

COURSE CONTENT

Course Coordinator	BAO Te
Course Code	HE3613 / HE3026
Course Title	Urban Economics
Pre-requisites	HE2001 Microeconomics II/ HE9092 Economic Theory/ HE5092 Economic Theory and HE2003 Econometrics I/ HE2004 Introductory Econometrics/ HE2005 Principles of Econometrics
No of AUs	3
Contact Hours	3 hours Seminar per week

Course Aims

This course introduces some basic models of urban economics. It aims to provide a basic understanding of the basic characteristics of cities and skills to analyze cities and urban problems.

Intended Learning Outcomes (ILO)

By the end of this course, you (as a student) would be able to:

1. Identify and interpret various basic concepts in urban economics.
2. Describe the principles of agglomeration economy and use it to explain the emergence of cities and land usage patterns.
3. Apply these techniques to analyze a question in urban economics and write a report.
4. Critically assess the application of the knowledge to questions from the real life.

Course Content

Topics covered include various models for financial data, in particular time series models. This course will emphasize hands-on applications using computer software.

Assessment (includes both continuous and summative assessment, more details will be announced in class)

1. Continuous Assessment	:	50%
2. Final Examination	:	50%
Total	:	<u>100%</u>

Reading and References

This course will be mainly based on lecture notes. The exercises come from this book:

O'Sullivan, A. Urban Economics. (2012) 8th Edition. McGraw-Hill, International Edition.

Course Instructors

Instructor	Office Location	Email
Bao Te	SHHK 04-49	baote@ntu.edu.sg

Planned Weekly Schedule

Week	Topic	Course LO	Readings/ Activities
1	Introduction; Why Do Cities Exist?	1, 2, 4	Lecture notes
2	Clustering and Agglomeration Economies	2	Lecture notes, Exercises
3	Urban Size and Growth	1, 2, 3, 4	Lecture notes, Exercises
4	The Land Rent Model	1, 2, 3, 4	Lecture notes, Exercises
5	Land Usage Patterns	1, 2, 3, 4	Lecture notes, Exercises
6	Spatial Choices and Neighborhood Effects	1, 2, 3, 4	Lecture notes, Exercises
7	Spatial Policies and Urban Planning	1, 2, 3, 4	Lecture notes, Exercises
8	Recess		
9	Urban Transport and Policy	1, 2, 3, 4	Lecture notes, Exercises
10	Economics of Education	1, 2, 3, 4	Lecture notes, Exercises
11	Economics of Crime	1, 2, 3, 4	Lecture notes, Exercises
12	Housing markets	1, 2, 3	Lecture notes
13	Presentation of Term Projects and Review	1, 2, 3, 4	Lecture notes