

Code	SIE555
Name	Soil Improvement in Urban Infrastructure Engineering
Hour per week	3 (3 + 0)
Credit	3
ECTS	10
Level/Year	Graduate
Semester	Fall or Spring
Type	Elective
Prerequisites	
Coordinator(s)	
Description:	This course covers various soil improvement methods such as preloading, deep compaction, vibroflotation, dynamic compaction, soil nailing, reinforced soil, geosynthetics, thermal methods, freezing and electro-osmosis, superficial compression, vibratory deep compaction methods and jet grouting will be discussed in detail.