

**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>	Transportation and Land Planning
<b>Course Code:</b>	CA5236
<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>	Nil
<b>Exclusive Courses:</b> <i>(Course Code and Title)</i>	Nil

## Part II Course Details

### 1. Abstract

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.

### 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.	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.		✓		
		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	Introduce the classic and unconventional issues of transportation and land planning from various fields of research and professional practices	✓	✓	✓	✓	
Tutorials	In-class discussions and small practices to figure out innovative solutions to the issues introduced in each lecture	✓	✓	✓	✓	

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: 50%						
Mid-term test	✓	✓			20%	
Group Project and Term Paper	✓	✓	✓	✓	30%	
Examination: 50% (duration: 2 hour(s))						
Examination					50%	
					100%	

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%

## 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)
Mid-term test	CAPACITY to UNDERSTAND basic theories and classic issues and ANALYZE the issues through critical thinking	High	Significant	Basic	Not even reaching marginal levels
Group Project and Term Paper	CREATIVITY to SOLVE classic and unconventional issues by combining various approaches in a multidisciplinary sense	High	Significant	Basic	Not even reaching marginal levels
Examination	CREATIVITY to SOLVE classic and unconventional issues by combining various approaches in a multidisciplinary sense	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)
Mid-term test	CAPACITY to UNDERSTAND basic theories and classic issues and ANALYZE the issues through critical thinking	High	Significant	Moderate	Basic	Not even reaching marginal levels
Group Project and Term Paper	CREATIVITY to SOLVE classic and unconventional issues by combining various approaches in a multidisciplinary sense	High	Significant	Moderate	Basic	Not even reaching marginal levels
Examination	CREATIVITY to SOLVE classic and unconventional issues by combining various approaches in a multidisciplinary sense	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.)*

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.

**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.	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.