COURSE DESCRIPTION
TECHNIQUE OF CONSTRUCTIONS (UNIT)

SSD: TECNICA DELLE COSTRUZIONI (ICAR/09)

DEGREE PROGRAMME: ARCHITETTURA (N14)
ACADEMIC YEAR 2022/2023

COURSE DESCRIPTION

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GENERAL INFORMATION ABOUT THE COURSE

INTEGRATED COURSE: 07142 - LABORATORIO DI SINTESI FINALE
MODULE: 27221 - TECNICA DELLE COSTRUZIONI
CHANNEL: 01 Cognome A - Z
YEAR OF THE DEGREE PROGRAMME: V
PERIOD IN WHICH THE COURSE IS DELIVERED: SEMESTER I
CFU: 2

REQUIRED PRELIMINARY COURSES
The following disciplines are strongly recommended: Structural mechanics and Structural Design

PREREQUISITES
Good knowledge of Structural Mechanics and Strucutral Design

LEARNING GOALS
The course aims to provide students with the basic knowledge to proceed with the definition of the structural system, sizing and verification of the main structural components of the projects they will develop.

EXPECTED LEARNING OUTCOMES (DUBLIN DESCRIPTORS)
Knowledge and understanding
Knowledge of the conception, design and verification of structures.

Applying knowledge and understanding

Application of the acquired knowledge to the exam project

COURSE CONTENT/SYLLABUS

- materials (reinforced concrete, steel, timber, masonry)
- structural types and constraints
- structural conception
- verification criteria and methods in accordance with Italian and European standards,
- basis of seismic design

READINGS/BIBLIOGRAPHY

slides

NTC2018

Eurocode 0,1,2, 3, 4, 5, 6, 8

TEACHING METHODS OF THE COURSE (OR MODULE)

Frontal lectures, seminars, tutoring

EXAMINATION/EVALUATION CRITERIA

b) Evaluation pattern

The exam evaluation will be based on the knowledge acquired by the student through the discussion of the project