

**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>	Environmental Economics, Planning and Policy
<b>Course Code:</b>	CA5217
<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

This course builds on fundamental economic theory to develop analytic tools of analysis for policy problems on environmental and planning issues. The course discusses the roles of governments in dealing with environmental and planning problems. Both classical and contemporary economic issues will be covered in this module.

### 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.	Introduce the basic economic concept: supply, demand, consumer choice, etc;			✓	✓
2.	Explore how markets work and why markets are efficient;		✓	✓	
3.	Explore the conditions and implications of markets failure;			✓	✓
4.	Apply economic theory to environmental and planning issues.		✓	✓	✓
		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 topics related to Environmental Economics and Planning	✓	✓	✓	✓	
Tutorials	In class discussions and activities on problems related to lecture themes	✓	✓	✓	✓	

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 quiz	✓	✓	✓	✓	50%	
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 quiz	Ability to understand and apply theories and knowledge to topics related to market system	High	Significant	Basic	Not even reaching marginal levels
Examination	Ability to understand and apply theories and knowledge to topics related to market failure	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 quiz	Ability to understand and apply theories and knowledge to topics related to market system	High	Significant	Moderate	Basic	Not even reaching marginal levels
Examination	Ability to understand and apply theories and knowledge to topics related to market failure	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.)*

Supply, demand, consumer theory, firm theory, market efficiency, market failure, monopoly, information asymmetry, externalities, environmental policies, planning policies, cost and benefit analysis etc.

**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.	Field, Barry & Martha K Field. 2008. Environmental Economics, McGraw-Hill/Irwin, 5th edition.
2.	Mankiw, G. Principles of Microeconomics, any edition.
3.	Varian, Hal, Intermediate Microeconomics, 8th ed, 2010.
4.	Ruddock, Les. (2009) 'Economics for the Modern Built Environment' Taylor & Francis, London and New York. (HD9715.A2 E285)
5.	Kolstad, Charles. 2010. Environmental Economics, Oxford University Press, USA; 2 edition.