



Course: Foundation		Teaching Language: Italian	
SSD: CEAR-05/A		Credits : 9	
Course year: I		Type of Educational Activity: B	
Teaching Methods: In person			
Contents extracted from the SSD declaratory consistent with the training objectives of the course: The course aims to provide the principles, theories and analytical, computational and experimental methodologies for the physical-mechanical modelling of shallow and deep foundations and of soils and rocks interacting with them in the static and dynamic field. Foundations analysis, design and construction issues are contents of the course			
Objectives: The course aims to provide the knowledge needed for foundations design, monitoring and recovery. Foundations interact with superstructures and soils and a correct design cannot neglect such interactions. To achieve the described objectives the course deal with the study of theories with the analysis of the respective fields of application, the description of the most widespread and efficient calculation procedures and the precise definition of calculation methods to meet the requirements dictated by the regulations in the field of new foundations design or reuse of existing foundations.			
Propaedeuticities: Geotechnical Engineering Is a propaedeuticity for: --			
Types of examinations and other tests: Combination of written and oral exam			