

# Thermohydric transfers for buildings



ECTS  
3 crédits



Hourly volume  
44h

## Introducing

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### Objectives

For ¿Basics of heat transfer and further study¿:

¿ the assimilation of the concept of coupling heat transfers in the building;

¿ the resolution of a simple problem (in 1D and in stationary mode) of thermal in the field of the building.

For ¿Thermal Simulation¿:

¿ Assimilation of the fundamental difference between insulation and thermal inertia;

¿ Mastering the basic concepts of numerical simulation with the finite difference method in 1D.

For ¿Thermal renovation techniques¿

¿ Understand the socio-economic and environmental issues in the field of thermal renovation

¿ Know the main thermal renovation techniques for buildings (walls and systems), implement them as part of a project, understand their impact on the thermal-hydric behavior of the building

## Practical info

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### Location(s)



Toulouse