

COURSE DETAIL

FOUNDATION ENGINEERING

Country

Singapore

Host Institution

National University of Singapore

Program(s)

National University of Singapore

UCEAP Course Level

Upper Division

UCEAP Subject Area(s)

Civil Engineering

UCEAP Course Number

116

UCEAP Course Suffix**UCEAP Official Title**

FOUNDATION ENGINEERING

UCEAP Transcript Title

FOUNDATION ENGR

UCEAP Quarter Units

6.00

UCEAP Semester Units

4.00

Course Description

This course covers foundation engineering. The topics covered include site investigation and interpretation of soil reports, shallow foundations and deep foundations. Students learn how to use simple foundations to distribute vertical loads from the superstructure to the underlying soil formation without overstressing the soil (more complex loading modes to be discussed in advanced courses). The course examines the interpretation of site investigation reports, derivation of relevant design soil properties, selection of sensible foundation type, and verification of capacity and settlement requirements.

Language(s) of Instruction

English

Host Institution Course Number

CE3116

Host Institution Course Title

FOUNDATION ENGINEERING

Host Institution Course Details**Host Institution Campus****Host Institution Faculty****Host Institution Degree****Host Institution Department**

Civil & Environmental Engineering

Course Last Reviewed

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