

Forensic Geotechnical Engineering HS 2023

Mondays, 9:45-11:30, HIL E 7

Syllabus

<i>Date</i>	<i>Lectures and Tutorials</i>
25.09.23	L 0: Introduction L 1: Interaction between Neighbouring Structures Mexico City Metropolitan Cathedral, Mexico
02.10.23	L 2: Unexpected Excessive Settlements Kansai International Airport, Japan
09.10.23	Tutorial: Exercises 1 and 2
16.10.23	L 3: Leaning Instability Leaning Tower of Pisa, Italy
23.10.23	L 4: Bearing Capacity Failure Transcona Grain Elevator, Canada
30.10.23	Tutorial: Exercises 3 and 4
06.11.23	L 5: Braced Excavation Collapse Nicoll Highway, Singapore
13.11.23	L 6: Failure in the Creeping Landslides Brattas Landslide (St. Moritz), Switzerland
20.11.23	Tutorial: Exercises 5 and 6
27.11.23	L 7: Failure Evolution in Submarine Landslides Caspian Sea, Azerbaijan
04.12.23	L 8: Pressures in the Landslide Influence Zone Zürichberg (Zürich), Switzerland
11.12.23	L 9: Delayed Failure in Snow Avalanches Rigopiano (Italy), Western Himalaya (India) and Urals (Russia)
18.12.23	Tutorial: Exercises 7 and 8. Exam info.

Examination

Written examination (2h)

Assistants

Tinet Ruch

HIL C 20.1

tinnet.ruch@igt.baug.ethz.ch

Office hours

Mondays, 13:00 – 14:00, *in person*, HIL C 20.1

The office hour will be held in person.

In case you wish an online meeting, please send your request to tinnet.ruch@igt.baug.ethz.ch. For meetings in person, no registration is necessary.

Homepage

<https://geomechanics.ethz.ch/education/courses/forensic-geotechnical-engineering.html>