

Course: Ground Improvement		Teaching Language: Italian
SSD (Subject Areas): CEAR-05/A		CREDITS: 9
Course year: I	Type of Educational Activity: C	
Teaching Methods: in-person		
Contents extracted from the SSD declaratory consistent with the training objectives of the course: The course covers theoretical and applied aspects concerning the analysis, design, construction and monitoring of excavations and underground works, the technologies and construction procedures for ground improvement, to stabilize slopes, structures, reclaimed land.		
Objectives: The course aims to give the student deep understanding of the most popular and most innovative technologies adopted for ground improvement. These technologies are nowadays becoming more and more popular, and in some cases more used than the traditional geotechnical ones. Therefore, it is of the utmost importance for the student to know these new ground improvement technologies, to understand the way they work, the soils or rocks for which they are best suited, and the applications for which they can be used. Through some exercises that simulate real case studies, the student will learn to design the ground improvement intervention considering also cost effectiveness for the most popular technologies.		
Propaedeuticities: none		
Is a propaedeuticity for: none		
Types of examinations and other tests: Oral exam		

