

COURSE DETAIL

TRAFFIC ENGINEERING

Country

Hong Kong

Host Institution

University of Hong Kong

Program(s)

University of Hong Kong

UCEAP Course Level

Upper Division

UCEAP Subject Area(s)

Civil Engineering

UCEAP Course Number

119

UCEAP Course Suffix**UCEAP Official Title**

TRAFFIC ENGINEERING

UCEAP Transcript Title

TRAFFIC ENGINEERING

UCEAP Quarter Units

5.00

UCEAP Semester Units

3.30

Course Description

This course is an introduction to the broad disciplines of traffic engineering and its applications to the management and control of traffic flows in highways and the planning and design of highway junctions and interchanges. This course covers the characteristics of traffic flow, mathematical models of traffic flow, traffic management schemes, traffic surveys, traffic design for safety, and the planning and design of different types of road junctions, including priority junctions, roundabouts, traffic signal controlled junctions and grade-separated junctions and interchanges. Hong Kong examples will be used if possible.

Language(s) of Instruction

English

Host Institution Course Number

CIVL3119

Host Institution Course Title

TRAFFIC ENGINEERING

Host Institution Campus

Host Institution Faculty

Host Institution Degree

Host Institution Department

Civil Engineering

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