

SYLLABUS

Degree: Sustainable Building Engineering (SBE)

Corso: STRUCTURAL DESIGN

The goal of the course is to provide basic knowledge about structural design, the topics covered within the course are the following:

- General principles of structural design: conception of the structure, loads, structural modeling, demand, capacity and performance.
- Steel structures: material properties, structural typologies, capacity models and structural detailing.
- Concrete structures: material properties, structural typologies, capacity models and structural detailing.
- Design of a simple structure made of steel or reinforced concrete.