

IDENTIFICATION

Course code : E5BE9ZP2
ECTS : 3

DURATION

Lectures : 8
Tutorial classes : 24
Labs : 0
Total : 32

Project :
Personnal work :

ASSESSMENT

Project grade

TEACHING MATERIALS

PowerPoint presentations

LANGUAGE

English

CONTACT

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UE : Aménagement

COURSE : Urban Planning MT

SCOPE OF THE COURSE

OBJECTIVES

The aim is to study the specific features of sustainable urban development in tropical environments.

COMPETENCE AND SKILLS

Understand the challenges of sustainable tropical urban planning and identify priorities in development.

PROGRAM

Climate-responsive urban planning (in connection with the course "Aerodynamics of Buildings") • Various urban planning documents (PLUI, etc.) • Bioclimatic approach in sustainable urban planning (urban forms, the role of vegetation) • Development, architecture, and natural ventilation • Smart cities in tropical environments. What challenges for tomorrow's sustainable tropical city? • Case studies (Beauséjour and Coeur de Ville Possession) : o Neighborhood urbanization for a mixed program of individual and collective housing (site plan, intermediate spaces, hydraulics, vegetation, mobility, operation, quality of life, etc.) o Resources and autonomy of the mixed program of individual and collective housing o Quality of life and social projects for the mixed program of individual and collective housing Site visits to development projects (Beauséjour, Coeur de Ville Possession) Environmental law • Sources of environmental law o European sustainable development policy o National environmental law o Key stakeholders • Environmental impact assessment o Scope and content of the environmental impact assessment file o Procedure and publicity of the environmental impact assessment o Legal effects of the environmental impact assessment • Public inquiries o Bouchardeau Act o Scope and organization of the inquiry o Consolidation of inquiries o Scope of the inquiry • Public debate and consultation • Environmental assessment o European and national context o Different types of environmental assessments • Classified installations for environmental protection (ICPE) o Scope and competent institutions o Regulatory framework for authorized installations, framework for declared installations o Applicable rules

BIBLIOGRAPHY

REQUIREMENTS

Heat transfer, fluid mechanics