

## Form 2B

# City University of Hong Kong

## Information on a Course

offered by Department of Architecture and Civil Engineering  
with effect from Semester A in 2014/2015

---

### Part I

<b>Course Title:</b>	Civil Engineering Studies
<b>Course Code:</b>	CA5244
<b>Course Duration:</b>	1 Semester (Some courses offered in Summer Term may start a few weeks earlier than the normal University schedule. Please check the teaching schedules with CLs before registering for the courses.)
<b>Credit Units:</b>	3
<b>Level:</b>	P5
<b>Medium of Instruction:</b>	English
<b>Prerequisites:</b>	Nil
<b>Precursor:</b>	Nil
<b>Equivalent Courses:</b>	Nil
<b>Exclusive Courses:</b>	Nil

---

### Part II

#### Course Aims:

To illustrate the fundamental knowledge and classical principles of civil engineering orientation including historical developments, education requirements, relation to science, professional practice, and specialties within the profession; to outline the fundamentals on structural engineering, geotechnical engineering, transportation engineering, hydraulic and hydrology, environmental engineering and construction engineering management.

#### Course Intended Learning Outcomes (CILOs):

Upon successful completion of this course, students should be able to:

No.	CILOs	Weighting (if applicable)
1.	Understand the fundamental principles of civil engineering knowledge	---
2.	Explore civil engineering and the society	---
3.	Understand the fundamentals of various discipline in civil engineering	---
4.	Explore the future development of civil engineering.	---

## Teaching and Learning Activities (TLAs):

(Indicative of likely activities and tasks designed to facilitate students' achievement of the CILOs. Final details will be provided to students in their first week of attendance in this course)

**Semester Hours:** 3 hours per week

**Lecture/Tutorial/Laboratory Mix:** Lecture (0); Tutorial (0); Laboratory (0)

3 hours per week including lectures and tutorials

CILO No.	TLAs	Total Hours (if applicable)
CILO 1	<ul style="list-style-type: none"><li>Lectures and Tutorials: Review the fundamentals of civil engineering</li></ul>	3
CILO 2	<ul style="list-style-type: none"><li>Lectures and Tutorials: Review the relationship of civil engineering and the society</li></ul>	3
CILO 3	<ul style="list-style-type: none"><li>Lectures and Tutorials: Explore the fundamentals of structural engineering, geotechnical engineering, transportation engineering, hydraulic and hydrology, environmental engineering and construction engineering management</li></ul>	30
CILO 4	<ul style="list-style-type: none"><li>Lectures and Tutorials: explore the future development of civil engineering</li></ul>	3

## Assessment Tasks/Activities:

(Indicative of likely activities and tasks designed to assess how well the students achieve the CILOs. Final details will be provided to students in their first week of attendance in this course)

**Coursework:** 100%

**Examination:** 0%

CILO No.	Type of assessment tasks/activities	Weighting (if applicable)	Remarks
CILO 1	<ul style="list-style-type: none"><li>Essay and project.</li></ul>	---	<ul style="list-style-type: none"><li>Nil</li></ul>
CILO 2	<ul style="list-style-type: none"><li>Essay and project.</li></ul>	---	<ul style="list-style-type: none"><li>Nil</li></ul>
CILO 3	<ul style="list-style-type: none"><li>Coursework/ project and quiz</li></ul>	---	<ul style="list-style-type: none"><li>Nil</li></ul>
CILO 4	<ul style="list-style-type: none"><li>Essay and project.</li></ul>	---	<ul style="list-style-type: none"><li>Nil</li></ul>

## Grading of Student Achievement:

### Grading Pattern:

Standard

Refer to Grading of Courses in the Academic Regulations for Taught Postgraduate Degrees.

---

## **Part III**

### **Keyword Syllabus:**

Fundamentals and classical principles of civil engineering orientation including historical developments, education requirements, relation to science, professional practice, and specialties within the profession; fundamentals of structural engineering, geotechnical engineering, transportation engineering, hydraulic and hydrology, environmental engineering and construction engineering management.

### **Recommended Reading:**

- **Texts:**
    1. Civil engineering body of knowledge for the 21st century: preparing the civil engineer for the future / prepared by the Body of Knowledge Committee of the Committee on Academic Prerequisites for Professional Practice. Reston, Va.: American Society of Civil Engineers, c2008.
    2. Kevin Gray. Civil engineering technology. Chandni Chowk, Delhi : Global Media, 2007.
    3. Alan Muir Wood. Civil engineering in context. London : Thomas Telford, 2004.
  - **Online Resources:**
    1. Nil
-