

<i>Course title:</i> Geotechnics	<i>Code:</i> ErasmusFCEE-ErF5
<i>Field of study:</i> Civil engineering	<i>Year / semester:</i> II
<i>Specialty:</i>	<i>Course:</i> compulsory
<i>Hours / week:</i> Lectures: 0,75 Tutorials: 0 Laboratories: 0 Project / Seminars: 0,75	<i>Number of credits:</i> 6

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Status of the course in the study program:
Core course for students of Civil Engineering

Course description:
Fundamentals of geotechnical engineering with elements of foundation engineering.

Teaching outcomes:
The main aim of the course is to learn about physical and mechanical soil parameters, and their application in the foundations design process.

Prerequisites:
Basic knowledge of mathematics, physics and theoretical mechanics.

Teaching method:
Lectures, laboratory testing and project design.
Literature study.

Assessment method:
Written exam, design exercise.

Bibliography:
1. Principles of Geotechnical Engineering; Braja M.Das. Thomson.
2. The Engineering of Foundations; Rodrigo Salgado. McGraw-Hill.
3. Craig's Soil Mechanics; R.F.Craig. Spon Press.