

# COURSE DETAIL

## TRANSPORTATION 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**

111

**UCEAP Course Suffix****UCEAP Official Title**

TRANSPORTATION ENGINEERING

**UCEAP Transcript Title**

TRANSPORTATION ENGR

**UCEAP Quarter Units**

5.00

**UCEAP Semester Units**

3.30

**Course Description**

This course introduces key terminologies and concepts, and describes key considerations in transportation engineering. The course uses the application of mathematical and statistical skills to derive or obtain key results in transportation engineering. The course teaches how to identify, formulate and solve transportation engineering problems and design the geometry of highways with the considerations of safety and physical constraints. The course analyzes transportation engineering problems, transportation survey data, and transportation model results. Assessment: written exam (80%), and in-course assignment (20%).

**Language(s) of Instruction**

English

**Host Institution Course Number**

CIVL2111

**Host Institution Course Title**

TRANSPORTATION 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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