

IDENTIFICATION

Course code : E2CP3B5
ECTS : 1

DURATION

Lectures : 8
Tutorial classes : 8
Labs : 0
Total : 16

Project :
Personnal work :

ASSESSMENT

2 Written exams (2h/2h)

TEACHING MATERIALS

LANGUAGE

English

CONTACT

Candice BERENGUER
candice.berenguer@univ-reunion.fr

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UE : BATIMENT-ENERGIE

COURSE : Architecture

SCOPE OF THE COURSE

OBJECTIVES

- Awareness of the architectural design and construction process through an iterative approach
- Understanding the act of building, from needs expression to building obsolescence
- Identifying the role of each stakeholder in the construction process, particularly the relationship between the engineer and the architect

COMPETENCE AND SKILLS

Being able to grasp the complexity of the questioning involved in the design process in which they will participate

PROGRAM

1. Introduction to design challenges : objectives, constraints, stakeholders, and contexts.
2. Needs analysis : problem formulation, identification of uses and priorities.
3. Solution exploration : possible scenarios, technical, economic, and environmental trade-offs.
4. Argumentation and decision-making : justification of choices made and evaluation of alternatives.
5. Reflective feedback : critical analysis of the design process and one's own involvement.

BIBLIOGRAPHY

REQUIREMENTS