

# COURSE DETAIL

## ENGINEERING PROJECT MANAGEMENT

**Country**

Hong Kong

**Host Institution**

University of Hong Kong

**Program(s)**

University of Hong Kong

**UCEAP Course Level**

Upper Division

**UCEAP Subject Area(s)**

Engineering

**UCEAP Course Number**

146

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

ENGINEERING PROJECT MANAGEMENT

**UCEAP Transcript Title**

ENGIN PROJ MNGMNT

**UCEAP Quarter Units**

5.00

**UCEAP Semester Units**

3.30

## Course Description

This course examines the fundamentals of engineering project management. It covers project environment; project evaluation; risk management process; project selection and proposal preparation; project scheduling and contingency setting and control; control of variation and claims; project management methodologies and techniques, change management; multi-criteria decision making process; analytic hierarchy process; PERT/GANTT techniques for project control and resources allocation; simulation of critical paths; case studies.

### Language(s) of Instruction

English

### Host Institution Course Number

IMSE4102

### Host Institution Course Title

ENGINEERING PROJECT MANAGEMENT

### Host Institution Campus

### Host Institution Faculty

### Host Institution Degree

### Host Institution Department

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