

Course: Soil mechanics and geotechnics (for Environmental Engineering only)

Lectures: geotechnical soil properties. Water in the ground. Geological and engineering research. Characteristics of selected geotechnical phenomena (capillarity, thixotropy, suffosion, landslides, etc.). Stresses in soils. Strength of soils. Slopes stability. Construction disasters. Methods of strengthening the subsoil. Geotechnical solutions in environmental engineering.

Lab: Macroscopic soil analysis, drilling, sounding. Laboratory determination of the physical and mechanical properties of the soil.

Project: geotechnical documentation for a selected object.

Responsible person: Jakub Kostecki, PhD Eng.

More info:

<https://webapps.uz.zgora.pl/syl/index.php?/course/showCourseDetails/1222329>