

IDENTIFICATION

Course code : ESI-SPI-CI-BE4-
S8-UE1-EC2
ECTS : 3.5

DURATION

Lectures : 12
Tutorial classes : 12
Labs : 0
Total : 24

Project :
Personnal work :

ASSESSMENT

1 written exam and 1 mini-project

TEACHING MATERIALS

course material

LANGUAGE

English

CONTACT

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UE : UE8-STRUC

COURSE : Timber Structures

SCOPE OF THE COURSE

OBJECTIVES

To know and master all theoretical and practical concepts required to design timber structures according to Eurocode 5.

COMPETENCE AND SKILLS

STRUC Competence - Level 2 Design and verification of all timber elements in a typical building structure

PROGRAM

• Eurocode 5 - generalities • Material properties • Ultimate limit states • Serviceability limit states • Connections • Eurocode 5 : other sections • Fire resistance

BIBLIOGRAPHY

REQUIREMENTS

Mathematics course. Structural mechanics course (isostatic and hyperstatic structures). Load path and bracing course