

## Faculty of Applied Sciences



### AMCO2363 Building physics II: utilities - Part A: design - Part B: dimensioning

[45h+15h exercises] 4 credits

This course is taught in the 1st semester

**Teacher(s):** Magali Bodart, Jacques Claessens, Jean-Claude Samin, Jean-Marie Seynhaeve  
**Language:** French  
**Level:** Second cycle

#### 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.

#### Content and teaching methods

This course will no longer be offered after academic year 2006-2007

#### 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

<b>ARCH22</b>	Deuxième année du programme conduisant au grade d'ingénieur civil architecte	(4 credits)	Mandatory
<b>ARCH23</b>	Troisième année du programme conduisant au grade d'ingénieur civil architecte	(4 credits)	
<b>GC22</b>	Deuxième année du programme conduisant au grade d'ingénieur civil des constructions	(4 credits)	
<b>GC23</b>	Troisième année du programme conduisant au grade d'ingénieur civil des constructions	(4 credits)	