



Course: Geotechnical investigation and monitoring		Teaching Language: Italian	
SSD (Subject Areas): CEAR-05/A			CREDITS: 9
Course year: II		Type of Educational Activity: C	
Teaching Methods: in-person			
Contents extracted from the SSD declaratory consistent with the training objectives of the course: To furnish principles, theories and methodologies and procedures for the geotechnical characterization of the territory.			
Objectives: The course aims to give the student with knowledge on the tools, techniques, methods and criteria of soil investigations, as well as the procedures for interpreting the results, aimed at defining the "Geotechnical Soil Model" which is the basis of the design of a geotechnical work. Also illustrate the survey techniques of traditional and advanced instrumentation (SAR) used in the monitoring of geotechnical engineering works in relation to slope stability, foundations and retaining structures works. Through the development of a project related to a real case entrusted to groups of students, students will have the opportunity to apply the knowledge acquired in analogy to what is commonly done in the professional field.			
Propaedeuticities: none			
Is a propaedeuticity for: Geotechnic			
Types of examinations and other tests: Oral exam			