



Faculté des sciences appliquées

FSA

AMCO2363 Physique appliquée au bâtiment II : techniques spéciales - Partie A : conception - Partie B : dimensionnement

[45h+15h exercices] 4 credits

This course is taught in the 1st semester

Teacher(s): Jacques Claessens, Christian Eugène, Jean-Claude Samin, Jean-Marie Seynhaeve
Language: french
Level: 2nd cycle course

Aims

Learning to design and calculate the air conditioning and lighting installations of a building.

Main themes

Typology of different special building techniques (part A)
 Types of energy and renewable energy (parts A and B)
 Rational use of energy (part A)
 Principles of design in view of the type of building and the type of occupancy (parts A and B)
 Principles of regulation (parts A and B)
 Electricity and home automation (part B)
 Calculation models (part B)
 Relation between climatic architecture and special building techniques (part B)
 The course is given in French.

Other information (prerequisite, evaluation (assessment methods), course materials recommended readings, ...)

Course AUCE 1901 Comfort and Physical Features of Buildings (thermics, acoustics and lighting).
 The evaluation is done by an examination in French.

Other credits in programs

ARCH22	Deuxième année du programme conduisant au grade d'ingénieur civil architecte	(4 credits)	Mandatory
ARCH23	Troisième année du programme conduisant au grade d'ingénieur civil architecte	(4 credits)	
GC23	Troisième année du programme conduisant au grade d'ingénieur civil des constructions	(4 credits)	
MECA23	Troisième année du programme conduisant au grade d'ingénieur civil mécanicien	(4 credits)	