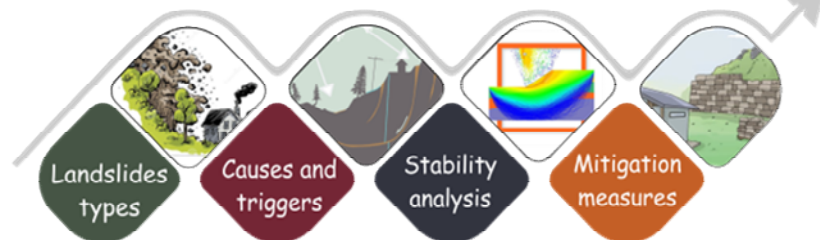


Foundations in Special Conditions

Lecture Structure



01. Stability issues on natural slopes



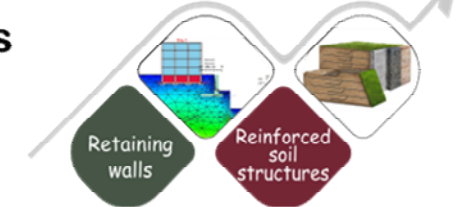
02. Foundation in difficult soil conditions



03. Soil improvement



04. Retaining walls



Underground civil engineering works

Lecture Structure

01. Deep excavations
02. Concrete Basements
03. Soil drainage and dewatering
04. Urban tunnels design

Seminar structure:

01. Deep Excavations – geotechnical design, structural design, case studies
02. Concrete Basements – case studies, geotechnical and structural design
03. Soil drainage and dewatering – Case Studies of Dewatering, Design of the dewatering system
04. Urban tunnels – Case Studies; Design of Urban Tunnels

