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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