

Module Outline

Module Code : RE1704
Module Title : Principles of Real Estate Economics
Semester : Semester 2, Academic Year 2022/2023
Faculty : Assistant Professor Fan Yi & Ms Zhang Shuting (Tutorials)
Department : Real Estate
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Overview

This module helps students build up the foundation for the economic analysis of cities and real estate markets. In addition to introducing basic micro- and macro- economic concepts, this module combines microeconomic theories with application in urban topics and real estate markets. It also elaborates on relevant macroeconomics concepts to understand housing cycles, urban planning, and regional economic growth in the real estate market.

Learning Outcomes

Through the module, student will be able to:

- Understand the ideas, models, and applications of economics; relevance for real estate business
- Understand the notion of comparative advantage and its application in trade; apply supply and demand to real estate analytics
- Implement concept of elasticity to real estate analysis; apply consumer choice theory to analytics in real estate market
- Analyse producer choice in real estate market
- Evaluate market efficiency in real estate cases and implement concepts of externalities to real estate analysis
- Understand measures for cost of living, nation's income
- To learn the relationship between aggregate saving, investment, and international capital flow
- To learn the workings of money and financial systems
- Understand short-run effects of fiscal and monetary policies on the economy
- Analyze factors for long-run economic growth
- Link unemployment and inequality to real estate market analytics

Module Prerequisite(s)

Nil

Module Preclusion(s)

EC1101E Introduction to Economic Analysis

General Guide & Reading

Main Textbook:

- **Mankiw, Gregory, Principles of Economics, Cengage Learning, 9th edition (2021).**
(Available for purchase at NUS Co-op or <http://www.cengagesgstore.com/ae-principles-of-economics-8th-edition>)

Supplementary textbook (recommended for students with little economics background):

- [Principles of Economics: Graphic Edition, Volume 1, Cengage Learning 1st Edition \(2019\)](https://www.cengageasia.com/TitleDetails/isbn/9789814878371) N. Gregory Mankiw, Yong-Seok Kim, Ki-Young Kim (ISBN-13: 9789814878371 | ISBN-10: 9814878375). This book offers easy-to-understand illustrations of the most important concepts in economics. (see <https://www.cengageasia.com/TitleDetails/isbn/9789814878371>)

Tentative Schedule & Outline

Lesson /Week	Date	Topic	Activity (preparation / cases & assignments / follow-up readings & resources)
1	Jan 13	Introduction Ch. 1: the fundamental ideas of economics Ch. 2: the economic way of thinking	
2	Jan 20	How markets work Ch. 3: comparative advantage and trade Ch. 4: market forces of supply and demand	
3	Jan 27	Elasticity and consumer choice Ch. 5: elasticity and application Ch. 21: theory of consumer choice	Tutorial 1: Practice problems for lectures 1-3
4	Feb 3	Producer choice Ch. 13: costs of production Ch. 14: firms in competitive markets	Tutorial 1: Practice problems for lectures 1-3
5	Feb 10	Market efficiency and welfare Ch. 7: consumers, producers, and the efficiency of markets Ch. 8: The costs of taxation	
6	Feb 17	Economics of the public sector Ch. 10: externalities Ch. 11: public goods and common resources	Tutorial 2: Practice problems for lectures 4-6
Recess Week 18 Feb to 26 Feb 2023			
7	Mar 3	Measuring aggregate income and prices Ch. 23: measuring a nation's income Ch. 24: measuring the cost of living	Tutorial 2: Practice problems for lectures 4-6 Quiz 1 (in-class)
8	Mar 10	The financial system and monetary system Ch. 26: saving, investment, and the financial system Ch. 29: the monetary system	Tutorial 3: Practice problems for lectures 7-8
9	Mar 17	Short-run business cycles Ch. 33: aggregate demand and aggregate supply Ch. 34: managing aggregate demand—fiscal and monetary policies	Tutorial 3: Practice problems for lectures 7-8

10	Mar 24	Factors of production and national productivity in the long run Ch. 18: markets for factors of production Ch. 25: long-run economic growth	Tutorial 4: practice problems for lectures 9-10
11	Mar 31	Income inequality and redistribution in the economy Ch. 20: income inequality Ch. 28: unemployment	Tutorial 4: practice problems for lectures 9-10 Quiz 2 (in-class)
12	Apr 7	Good Friday	Tutorial 5: discussion on past papers
13	Apr 14	Revisions	Tutorial 5: discussion on past papers
Reading Week 15 Apr to 21 Apr 2023			
Examination Weeks 22 Apr to 6 May 2023			

Assessment

Assessment Components	Weightage (%)
Participation in Tutorials & Lectures	20
Quiz	20
Open Book E-Examination	60
Total	100

Academic Honesty & Plagiarism

Academic integrity and honesty is essential for the pursuit and acquisition of knowledge. The University and School expect every student to uphold academic integrity & honesty at all times. Academic dishonesty is any misrepresentation with the intent to deceive, or failure to acknowledge the source, or falsification of information, or inaccuracy of statements, or cheating at examinations/tests, or inappropriate use of resources.

Plagiarism is “the practice of taking someone else’s work or ideas and passing them off as one’ own” (The New Oxford Dictionary of English). The University and School will not condone plagiarism. Students should adopt this rule - You have the obligation to make clear to the assessor which is your own work, and which is the work of others. Otherwise, your assessor is entitled to assume that everything being presented for assessment is being presented as entirely your own work. This is a minimum standard. In case of any doubt, you should consult your instructor.

Additional guidance is available at:

- <http://www.nus.edu.sg/registrar/administrative-policies-procedures/acceptance-record#NUSCodeofStudentConduct>
- <http://nus.edu.sg/osa/resources/code-of-student-conduct>

About me

Dr. Fan Yi is an assistant professor in the Department of Real Estate at NUS Business School. Her research interests lie in urban economics and labour economics, focusing on topics related to mobility and sustainability. Specifically, she works on evaluation of responses to urban environment/policy, inter-generational and intra-generational mobility. Her work has been published at leading journals, such as *American Economic Journal*:

Economic Policy, Journal of Urban Economics, Journal of Economic Behavior & Organization, Journal of Regional Science, China Economic Review, Journal of Environmental Planning and Management.

Dr. Fan has served as guest editor of Renewable & Sustainable Energy Reviews and has been ad hoc reviewers for more than 20 journals. She has been awarded NUS Business School Teaching Excellence Award and NUS Humanities and Social Sciences Faculty Research Fellowship. Dr Fan obtained her PhD from the London School of Economics and Political Science in 2015. Prior to joining NUS, she has taught in universities in Hong Kong and the United Kingdom.