

## COURSE DETAIL

### FLUID MECHANICS

**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**

104

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

FLUID MECHANICS

**UCEAP Transcript Title**

FLUID MECHANICS

**UCEAP Quarter Units**

5.00

**UCEAP Semester Units**

3.30

**Course Description**

The course introduces the fundamental concepts of fluid flow, and examples of engineering fluid mechanics. The course helps students to develop a sound understanding of control volume analysis, and its use with mass, momentum, and energy conservation principles. The course prepares students for dimensional analysis for the use of scale models in wind tunnel and hydraulic model testing.

**Language(s) of Instruction**

English

**Host Institution Course Number**

CIVL2103

**Host Institution Course Title**

FLUID MECHANICS

**Host Institution Campus****Host Institution Faculty****Host Institution Degree****Host Institution Department**

Civil Engineering

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