

Course Outline

Course Code : RE4808
Course Title : Urban and Sustainability Policies
Semester : Semester 2, Academic Year 2025/2026
Faculty : Asst Prof Wang Binglin & Asst Prof Dr Wang Xize
Department : Real Estate
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Overview

This course exposes students to current urban and sustainability challenges faced by Singapore and other global cities. It links these challenges to fundamental global trends of technological, demographic and climatic changes. Urban development goals such as sustainability, liveability, and social equity will be discussed, along with various urban solutions including land use, transport, infrastructure development, place-based policies, and impact analysis using methods such as cost-benefit analysis or policy evaluations. Students are challenged, through case studies, to think about necessary collective choices, including land use policies, taxation and allocation of public resources, and urban governance models, to achieve sustainable urban development.

Learning Outcomes

Through the course, student will be able to:

- Understand challenges in urban (re)development and sustainable growth
- Understand the fundamentals of policy making
- Critically evaluate the policy impacts
- Critically analyse the impacts on behaviours of various individuals and/or organizations

Course Prerequisite(s)

RE1701 Urban Land Use and Development **OR** RE1707 Real Estate, Society and Enterprise

Course Preclusion(s)

Nil

General Guide & Reading

Nil

Tentative Schedule & Outline

Week	Date	Topic	Activity
1	16 Jan	Introduction	
2	23 Jan	Sustainable development I: history and scientific evidence	

3	30 Jan	Sustainable development II: strategies and evaluation tools	
4	6 Feb	Economic Sustainability: land resources management framework	
5	13 Feb	Sustainable urban development: transport & land use I	Group presentation 1
6	20 Feb	Sustainable urban development: transport & land use II	Group presentation 1
	21 Feb – 1 Mar	RECESS WEEK	
7	6 Mar	Environment Sustainability: Urban Pollution & Liveability Solution I	
8	13 Mar	Environment Sustainability: Urban Pollution & Liveability Solution II	Group assignment 1 due
9	20 Mar	Social Sustainability: Inequality & Housing Policy	
10	27 Mar	Social Sustainability: Demographic Challenge & Population policy	Group presentation 2
11	3 Apr	No class – Good Friday	
12	10 Apr	Social Sustainability: Neighbourhood Change & Gentrification policy	Group presentation 2
13	17 Apr	Course wrap-up and final test	
	18 – 24 Apr	READING WEEK	Group assignment 2 due
	25 Apr – 9 May	EXAMINATION (2 WEEKS)	

Assessment

Assessment Components	Weightage (%)
<u>Group Assignments</u> <ul style="list-style-type: none"> Two assignments Each assignment is worth 25%. Within each assignment, there will be one presentation worth 10% each, and one report worth 15% each. 	50%
<u>Individual Work</u> <ul style="list-style-type: none"> In-Class Tutorial Participation Weekly Quizzes 	10% 10%

• Final Test	30%
	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’s 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. WANG Binglin is an assistant professor in the Department of Real Estate at the NUS Business School. His research is at the intersection of urban, transportation, environmental, and energy economics, and empirical industrial organization. He received his PhD in Applied Economics and Management from Cornell University.

Dr. WANG Xize is an assistant professor at the Department of Real Estate of National University of Singapore (NUS). He is also a faculty affiliate of NUS Institute of Real Estate and Urban Studies (IREUS) and NUS Centre for Family and Population Research (CFPR). He works interdisciplinary in the fields of public policy, urban planning, public health and transportation. His current work focuses on (1) the impact of urban built environment on people’s mental health and well-being, as well as (2) how individuals and policy makers could best mitigate the negative health impacts of the incoming global challenges (e.g., climate change, and aging).

Prior to NUS, he has been a postdoctoral scholar at University of California, Berkeley. He received a Ph.D. in Urban Planning and Development at University of Southern California, a Master in Urban and Regional Planning at University of Minnesota, and a B.E. in Urban Planning and a B.A. in Economics in 2010 at Peking University, where he was also a recipient of China’s National Scholarship.