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

Course Title:	Green Building, Architecture and People
Course Code:	CA6609
Course Duration:	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.)
Credit Units:	3
Level:	P6
Medium of Instruction:	English
Prerequisites:	Nil
Precursor:	Nil
Equivalent Courses:	BC6609 Green Building, Architecture and People
Exclusive Courses:	Nil

Part II

Course Aims:

To study the importance of environmental protection through the design and construction of green buildings.

Course Intended Learning Outcomes (CILOs):

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

No.	CILOs	Weighting (if applicable)
1.	understand the concepts of green buildings and sustainability as encouraged by the HKSAR Government; green building knowledge in Hong Kong, and case study	---
2.	understand the relationship between architectural concerns and the requirements of occupants with the actual building design;	---
3.	implementan assessment on buildings from an architectural, interior design, landscape design and environmental protection points of view;	---
4.	understand the definitions of a green building, and green building assessment.	---

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 (2); Tutorial (1); Laboratory (0)

CILO No.	TLAs	Total Hours (if applicable)
CILO 1	• Lectures and Tutorials	
CILO 2	• Lectures and Tutorials	
CILO 3	• Lectures and Tutorials	
CILO 4	• Lectures and Tutorials	

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: 50%

Examination: 50% (Examination duration = 2 hours)

To pass a course, a student must obtain minimum marks of 30% in both coursework and examination components, and an overall mark of at least 40%.

CILO No.	Type of assessment tasks/activities	Weighting (if applicable)	Remarks
CILO 1	• Coursework and exam	---	• Nil
CILO 2	• Coursework and exam	---	• Nil
CILO 3	• Coursework and exam	---	• Nil
CILO 4	• Coursework and exam	---	• Nil

Grading of Student Achievement:

Grading Pattern:

Standard

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

Part III

Keyword Syllabus:

History of architecture; man's behaviour in varying built environment; urban versus rural development; alternative definitions of green buildings; assessment of green buildings; architects' approaches to green building design; green buildings in Hong Kong; technologies for green buildings; energy efficient and intelligent buildings; sustainability of buildings; harmony between human beings and the built environment.

Recommended Reading:

- **Texts:**
    1. European Commission, Directorate General XVII for Energy, 1999. A Green Vitruvius: Principles and Practice of Sustainable Architectural Design, James & James, London.
    2. Sustainable Building Technical Manual: Green Building Design, Construction and Operations, Public Technology, Inc., Washington, D.C., 1996.
    3. Kibert, C. J., Sustainable construction : green building design and delivery, Hoboken, N.J. : John Wiley, 2005.
    4. Kibert, C. J., Sendzimir, J. and Guy, G. B., Construction ecology : nature as the basis for green buildings, London ; New York : Spon Press, 2002.
- **Online Resources:**
    1. Green buildings and Sustainable Architecture http://www.arch.hku.hk/research/BEER/sustain.htm and other education lectures and further links.
    2. Environmental Design Library - Green Design / Sustainable Architecture: Resources http://www.lib.berkeley.edu/ENVI/GreenAll.html.
    3. Building Department Environmental Reports http://www.bd.gov.hk/english/documents/index_env.html
    4. Nano-building materials and new building technologies for green buildings -e.g. solar resistant paint, concrete treated with water proofing liquid http://www.formulahk.com/english/building/nanocoasting/index.html.