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:	Design Management
Course Code:	CA6204
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:	BC6204 Design Management
Exclusive Courses:	Nil

Part II

Course Aims:

The overall aim of this course is to provide exposure on various aspects of design management in building construction projects so as to enhance related knowledge and skill-sets of the learning communities. The focus is to enriching students' design management knowledge by covering related management theories and techniques, specific design management roles and responsibilities of key parties e.g. (a) in various stages of preconstruction and construction phases in building projects, and (b) in different procurement/ project delivery systems. Mainly, students shall acquire knowledge regarding design management in construction projects with respect to relevant facets such as systems engineering, requirements engineering, design quality, performance and client/customer satisfaction aspects.

Course Intended Learning Outcomes (CILOs):

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

No.	CILOs	Weighting (if applicable)
1.	appraise the design related roles and responsibilities of design team in various phases of building construction projects (e.g. pre-construction phase, tendering phase, construction phase);	---
2.	appraise the design management related deviations in different procurement/ project delivery systems used in the construction industry;	---
3.	appraise and recommend good practices targeting excellence with respect to design quality, performance, value, and satisfaction aspects;	---
4.	formulate and/ or apply relevant theories, strategies, methods and tools/ techniques for effective and efficient management of design works in the construction industry.	---

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: Regarding the specific roles and responsibilities of different designers in various phases of a building construction project; • Quiz and Exam	6
CILO 2	• Lectures and Tutorials: Regarding appreciation of design management related deviations in different procurement/ project delivery systems in the construction industry; • Quiz and Exam	3
CILO 3	• Lectures, Tutorials: Regarding devising suitable management measures and best practices for (a) dealing with design changes, conflicts and rework items in building construction projects, and (b) improving design quality and client/customer satisfaction aspects; • Assignment: Group projects and presentations, Quiz and Exam	12
CILO 4	• Lectures, Tutorials: Regarding formulation and/or application of relevant theories, methods, techniques etc. for effective and efficient management of design works in the construction industry; • Assignment: Group projects and presentations, Quiz and Exam	18

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	• Examination - Students are required to demonstrate their capability to either critically review given topics or give advice on scenario case(s) • Quiz	---	• This module adopts Discovery-enriched Curriculum and thus assessment tasks/activities shall be geared towards the same.
CILO 2	• Examination - Ditto • Quiz	---	• Ditto

CILO 3	• Examination - Ditto • Assignment: Group projects and presentations, plus an essay (individual work) Quiz	---	• Ditto
CILO 4	• Examination - Ditto • Assignment: Group projects and presentations, plus an essay (individual work) Quiz	---	• Ditto

Grading of Student Achievement:

Grading Pattern:

Standard

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

Part III

Keyword Syllabus:

Introduction to design process in construction projects; roles and responsibilities of design team; design deliverables at various phases of project; impacts of different procurement/ project delivery systems on design management functions; overview of design management facets such as design quality, constructability issues, client/customer satisfaction aspects, value engineering fundamentals, managing innovation and creativity, design coordination, communication and information flows; systems and strategies for management of time, cost, resources related to design teams in construction projects; special topics of design management such as design related regulatory requirements and statutory approvals, knowledge management in design firms, design change management.

Recommended Reading:

- **Texts:**
  1. Gray C., Hughes, W., and Bennett , J. 1994, The Successful Management of Design, University of Reading [Call # TH438 .G72 1994]
  2. Gray C. & Hughes, W. 2001, Building Design Management, Butterworth-Heinemann, Oxford [Call # TH438 .G64 2001]
  3. Lawson, B. 1994, Design in Mind, Butterworth Architecture, Oxford [Call # NA2750 .L38 1994]
  4. RIBA, 1988, Architect's Job Book: Volume 1 – Job Administration, Fifth edition 1988, RIBA Publications, London [Call # NA1996 .A72 1988 v.1]
  5. RIBA, 1998, The Architect's Handbook of Practice and Management, Sixth edition, RIBA Publications, London [Call # NA1996 .R65 1998]
  6. Thompson, A. 1999, Architectural Design Procedures, Second edition, Edward Arnold, London [Call # NA2750 .T56 1999]
- **Online Resources:**
  1. Nicholson, M.P. (2003) Architectural Management [electronic resourse], E & FN Spon, London, (EBOOK)
  2. Design Cost & Data (EJOURNAL)
