

**City University of Hong Kong  
Course Syllabus**

**offered by Department of Architecture and Civil Engineering  
with effect from Semester A 2022/23**

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**Part I Course Overview**

<b>Course Title:</b>	Production Management
<b>Course Code:</b>	CA5101
<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>Medium of Assessment:</b>	English
<b>Prerequisites:</b> <i>(Course Code and Title)</i>	Nil
<b>Precursors:</b> <i>(Course Code and Title)</i>	Nil
<b>Equivalent Courses:</b> <i>(Course Code and Title)</i>	BC5101 Production Management
<b>Exclusive Courses:</b> <i>(Course Code and Title)</i>	Nil

## Part II Course Details

### 1. Abstract

The aims of this course are to explore various methods and techniques for managing construction works to a successful completion and to increase work effectiveness. On completion of this programme, students shall be able to demonstrate that: a) they have acquired knowledge on the theoretical framework, b) they can apply quantitative and statistical analysis, and c) they have the ability of putting the theories they learnt into practice on managing construction works at site level. Students shall be able to analyse and explain the relationships between the project control functions and business management functions of a construction firm, which link up the business and project control management into one comprehensive premise.

### 2. Course Intended Learning Outcomes (CILOs)

(CILOs state what the student is expected to be able to do at the end of the course according to a given standard of performance.)

No.	CILOs	Weighting (if applicable)	Discovery-enriched curriculum related learning outcomes (please tick where appropriate)		
			A1	A2	A3
1.	identify and apply construction management principles, strategies and techniques contributing to project success;		✓	✓	✓
2.	make use of the quantitative and statistical analysis tools in performing construction planning and control process;		✓	✓	
3.	identify and prepare/use the types of schedules used to support construction management;		✓		
4.	appraise the procedure manuals adopted in the various functional areas of a local general building contractor and make critical comment on the same based on the theories learnt in CILO no. 1		✓	✓	✓
		100%			

#### A1: Attitude

*Develop an attitude of discovery/innovation/creativity, as demonstrated by students possessing a strong sense of curiosity, asking questions actively, challenging assumptions or engaging in inquiry together with teachers.*

#### A2: Ability

*Develop the ability/skill needed to discover/innovate/create, as demonstrated by students possessing critical thinking skills to assess ideas, acquiring research skills, synthesizing knowledge across disciplines or applying academic knowledge to self-life problems.*

#### A3: Accomplishments

*Demonstrate accomplishment of discovery/innovation/creativity through producing /constructing creative works/new artefacts, effective solutions to real-life problems or new processes.*

### 3. Teaching and Learning Activities (TLAs)

(TLAs designed to facilitate students' achievement of the CILOs.)

TLA	Brief Description	CILO No.				Hours / week (if applicable)
		1	2	3	4	
Lectures	On topic related to production management	✓	✓	✓	✓	2 hrs/wk
Tutorials	Class discussions	✓	✓	✓	✓	1 hr/wk

Semester Hours:	3 hours per week
Lecture/Tutorial/Laboratory Mix:	Lecture (2); Tutorial (1); Laboratory (0)

### 4. Assessment Tasks/Activities

(ATs are designed to assess how well the students achieve the CILOs.)

Assessment Tasks / Activities	CILO No.				Weighting	Remarks
	1	2	3	4		
Continuous Assessment: 100%						
Assignments	✓			✓	25%	
Mid-term test/quiz		✓	✓		30%	
Individual project	✓	✓	✓	✓	30%	
Presentations	✓			✓	15%	
Examination: 0% (duration: 0 hour(s))						
Examination					0%	
					100%	

\* Coursework including, but not limited to, assignments, mid-term test/quiz, projects and presentations.

## 5. Assessment Rubrics

(Grading of student achievements is based on student performance in assessment tasks/activities with the following rubrics.)

### Applicable to students admitted in Semester A 2022/23 and thereafter

Assessment Task	Criterion	Excellent (A+, A, A-)	Good (B+, B)	Marginal (B-, C+, C)	Failure (F)
Assignments	Ability to understand, analyze and apply the theories acquired in the course	High	Significant	Basic	Not even reaching marginal levels
Mid-term test/quiz	Ability to understand, analyze and apply the theories acquired in the course	High	Significant	Basic	Not even reaching marginal levels
Individual project	Ability to understand, analyze and apply the theories acquired in the course	High	Significant	Basic	Not even reaching marginal levels
Presentations	Ability to understand, analyze and apply the theories acquired in the course	High	Significant	Basic	Not even reaching marginal levels

### Applicable to students admitted before Semester A 2022/23

Assessment Task	Criterion	Excellent (A+, A, A-)	Good (B+, B, B-)	Fair (C+, C, C-)	Marginal (D)	Failure (F)
Assignments	Ability to understand, analyze and apply the theories acquired in the course	High	Significant	Moderate	Basic	Not even reaching marginal levels
Mid-term test/quiz	Ability to understand, analyze and apply the theories acquired in the course	High	Significant	Moderate	Basic	Not even reaching marginal levels
Individual project	Ability to understand, analyze and apply the theories acquired in the course	High	Significant	Moderate	Basic	Not even reaching marginal levels
Presentations	Ability to understand, analyze and apply the theories acquired in the course	High	Significant	Moderate	Basic	Not even reaching marginal levels

**Part III Other Information** (more details can be provided separately in the teaching plan)

**1. Keyword Syllabus**

*(An indication of the key topics of the course.)*

Introduction to management theories and different school of thoughts; organization structure; concepts of control; operation control strategies and statistical analysis; management issues in operation; controlling and monitoring measures in construction production process.

**2. Reading List**

**2.1 Compulsory Readings**

*(Compulsory readings can include books, book chapters, or journal/magazine articles. There are also collections of e-books, e-journals available from the CityU Library.)*

1.	Nil
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**2.2 Additional Readings**

*(Additional references for students to learn to expand their knowledge about the subject.)*

1.	Bennett, J. 1985, Construction Project Management, London: Butterworths [Call # TH438 .B434 1985]Harris, F.C. & McCaffer, R. 2006, Modern Construction Management, London: BSP Professional Books [Call # HD9715 .A2 H35 2006]
2.	Oxley, R. & Poskitt, J. 1996, Management Techniques applied to the Construction Industry, 4th Edition. London: BSP Professional Books [Call # TH438 .O95 1996]