


 Faculty of Applied Sciences

AMCO2343 Design Mechanisms

[15h] 2 credits

This course is taught in the 1st semester

Teacher(s): Nicolas Van Oost
Language: French
Level: Second cycle

Aims

Several design approaches are proposed, illustrated by examples. Students compare with their own design experience. Students are made aware of functional, structural and HVAC programming elements that link design to theoretical course material.

Main themes

Study of general creative mechanisms.
 The systematic design path.
 The analogical process.
 The hierarchical process.
 The influence of computer-aided design on these processes.
 Introduction to functional programming.
 #to structural programming.
 #to HVAC programming.
 Method by building elements. - Modular techniques.

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, ...)

Other information (Prerequisites, Evaluation, Support...)
 Design experience acquired from previous three years of design studios.

Other credits in programs

ARCH22	Deuxième année du programme conduisant au grade d'ingénieur civil architecte	(2 credits)	Mandatory
FSA13BA	Troisième année de bachelier en sciences de l'ingénieur, orientation ingénieur civil	(2 credits)	