

IDENTIFICATION

Course code : E3BE5EF3
ECTS : 1

DURATION

Lectures : 2
Tutorial classes : 6
Labs : 8
Total : 16

Project :
Personnal work :

ASSESSMENT

- 2 Practical Work (TP) grades - Personal project grades

TEACHING MATERIALS

- Course and tutorial handouts - Manufacturer data - In-house calculation tools

LANGUAGE

English

CONTACT

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UE : UE5.3-EFFI

COURSE : Programming for Building and Energy

SCOPE OF THE COURSE

OBJECTIVES

Implement, in the form of calculation tools, concepts covered in certain Building and Energy resources, such as : - Processing weather files - Modeling and simulating a solar water heater - Calculating a thermodynamic cycle - Calculating pressure losses ...

COMPETENCE AND SKILLS

PROGRAM

- Review of conservation, transfer, and state equations
- Introduction to programming
- Implementation during a practical work session

BIBLIOGRAPHY

REQUIREMENTS