

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:	Transportation and Land Planning
Course Code:	CA5236
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:	P5
Medium of Instruction:	English
Prerequisites:	Nil
Precursor:	Nil
Equivalent Courses:	Nil
Exclusive Courses:	Nil

Part II

Course Aims:

To understand the role of transportation in urban and regional development and land use planning; characteristics of urban-person transportation systems and methods of analysis and forecasting of urban-person transportation demand; transportation systems management and capital improvement programming; mass transit systems, high-speed train and its relation to regional planning.

Course Intended Learning Outcomes (CILOs):

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

No.	CILOs	Weighting (if applicable)
1.	Discover the relationship between land use planning and transportation;	---
2.	Apply methods of analysis on travel demands, accessibility, economic, environment and social impacts;	---
3.	Discover the roles of urban transit, high-speed rail, and airport systems in regional planning;	---
4.	Understand travel demand management (TDM), transit-oriented development (TOD), and sustainable infrastructure finance.	---

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	<ul style="list-style-type: none">Lectures and tutorialsCase studies to appreciate the relationship of land use and transportation planning	12
CILO 2	<ul style="list-style-type: none">Lectures and tutorialsCase studies for assessing travel demands, mobility and accessibility, economic, environmental and social impacts	9
CILO 3	<ul style="list-style-type: none">Lectures and tutorialsCase studies on the role of urban transit, high-speed rail and airport systems in city and regional planning	12
CILO 4	<ul style="list-style-type: none">Case studies on TDM, TOD, and finance	6

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">Course work (100%): Mid-term Quiz (30%) and project/assignment (70%)	---	<ul style="list-style-type: none">Nil
CILO 2	<ul style="list-style-type: none">Course work (100%): Mid-term Quiz (30%) and project/assignment (70%)	---	<ul style="list-style-type: none">Nil
CILO 3	<ul style="list-style-type: none">Course work (100%): Mid-term Quiz (30%) and project/assignment (70%)	---	<ul style="list-style-type: none">Nil
CILO 4	<ul style="list-style-type: none">Course work (100%): Mid-term Quiz (30%) and project/assignment (70%)	---	<ul style="list-style-type: none">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:

Land use planning; role of transportation in urban development and planning; methods of analysis on passenger travel demands and spatial impacts of transportation projects and programs; transportation capital improvement, system management and finance; urban rail transit, high-speed rail, airport and bus rapid transit in city and regional planning.

Recommended Reading:

- **Texts:**
 1. Banister, David, and Joseph Berechman. Transport investment and economic development. London: UCL Press, 2000.
 2. Cervero, Robert. The transit metropolis : a global inquiry. Washington, D.C.: Island Press, 1998.
 3. Rodrigue, Jean-Paul, Claude Comtois, and Brian Slack. The geography of transport systems. London; New York: Routledge, 2009.
 4. Dimitriou, Harry T., and Alison Cook, eds. Land-use/transport Planning in Hong Kong: The End of an Era: a Review of Principles and Practices. Aldershot, Hants, England ; Brookfield, USA: Ashgate, 1998.
 - **Online Resources:**
 1. Nil
-