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 Course Details

Host Institution Campus

Host Institution Faculty

Host Institution Degree

Host Institution Department
Civil Engineering

Course Last Reviewed

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