

Building networks (hot and cold water networks, aeraulics)



ECTS
5 crédits



Hourly volume
66h

Introducing

Description

Objectives

At the end of this module, the student will have understood and be able to explain (main concepts):

The hydro-thermal characteristics of a heating system
The pressure distribution in a network
The control strategies applied to heating systems used in buildings
How to design indoor hot and cold sanitary water devices (Building hydraulic)
How to design air devices: transport, supply (Building air devices)

The student will be able to:

- Design hydraulic and air networks by using the methods exposed during the seminars
- Analyse the behaviour of existing heating systems
- Design and size a heating system for collective housing

Necessary prerequisites

Heat transfer and Fluid Mechanics I & II

Évaluation

L'évaluation des acquis d'apprentissage est réalisée en continu tout le long du semestre. En fonction des enseignements, elle peut prendre différentes formes : examen écrit, oral, compte-rendu, rapport écrit, évaluation par les pairs...

Practical info

Location(s)

