De Herde André ; Blasco Enbrie Marcelo ;
Language :	Français
Place of the course	Louvain-la-Neuve
Main themes :	Physical and physiological parameters of thermal, acoustic and visual comfort Air pollutants and air quality level Climatic data Means of heat transfers in buildings Hygrothermics Ventilation of buildings Means of propagation of sound Soundproofing criteria Static and dynamic approach to phenomena Typology of models and digital modelization Concepts of climatic architecture with examples
Aims :	Understanding basic physical concepts for controlling atmosphere and comfort (thermal, acoustic, air quality, visual) <i>The contribution of this Teaching Unit to the development and command of the skills and learning outcomes of the programme(s) can be accessed at the end of this sheet, in the section entitled "Programmes/courses offering this Teaching Unit".</i>
Content :	The design and construction of a building that totally or partially meets the occupants' expectations for comfort. Starting with those expectations, the course goes into the physical aspects of heat transfers and propagation of sound. In addition, a section is reserved for natural ventilation and basic notions of the use of natural lighting. To a large extent, the course material is accessible in electronic form; the teaching method enables interested students to go into it in greater depth in interaction with the teachers.
Other infos :	Prerequisites: Course in thermodynamics Evaluation: The evaluation is done by an examination in French or in English.
Faculty or entity in charge:	LOCI