

REVIEWING HONG KONG NEW TOWN DESIGN: HUNG SHUI KIU

2012-13 Term 2

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Description

While the urban design studio for the urban transformation of Sai Ying Pun deals with the regeneration of an historical site on Hong Kong Island, the Hung Shui Kiu urban design studio deals with new development on a large site within the North West New Territories that has been selected as a New Development Area.

The objective of the Hung Shui Kiu studio project will be to produce, in parallel with the work currently being developed for the proposed new town by various public and private bodies, a set of radical proposals for the future, and to evaluate these projects not only in terms of their potential sustainability but also in terms of broader intentions that could make of Hung Shui Kiu an “ideal city” on a par with Hong Kong: in terms of aesthetics, distinctive identity, sense of place, diversity and enjoyment.

The students will be asked to first make strategic urban design proposals addressing the whole site of the NDA and secondly to make detailed urban design proposals for different sectors within this overall strategy for the new town.

So far, Hong Kong’s new towns have been far too bland: Hung Shui Kiu must be not only sustainable but also memorable: it must aim to be an ideal city.

Objectives

The overall objective of this studio is to come up with a wide range of urban design proposals for the new town, demonstrating both a realistic understanding of feasible development alternatives as well as a creative approach to radical and experimental urban design.

The pedagogical process will be as follows:

1 Background research on ideal cities and new towns.

The students will be introduced to the world history of new towns, including recent and contemporary projects. The aim of this research is to give them a firm understanding of key precedents.

1.1 The Ideal city

Historically, from the Renaissance onwards.

Now. The importance of new objectives and sustainability.

1.2 New town projects

New towns, world-wide

New towns in China

New towns in Hong Kong

1.3 Urban form typologies

Historical and contemporary urban typologies

Urban form and changing architectural typologies in Hong Kong

Site analysis

In parallel with the background research outlined above, the students will be expected to undertake a detailed analysis of the Hung Shui Kiu NDA, under six key aspects:

1.4 Geography. Topography, hydrology, climate.

1.5 History

1.6 Culture

1.7 Infrastructure. Road and rail networks. Waterways. Energy, water and waste.

1.8 Built form of existing villages and settlements

1.9 Landscape and open space.

2 Urban design objectives and development programme.

Based on the background research and on the site analysis, each student will be asked to define his (her) design objectives for the new town project as well as a development programme in terms of population targets, land use and infrastructure.

2.1 Objectives

2.2 Development brief

2.2.1. Urban Design Studio projects

The students will be requested to work at two interrelated scales: strategic (initially) and detailed (subsequently).

2.3 Strategic design.

2.3.1: Stage 1: Conceptual strategic design.

2.3.1: Stage 2: Preliminary strategic design

2.3.2: Stage 3: Final strategic design.

2.4 Detailed design:

2.4.1: Stage 1: Conceptual detailed design.

2.4.2: Stage 2: Preliminary detailed design.

2.4.3: Stage 2: Final detailed design.

3 Deliverables

3.1 Item 1. Background research.

- *Written essay on precedents of ideal cities and new towns (Individual work. 2000 words). Topics to be chosen in consultation with the instructor.*

3.2 Item 2. Site analysis.

- *Written summary of site analysis (Group work. 2000 words)*

3.3 Item 3. Objectives and programme.

- *Item 3.1: Objectives*
 - *Written description of addressed issues and design intentions (500 words)*
- *Item 3.2: Programme*
 - *Written description of proposed development programme (500 words)*

3.4 Item 4. Studio projects

- *Item 4.1. Strategic design*
 - *Overall site model at a scale of 1:1000 (group work)*
 - *Model and drawings of strategic proposal at a scale of 1:1000 (individual work)*
 - *Phasing plans at 3 stages of development, at a scale of 1:2000*
- *Item 4.2. Detailed design*
 - *Design drawings and models at a scale of 1:500 / 1:200*
 - *Detailed studies, montages and perspectives showing the intended qualities of built form and public spaces.*
 - *Statements of addressed issues and design intentions should be formulated in text and drawings and uploaded on the course website. With progression of the design project they should be revised and updated.*
 - *Research findings and projects will be gathered in a joint studio booklet. All students have to submit a digital documentation.*
 - *Montages and perspectives study of public spaces and city image*

3.5 Item 5. Overall

- *Urban Design Report:*
Final individual submission describing the final urban design studio projects (both strategic and detailed) within a broader theoretical perspective (5000 words).
- *Urban Design Portfolio:*
Portfolio compiling all the graphic work done within the Studio, from the early research work to the final design projects.
- *Catalogue:*
Publication documenting in a summary form all the urban design projects developed during the studio by all the students (group work)
- *Exhibition:*
Public presentation of the work accomplished by the Studio (group work).
- *Digital documentation*
Digital documentation of group and individual work is compulsory after the final review.

Learning Outcomes

- Fundamental knowledge of the history and theory of urban design
- Knowledge of current research methods in urban design.
- Ability to formulate individual research topics and approaches
- Ability to develop individual urban design approaches in the context of contemporary urban theory.
- Advancement of design skills
- Advancement of teamwork abilities
- Advancement of presentation skills (verbal presentations, drawing, computer modeling, physical model making, multimedia presentations, website design, publication)

Assessment scheme

- Research: 40%
- Individual Design Project: 60%

(A student must pass both components to pass the course)

Course Format

This studio is offered jointly by the Master of Architecture and MSc in Urban Design Program to give students the opportunity for a more interdisciplinary and integrated learning experience.

Part of the studio is a joint workshop with the partner universities of the IFOU network (ifou.org) at CUHK.

Required readings:

Alexander, Christopher	1965	<i>A City is not a Tree</i>	Architectural Forum, 122
Alexander, Christopher	1964	<i>Notes on the Synthesis of Form</i>	Cambridge Mass: Harvard University Press
Bacon, Edmund	1982	<i>Design of Cities</i>	London: Penguin
Banham, Barker, Hall, Price	1969	<i>Non-Plan: An Experiment in Freedom</i>	London: New Society, 26, 435-43
Busquets, Joan,	2005.	<i>Barcelona: The Urban Evolution of a Compact City,</i>	Rovereto: Nicolodi,
Hall, Peter	1988	<i>Cities of Tomorrow. An intellectual History of Urban Planning and Design in the 20th Century</i>	Oxford: Blackwell
Koolhaas, Rem,	1994.	<i>Delirious New York: a retroactive manifesto for Manhattan,</i>	New York: Monacelli Press,
Lynch, Kevin	1960	<i>The Image of the City</i>	Cambridge, Mass: MIT Press
Mitchell, William		<i>City of Bits</i>	Cambridge, Mass: MIT Press
Rogers, Richard & Gumuchdjian, Philip	1997	<i>Cities for a Small Planet</i>	London: Faber and Faber
Rowe, Colin & Koetter, Fred	1980	<i>Collage City</i>	Cambridge Mass: MIT Press
Rowe, Peter G.,	2011.	<i>"Emergent Architectural Territories in East Asian Cities",</i>	Basel. Birkhauser
Shane, David Grahame	2005	<i>Recombinant Urbanism: Conceptual Modelling in Architecture, Urban Design and City Theory</i>	London: Wiley Academy
Shane, Grahame, David	2011	<i>"Urban Design Since 1945 – A Global Perspective",</i>	Wiley
Shelton, Barrie, Karakiewicz, Justyna & Kvan, Thomas,	2010.	<i>"The Making of Hong Kong – From Vertical to Volumetric",</i>	Taylor & Francis,

Recommended readings

More comprehensive reading list will be distributed in the first day of class.

Schedule

TBC

FIELD TRIP

(please check the boxes)

Yes Local; Overseas Date(s):

Destination(s):

No

SAME COURSE OFFERED BEFORE (please check the boxes)

MArch yes / MSc in Urban Design No

IMPORTANT NOTE TO STUDENTS:

Attention is drawn to University policy and regulations on honesty in academic work, and to the disciplinary guidelines and procedures applicable to breaches of such policy and regulations. Details may be found at <http://www.cuhk.edu.hk/policy/academichonesty/>. With each assignment, students will be required to submit a statement that they are aware of these policies, regulations, guidelines and procedures.