

New Territories Tomorrow: *Inclusive infrastructures*

2019-20 2nd Term,
Mondays & Thursdays 1:30pm – 6.15pm Venue: Urban Design Studio 5th Floor AIT Building

Instructors: Adjunct Assistant Professor Darren Snow
Assistant Professor Jeroen van Ameijde

Workshop Inputs: Adjunct Associate Professor Daniel Pätzold (CUHK)
Associate Professor Hendrik Tieben (CUHK)



STUDIO BACKGROUND, GOALS AND APPROACH

Building on the investigation of infrastructure and public space in the first Studio, the second Studio gives students the opportunity to work at a variety of urban scales. The studio will focus on Hong Kong's New Territories, examining the interface between regional infrastructure and local placemaking initiatives.

In recent years Hong Kong has struggled to generate consensus around a vision for the New Territories. The challenges facing the region are often framed in terms of constricted supply of developable land. This has prompted several ambitious responses, including a proposal to construct a new CBD on artificial islands in the eastern waters of Lantau Island. Yet there has been little meaningful progress in the absence of a shared vision for the region. Agricultural

lands lie vacant and unused. Settlements from indigenous villages to new towns have failed to adapt and expand for a new generation.

In June 2019, as part of the World Urban Campaign, CUHK hosted an Urban Thinkers Campus, bringing together a diverse group of local stakeholders to discuss the future of the New Territories. There was consensus across the community that the new islands alone would not sufficiently address Hong Kong's spatial needs. The forum identified opportunities to unlock complex planning and ownership arrangements enabling a variety of strategically located sites at scales suited to the production of inclusive and participatory urban space.

The studio will begin with a strategic research phase, then develop a series of visionary scenarios and pilot schemes to reframe the New Territories. These collaborative frameworks will form the basis of group and individual studio projects. Reflecting on the new town model, students will be challenged to envision a more human centric approach based on a wider understanding of infrastructure, enabling a more equitable city that promotes social mobility. Such proposals will implicitly address related issues ranging from blue and green infrastructure, inclusive public space and liveability, to participatory infrastructure design and urban regeneration.

The studio will employ processes of urban analysis and scenario building that are informed by placemaking values and community participation. Students will be empowered to reconsider innovative and ecologically reasonable strategies and create a comprehensive set of urban scenarios for the New Territories, that offer genuine alternatives for public consideration.

OBJECTIVES OF THE DESIGN STUDIO

- To create a contextual and vibrant urban design, with focus on increasing living quality, social interaction and economic vitality;
- To create a Conceptual Plan and study schemes indicating land use with program layout;
- To identify and understand how existing urban areas have emerged and are currently transforming;
- To develop strategies to improve and enhance the neighbourhood's economic vitality and sustainability;
- To explore new opportunities for integrated infrastructure planning to guide the development of more cost-effective and resilient green infrastructure investments over time;
- To create a comprehensive urban design strategy to integrate the new development into the existing context.

STUDENT LEARNING OUTCOME

Upon completing the studio, students will be able to:

- Understand how to organize a sustainable development strategy that will integrate economic, social and environmental perspectives;
- Understand, map and interpret the urban morphology of an important part of Hong Kong.

- Understand the complex relationships between enhancing urban mobility and environmental, economic and social sustainability;
- Learn from key examples of Urban Design;
- Create a comprehensive urban design strategy by learning to work in different scales in the fields of architecture, urban design and city planning;
- Understand and address contemporary urban issues with focus on development of advanced urban design, presentation and communication skills while addressing key issues and developing context sensitive strategies and designs;
- Determine priorities and strategies to create an urban ecosystem.

ASSESSMENT SCHEME

- Group Research 20%
- Overall Group Strategy 20%
- Individual Design Work 50%
- Participation 10%

COURSE FORMAT

- Studio Work
- Field trips to the New Territories
- Exhibition and public engagement in Hong Kong (Venue TBC)
- Exhibition and public engagement in Venice (TBC)

FIELD TRIP

- Weekend trip to NT
- Weekday trip to Guangzhou / Shenzhen for joint review (TBC)

REQUIRED READINGS

Alex Lehnerer, *Grand Urban rules* (Rotterdam: O10 Publishers, 2009)
 Jan Gehl, *Life Between Buildings: using public space* (Van Nostrand Reinhold New York, 1987)
 Jan Gehl, *Cities for People* (Island Press, 2010)
 Shane, David Grahame, *Urban Design Since 1945: A Global Perspective* (Wiley, 2011)
 Shelton, Barrie, Karakiewicz, Justyna & Kvan, Thomas, *The Making of Hong Kong: From Vertical to Volumetric* (Taylor & Francis, 2010)

RECOMMENDED READINGS

Urban visions and experimental massing
 WORKac, *49 CITIES* (New York: Storefront for Art and Architecture, 2009)
 Stan Allen and Marc Macquade, *Landform Building* (Lars Muller Publisher, 2011)
 R. Klanten and L. Feireiss, *Utopia Forever: Vision of Architecture and Urbanism* (Gestalten, 2011)
 Winy Maas, *Visionary Cities* (Rotterdam: NAI Publishers, 2010)

Winy Maas, *Hong Kong Fantasies* (Rotterdam: NAI Publishers, 2012)
 Aurora Fernández and Javier Arpa, *Density Projects* (Vitoria-Gasteiz: a+t ediciones, 2008)

Site and situation

Frédéric Edelmann, *In the Chinese City*. Perspectives on the Transformation of an Empire (Barcelona: Actar 2008)

Johannes Widodo, *The Boat and the City*: Chinese Diaspora and the Architecture of Southeast Asian Coastal Cities (Singapore: Marshall Cavendish Academic, 2004)

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City and citizens

Anne Mikoleit and Moritz Purckhauer, *Urban code: 100 Lessons for Understanding the City* (Cambridge, MIT Press 2011)

Kevin Lynch, *The Image of the City* (Cambridge, MIT Press, 1960)

Gordon Cullen, *The Concise Townscape* (Oxford: Architectural Press, 1996)

Magda Anglès, *In Favor of Public Space*. Ten years of the European Prize for Urban Public Space (Barcelona: Actar, 2010)

Aurora Fernández Per and Javier Arpa, *The Public Chance: New urban landscapes* (Vitoria-Gasteiz: a+t ediciones, 2008)

Sustainability

Albert Ferré, *Total Housing*: Alternatives to Urban Sprawl (Barcelona: Actar, 2010)

Mohsen Mostafavi and Gareth Doherty, *Ecological Urbanism* (Baden: Lars Muller Publishers, 2010)

Mason White, Maya Przybylski, *On Farming: Bracket 1* (Barcelona: Actar, 2010)

Bolchover, J., & Hasdell, P. (2017). *Border ecologies : Hong Kong's mainland frontier*.

SCHEDULE

Date	Studio Activities
Mon Jan. 6	Studio Introduction NT Collaborative Framework Study Kick-off
Thu Jan. 9	Group Discussions
Mon Jan. 13	Site Introduction
Thu Jan. 16	Group Discussions
Sat Jan. 18	<i>Group Site Visits</i>
Mon Jan. 20	Group Discussions
Thu Jan. 23	Research Pinup
Mon Jan. 27	<i>Holiday - Spring Festival</i>
Thu Jan. 30	<i>Holiday - Spring Festival</i>
Mon Feb. 3	Group Discussions
Thu Feb. 6	Group Discussions
Mon Feb. 10	Framework Research Review
Thu Feb. 13	Typology presentation
Mon Feb. 17	Research Pinup Review
Thu Feb. 20	Group Discussions
Mon Feb. 24	NT Collaborative Framework design charette
Thu Feb. 27	NT Collaborative Framework presentation

	and Site Selection
Mon Mar. 2	Urban Transport Networks workshop I with Daniel Pätzold (urbd 5732)
Thu Mar. 5	Design critiques
Mon Mar. 9	Design critiques
Thu Mar. 12	Design critiques
Mon Mar. 16	Mid Term Design-review
Thu Mar. 19	Design critiques
Mon Mar. 23	Urban Transport Networks workshop II with Daniel Pätzold (urbd 5732)
Thu Mar. 26	Design critiques
Mon Mar. 30	Pinup Review
Thu Apr. 2	Design critiques
Mon Apr. 6	Design critiques
Thu Apr. 9	Pinup Review
Mon Apr. 13	<i>Holiday – Easter</i>
Thu Apr. 16	Pre-final review
Mon Apr. 20	Design critiques
Thu Apr. 23	Design critiques
Mon Apr. 27	Design critiques
Friday May 8	Final review
May 10	Hand-in Studio Documentation

FIELD TRIP

Local, Hong Kong New Territories

Possible group visit to a University in Shenzhen or Guangzhou for a joint academic review.

SAME COURSE OFFERED BEFORE

Yes