Module Title	1.Module Title, Code	
and Purpose	GEOTECHNICAL ENGINEERING	30-GJI-700
	Obligatory professional	
	2. Aims / Goals of the Module	
	The course aims to provide students of this program of study wit engineering knowledge, the role and importance of Geotechnica of construction and infrastructure.	th geotechnical Il engineering in the field
	3. Contents:	
Module Delivery	Introduction. Basic notions of Geotechnical engineering. The ro subject of study. Influence of terrain conditions in construction en- Seismic conditions, topographical, geological, hydrological, hydr mechanical properties and capabilities of Mount Holders. Str foundations. Strain the land after laying the foundation. Design Dimensioning foundations, state control over the border II settlements, meeting basic methods. Control of the shallor knowledge of deep foundations. Project Deep foundations foundations. Foundations with pilots. Calculation of bearing cap pilot plan pillow Calculation of cargo that comes in any pilots fro foundations with pilots about the state of the border II. Streng Artificial basement. Permanent methods of reinforcement and features, problems, counting, sorting and distance of objects machinery. Concrete foundations on diaphragm. Application Eurocode EC-7. Types of firewalls, active and passive pressures by Rankin's L pressure of soil -According Coulombi's theory,Design of protect application software for designing and calculations in the engineering.	le and importance of the ngineering design works. o geological, etc. Physic- rains under the soles of n of shallow foundations. . Calculation of elastic w foundations. General s. Distribution of deep racity of piles. Setting the om structures. Control of gthening the foundation. temporary methodsKey under the foundation of on design according to and. Active and passive ctive walls.Knowledge of e field of Geotechnical
	4. Literature / Indicative Reading List:	
	<ol> <li>Bozo L., 2009. Gjeoteknika, Tiranë.</li> <li>Muni B. 2015. Soil Mechanics And Foundation,USA.</li> <li>Bozo L., 2008. Gjeoteknika II – Themelet, Tiranë.</li> <li>Bond, A., Harris, A. (2008). Decoding Eurocode 7, Taylor &amp; S. Rees, L. C.,2006. Isenhower, W. M., Wang, ST. Analysis an Deep Foundations, John Wiley &amp; Sons, New Jersey.</li> </ol>	Francis,London. nd Design of Shallow and
	<b>5.</b> Leaching and	
Learning Methods:		
	Den no of other Learning Matheda	
Range of other Learning Methods:		
	I OTAL STUDY HOURS: 66 NOURS	

	Total contact and study hours: <b>125</b> hours	
Module	6. Module Learning Outcomes :	
Assessment	Upon successful completion of the course students will:	
	Be able to design and carry out work in the field of objects depending on the type of substance and form of their implementing standards Geotechnical.	
	7.Assessment Methods:	
	Number, type and weighting of elements:	
	Participation 10%, project: 30% .25%, written exam,: 35% oral exam: A total of 100%.	
Module Management	8. ECTS Credit Points and Duration	
	5 ECTS, one semester, (I)	
	9. Contact Person	
Compiled by:	H. Ahmeti	
Data / Date		