

COURSE DETAIL

TRANSPORTATION 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

130

UCEAP Course Suffix**UCEAP Official Title**

TRANSPORTATION ENGINEERING

UCEAP Transcript Title

TRANSPORT ENGINEER

UCEAP Quarter Units

6.00

UCEAP Semester Units

4.00

Course Description

This course introduces basic principles and tools to design, plan, evaluate, analyze, manage and control transportation systems. The course covers how to identify, formulate, examine, and solve transportation engineering problems. The major topics include transportation system, planning and management, geometric design of roads and intersections, structural design of pavement, pavement materials, traffic flow and analysis, and traffic management and control.

Language(s) of Instruction

English

Host Institution Course Number

CE3121

Host Institution Course Title

TRANSPORTATION ENGINEERING

Host Institution Course Details

Host Institution Campus

Host Institution Faculty

Host Institution Degree

Host Institution Department

Civil and Environmental Engineering

Course Last Reviewed

2022-2023

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