

IDENTIFICATION

Course code : E5BE9ZP1
ECTS : 2

DURATION

Lectures : 2
Tutorial classes : 10
Labs : 8
Total : 20

Project :
Personnal work :

ASSESSMENT

Lab report grade

TEACHING MATERIALS

Handouts and PowerPoint presentations

LANGUAGE

English

CONTACT

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UE : Aménagement

COURSE : BIM Management

SCOPE OF THE COURSE

OBJECTIVES

The aim is to acquire work methods based on collaboration around a digital model.

COMPETENCE AND SKILLS

To know how to manage a BIM project

PROGRAM

Generalities - Terminology, definitions, history of the BIM concept - Current status, prospects and advantages of BIM - Digital Mock-up, BIM and Open BIM, 2D Drawing, 3D Modelling and Digital Mock-up - Collaborative work and interoperability, IFC exchange format, collaborative platforms and BIM

BIM techniques and tools - BIM stakeholders and their tools - BIM in CAD, Thermal and Structural software editors, Asset Management BIM professions - Project owners, project managers and facility managers, Contractors - The BIM Manager - to define BIM processes and recommend the tools required for project implementation; - to develop a BIM charter; - to explain, or even train, project stakeholders in the effective use of BIM; - to coordinate the various teams through meeting facilitation; - to ensure compliance with BIM rules, draft conflict reports; - to monitor performance indicators; - to carry out technical watch and anticipate new regulations; - to implement technical support solutions for software and hardware; - to update the project's construction database.

BIM and legal aspects - Legal aspects of BIM, BIM specifications Applications and feedback - Case study of an industrial company - Case study of an architectural firm - Case study of a local authority

BIBLIOGRAPHY

REQUIREMENTS