

COURSE DETAIL

GEOTECHNICS IN ARCHITECTURE

Country

Brazil

Host Institution

Pontifical Catholic University of Rio de Janeiro

Program(s)

Pontifical Catholic University of Rio de Janeiro

UCEAP Course Level

Upper Division

UCEAP Subject Area(s)

Civil Engineering

UCEAP Course Number

112

UCEAP Course Suffix**UCEAP Official Title**

GEOTECHNICS IN ARCHITECTURE

UCEAP Transcript Title

GEOTECHNICS IN ARCH

UCEAP Quarter Units

4.50

UCEAP Semester Units

3.00

Course Description

This course provides an introduction to geotechnics. Topics include physical indexes, soil classification, notions of sampling and surveying, tensions in the soil, resistance wraps, compressibility, and shear strength, stability analysis (slopes, embankments, and excavations), thrusts at rest, retaining structures, gravity walls, direct and deep foundations, drainage, and lowering of the water table.

Language(s) of Instruction

Portuguese

Host Institution Course Number

CIV1581

Host Institution Course Title

GEOTECNIA NA ARQUITETURA

Host Institution Course Details

<https://www.puc-rio.br/ferramentas/ementas/ementa.aspx?cd=CIV1581>

Host Institution Campus

Host Institution Faculty

Host Institution Degree

Host Institution Department

Engenharia Civil

Course Last Reviewed

2023-2024

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