City University of Hong Kong

Information on a Course
offered by the Department of Economics and Finance
with effect from Semester A in 2012/2013

Part I

Course Title: Topics in Econometrics II

Course Code: EF5412

Course Duration: 1 semester (39 hours)

Credit Units: 3

Level: P5

Medium of Instruction: English

Prerequisites:
EF5470 Econometrics / FB8912 Business Research Methods

Precursors: Nil

Equivalent Courses: Nil

Exclusive Courses: Nil

Part II

Course Aims

This course provides an in-depth survey of selected state–of–the–art topics in Econometrics, such as new development in theoretical econometrics, computational methods in econometrics, econometric models for preferences and pricing, the econometrics of industrial organization, index numbers and the econometrics of trade, and models of consumer and worker choice. Course materials will be drawn from *Handbook of Econometrics* and selected journal articles. Students will apply these techniques and concepts to real life cases and examine their usefulness in various fields of economics and finance. By engaging in these exercises, students further strengthen their discovery skills.

Course Intended Learning Outcomes (CILOs)
Upon successful completion of this course, students should be able to:

No.	CILOs	Weighting (if applicable)
1.	Apply the econometric methods covered in this course; Students will solve real-world problems by using econometric software. Empirical applications focus on the underlying economic rationale and their mathematical interpretations.	50%
2.	Critically evaluate applications of the econometric methods covered in this course in the literature; Students will discover the contribution and limitation of the econometric applications in the literature and innovate by applying recently developed methods to unsolved problems.	50%

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)

CILO No.	TLAs	Hours/week (if applicable)
CILO 1	Lectures, in-class discussions, assignments	
CILO 2	Lectures, in-class discussions, assignments	

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)

CILO No.	Type of Assessment Tasks/Activities	Weighting (if applicable)	Remarks
CILO 1 - 2	Projects, Homework assignments, discussions	100 %	

Summary of how DEC is incorporated in Assessment Tasks, and Teaching and Learning Activities (TLAs)

DEC Elements	Assessment Tasks and TLAs
Develop students' attitude to discover and innovate	Lecture In-class discussion
Develop students' abilities to discover and innovate, accomplishments of Discovery and Innovation	Homework Assignment
Accomplishments of Discovery and Innovation	Individual project

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

Letter Grade	Grade Points	Grade Definitions	Remarks
A+ A A-	4.3 4.0 3.7	Excellent	Strong evidence of firm grasp of the subject knowledge and achieving the stated CILOs; Students have demonstrated very strong overall ability to discover and innovate, and showed very strong evidence of accomplishments of discovery.
B+ B B-	3.3 3.0 2.7	Good	Sufficient evidence of achieving the stated CILOs; Students have demonstrated strong overall ability to discover and innovate, and showed strong evidence of accomplishments of discovery.
C+ C C-	2.3 2.0 1.7	Adequate	Some evidence of achieving the stated CILOs; Students have demonstrated some ability to discover and innovate, and showed satisfactory evidence of accomplishments of discovery.
D	1.0	Marginal	Marginal familiarity with the subject knowledge; Students have demonstrated marginal ability to discover and innovate, and showed marginal evidence of accomplishments of discovery.
F	0.0	Failure	Little evidence of familiarity with the subject knowledge; Students have demonstrated little evidence of ability to discover and innovate, and showed little evidence of accomplishments of discovery.

Part III

Keyword Syllabus

Bootstrap; Panel data; Interactions–based models; Duration models; Computational intensive methods in econometrics; Markov chain Monte Carlo methods; Structural econometric modelling; Microeconometric models of investment and employment; Heterogeneity; Testing international trade theory.

Recommended Reading
Text(s)

Handbook of Econometrics, Vol. 1 – 6. Elsevier.