ANNEX 2.1

DEGREE PROGRAM DIDACTIC REGULATIONS

INGEGNERIA STRUTTURALE E GEOTECNICA

(STRUCTURAL AND GEOTECHNICAL ENGINEERING)

CLASS LM-23

School: Polytechnic and Basic Sciences

Department: Structures for Engineering and Architecture

Didactic Regulations in force since the academic year 2024-2025

Fill in for each course/integrated course included in the study plan

Course: Continuum Mechanics		**Teaching Language:** English
SSD (Subject Areas): ICAR/08		**CREDITS:** 9
Course year: 1st	**Type of Educational Activity:** TAF-B (Caratterizzanti la classe LM-23)	
Teaching Methods: In-person. Blended for foreign students.		
Contents extracted from the SSD declaratory consistent with the training objectives of the course: Continuum mechanics: deformation analysis, stress analysis, constitutive behaviour of three-dimensional homogeneous materials. Analysis of elastic structures: equilibrium and compatibility. Stress and strain field in beam models. Yielding criteria. Stability of equilibrium paths. Plasticity.		
Objectives: The course provides the basics about the mechanics of solids and structures. Understanding of the kinematics of a structural systems, its degrees of freedom, under- and over-determined behaviors. Computation of constraint reactions and internal forces (analytically and graphically) of structural systems. Computation of strain and stress in solids of arbitrary section and loads. Safety checks.		
Propaedeuticities: None **Is a propaedeuticity for:**		
Types of examinations and other tests: Written and oral exam.		

WARNING: when compiling the Annex, it is essential to remember that it must be exactly the same as in the SUA (Annual single form of the Degree Program). If you wish to make any changes, you must consider that this action entails a change of Didactic Regulations or, if the field to be changed is RAD (University Didactic Regulations), of CdS detail sheet.