

Air conditioning



ECTS
5 credits



Component
INSTITUT
NATIONAL
DES SCIENCES
APPLIQUEES
TOULOUSE



Number of
hours
66h

Presentation

Description

This teaching provides additional elements on several parts of air conditioning (HVAC) topic :

- Calculation of thermal balances of rooms and buildings ;
- Principal air conditioning systems (HVAC) ;
- Air filtration ;
- Regulation of air conditioning installations.

Tutorials, labworks and project are realised during this formation. A visit on site is proposed.

Objectives

Main goal of this teaching is to allow student to learn conception elements and also best practices rules of air conditioning installations.

Expected skills :

* Analyze an air conditioning installation (HVAC) from the schematic drawing and determined specifications;

* Design main elements of an HVAC installation;

Identify and prioritize main elements of the control system from an installation;

Pre-requisites

Indoor building physics

Useful info

Contacts

Education manager

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Place

➤ Toulouse