SCHOOL OF ARCHITECTURE · CUHK · 2018 - 2019


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中大

Message from the Director

Ambidextrous [am-bi-**dek**-str*uh* s] *adjective*
Able to use both hands equally well (Cambridge English Dictionary)

Every six years, our School of Architecture, like all the academic departments and schools at CUHK, is subject to an intensive academic audit by a Visiting Committee. Last spring, it was our turn again. Despite the considerable time and energy expended in preparation and presentations, it was a valuable exercise for us as a school – faculty, staff, students, alumni – to reflect deeply on what we are doing and why we are doing it.

When asked by the Visiting Committee the most important quality aspired for our students, it was challenging to come up with a satisfactory short answer. Design excellence? Critical thinking? Technical competence? Digital literacy? Social commitment? All of the above?

Ultimately, my response is for our architecture students to be *ambidextrous*. Not literally in the sense of being able to use both left and right hands equally well – though, think of the time saved to draw up your final presentations if you were! But, rather, being ambidextrous in engaging both left and right brain attributes – left brain being the centre for verbal, logical, analytical, numerical, rational, thinking; right brain for visual, intuitive, creative, spatial, perceptive, feeling.

There may be no other discipline and profession than architecture that demands both left and right brain capabilities in comparable measure. But, who since Leonardo da Vinci can claim to be equally brilliant in both? This may explain, in part, why architecture is so challenging and demanding to learn, to teach, to practice and (most likely never) to master.

Thus, as students, teachers and practitioners of architecture, we must strive to be ambidextrous; not to be satisfied with design as simply form-making, or singly parametric, or solely sustainable at the exclusion of other requirements. But, being well versed in both the creative/innovative and the pragmatic/technical demands of architecture and building.

It has been said that "design is where art and science break even." Architecture succeeds where our left and right brains intersect; where research informs design; where critical thinking leads to creative insight; and where design excellence, social commitment and environmental stewardship are mutually achieved in architectural designs that will last.

Nelson Chen FHKIA FAIA RIBA
Professor of Practice in Architecture
Director, School of Architecture

Contents

Programme Overview

Professional Programmes

BSSc (AS)
Architectural Studies

The Bachelor of Social Science (Architectural Studies) – BSSc (AS) – is the first part of a two-degree sequence in professional architectural education. This sequence is designed to provide a basis for education in general and preparation for professional work as an architect in particular. Students are encouraged to enrich their core of studies in architecture by exploring lateral relationships with other subjects and disciplines as well as through independent study and experience of other cultures. The core of studies consists of design studios in addition to courses offered in humanities, technology and profession.

MArch
Architecture

The Master of Architecture programme – MArch – is the second part of a two-degree sequence in professional architectural education. It is a taught postgraduate programme for students who intend to become architects upon their graduation. The programme offers a series of research-based advanced studios and independent design explorations which both articulate an intellectual position and demonstrate the impact of that position in design. Applicants should have a pre-professional architecture degree (equivalent to HKIA or CAA accreditation), such as the BSSc (AS) from CUHK, and relevant work experience.

Joint Programme

BSSc (US)
Urban Studies

The Bachelor of Social Science (Urban Studies) – BSSc (US) – is designed for students to explore the complexities and challenges of the rapidly evolving urban world, global urbanization processes and various strands of urbanism. It is jointly organized by the Department of Geography and Resource Management and the School of Architecture, with input from various departments in the Faculties of Social Science and Arts. Besides the learning of theories of urban development, the rigorous application of skills and techniques for urban analysis, and the contextual understanding of sustainable practices, students are required to develop expertise in concentration areas such as urban planning and design, urban environment, urban policy and governance.

Postgraduate Programmes

MSc
Urban Design

Over the past decades, Hong Kong and the Pearl River Delta have been a laboratory for urbanism. Rapid urban growth, mass migration and new policies have led to new urban forms, but environmental deterioration and social imbalance have also increased. Urban design can play an important role to create more liveable and sustainable cities if it is able to integrate knowledge about ecological, economic, and social issues and is based on a clear set of values. The MSc programme in Urban Design is based on a fundamental understanding of environmental and urban economics as well as urban history. Combining design studios and focused course modules, it aims to integrate specific knowledge about urban processes, complex ecosystems and transport networks. The modules act as catalysts for the studio projects, and are organized as think tanks in which students discuss with experts from academia and practice. After an additional period of professional experience, graduates can apply for professional registration from the Hong Kong Institute of Urban Design (HKIUD).

MPhil and PhD

The MPhil and PhD are research postgraduate degrees. Students learn primarily by conducting independent original research, usually through participating in the work of the School's design studios or design research units in Chinese architectural heritage, community participation, computation and simulation, sustainable and environmental design, housing, etc. In some cases, students may also pursue their own topics if feasibility of the topic can be demonstrated upon application.

Curriculum

	Studio	Humanities	Technology	Design Computation	Professional Practice	Electives and Year 1 Faculty Package
BSSc(AS) 1	*arch 1001* Introduction to Architecture					Students elect two non-architecture courses from the Social Science Faculty Package (except advanced standing students who elect one).
BSSc(AS) 2	*arch 2111 / arch 2112* Introduction to Architectural Design I & II [U1 / U2]	*arch 2320* Architecture Fundamentals *arch 2321* Architectural History and Theory I (Asian Architecture)	*arch 2422* Building Technology I (Materials and Construction)	*arch 2221* Graphics and Visual Studies		
BSSc(AS) 3	*arch 3113 / arch 3114* Architectural Design Studios I & II [U3 / U4]	*arch 3322* Architectural History and Theory II (Western Architecture)	*arch 3423* Building Technology II (Building Structure) *arch 3424* Building Technology III (Environmental Technology)	*arch 3222* Digital Design Methods		
BSSc(AS) 4	*arch 4115 / arch 4116* Architectural Design Studios III & IV [U5 / U6]	*arch 4323* Architectural History and Theory III (Modern Architecture) *arch 4721* Land and City	*arch 4425* Building Systems Integration			*arch 4531* Topical Studies in Professional Practice and Management
total units 78	33	15	12	6		12
Year Out						
MArch 1	*arch 5111 / arch 5112* Advanced Architectural Design Studios I & II	*arch 5321* Architectural Theory and Criticism *arch 5721* Urban Design and Planning	*arch 5421* Advanced Environmental Systems *arch 5422* Advanced Structures and Construction			*arch 5131* Topical Studies in Design Theory *arch 5231* Topical Studies in Computational Design *arch 5331* Topical Studies in History, Theory and Criticism *arch 5431* Topical Studies in Building Technology *arch 5531* Topical Studies in Professional Practice and Management *arch 5731* Topical Studies in Urbanism
MArch 2	*arch 6113 / arch 6114* Thesis Project I & II				*arch 6521* Professional Practice and Management	
total units 52	28	6	6		3	9

Calendar

2018-19 Term 1

week	event	date
1	First teaching day / All school meeting	03.09 M
2		10.09 M
3		17.09 M
4		24.09 M
	Day following Mid Autumn Festival	25.10 T
5	National Day	01.10 M
6		07.10 M
7		15.10 M
	Chung Yeung Festival	17.10 W
8		22.10 M
9		29.10 M
10		05.11 M
11	Course evaluation week	12.11 M
12		19.11 M
13		26.11 M
	Final review week (BSSc)	28.11 W
14		03.12 M
	Final review week (MArch / MSc)	05.12 W
	Examination period begins	
15	Portfolio submission	10.12 M

2018-19 Term 2

week	event	date
1	First teaching day	07.01 M
2		14.01 M
3		21.01 M
4		29.01 M
5	Lunar New Year holiday begins	04.02 M
	Lunar New Year holiday ends	09.02 Sa
6		11.02 M
7		18.02 M
8		25.02 M
9		04.03 M
10		11.03 M
11		18.03 M
12	Course evaluation week	25.03 M
13	Reading week begins	01.04 M
	Ching Ming Festival	05.04 F
	Reading week ends	06.04 Sa
14		08.04 M
15		15.04 M
	Final review week (BSSc)	16.04 T
	Easter holiday begins	19.04 F
16	Easter holiday ends	22.04 M
	Final review week (MArch / MSc)	24.04 W
	Examination period begins	25.04 Th
17		29.04 M
	Labour Day	01.05 W
	Portfolio submission	03.05 F

BSSc (AS)

Programme Director
Thomas Chung

The Bachelor of Social Science (Architectural Studies) programme is designed to provide a basis for education in general and preparation for professional work as an architect in particular. The core of studies consists of design studios in addition to courses offered in humanities, technology, professional practice and design computation.

Design studios are structured in a sequential manner through the six semesters of the programme. The intention is to allow better integration of studio courses and required courses, and to enable students to start from fundamental concepts and advance progressively to more complex issues in architectural design.

The foundation studio in the first semester introduces students to the field of architectural design through studio learning. In the subsequent four studios, students learn design skill by either focusing on specific aspects of architecture or by addressing various factors that influence architectural form. Arranged in a sequence, these factors include architectural space conception, human behaviour, environmental technology and sustainable design, and urban setting. Students are also required to demonstrate a basic understanding of construction system, structure and material character through their design. In the sixth and final semester, a culminating studio serves to integrate previous knowledge and themes into a comprehensive architectural design project.

Elective courses are offered to investigate a particular field of architecture. Areas represented in these topical study courses include design theory, architectural history and theory, cities, building technology and computational design. Each elective course is created to provide students with an opportunity to gain in-depth knowledge of a specific topic or a set of issues related to the theory and practice of architecture.

Studio sequence

semester	*learning* | *teaching*	*topic*
U1 [*arch 2111*, T1]	**issue** | tool	*Foundation*
	design as visual and conceptual process; habitable environments; space as form; abstraction and transformation; form and making; design concept, *parti* and formal composition	
U2 [*arch 2112*, T2]	**process** | method	*Tectonics, Space, Design*
	design process; sequential steps; tectonic concept; enveloped, continuous and modular space; spatial composition and tectonic form; graphic representation; digital and physical modeling	
U3 [*arch 3113*, T1]	**use** | programme	*Programme and Use*
	use of space both functional and symbolic; space planning; human scale and dimension; habitable space; structure (form and organization) on building design	
U4 [*arch 3114*, T2]	**force** | performance	*Structure & Passive Environmental Design*
	impact of natural forces; tools for measuring design performance; sustainability in architecture; building technology (structure and materials); sustainable and energy efficient design	
U5 [*arch 4115*, T1]	**place** | context	*Place Making and Contextual Response*
	influences on urban form generation and articulation; interface between architecture and city; contextual design of places; evolution of architecture in cities; making of sustainable cities	
U6 [*arch 4116*, T2]	**project** | articulation	*Comprehensive Building Design*
	comprehensive project with program and site; conceptual integration of building systems: structure, enclosure and interior space; high resolution and articulation	

Studio U1

DESIGN STUDIO

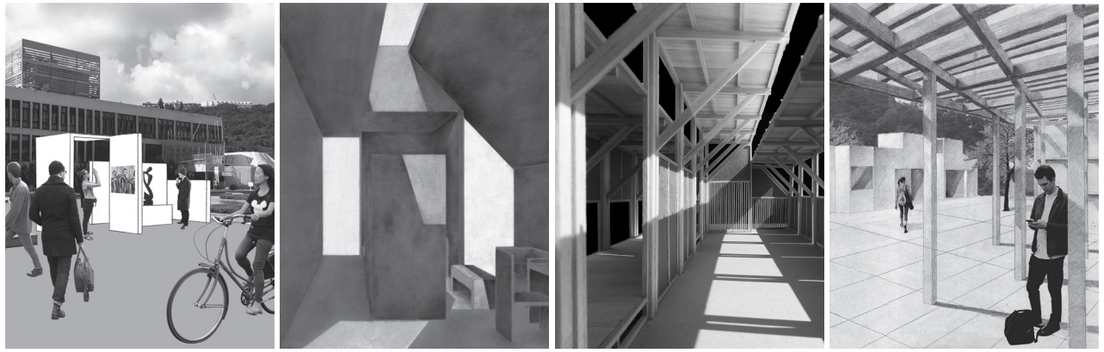
issue | tool

Foundation arch 2111

Gu Daqing / Billy Chan / Han Man / Paul Tse / Caroline Wüthrich

Studios U1 and U2 are conceived as one integrated programme for basic training in architectural design. Its aim is to engage students with the exploration of architectural space. It is intended to cultivate a method of study through which the concept of space is conceived through working with different types of media, crystallized with the consideration of habitation and further materialized through the means of building material and construction. Drawing and model-making skills are taught integrated with exercises. The studios are interested in the following basic issues: the formation of space and its definition, the internal organization of the building, its parts and their relationship and hierarchy, the form and structure of the building, the material organization in terms of elements, components and systems.

The intent of the first part of the basic training is to introduce students to four key aspects of architecture: space, use, construction, and site. These issues are dealt through design projects. There are four small projects, each of which emphasizes one particular topic and consists of several interrelated exercises. At the end, these design projects will be integrated to form a site complex. Model making and hand drawing skills will be taught as an integral part of the design projects.



from left to right: tang hiu ching coco; wong ka hei kimberley; lai wing ki; yiu pui shan janice.

REQUIRED COURSES

Introduction to Architecture

arch 1001 Bruce Lonnman t1/t2

This course is an introduction to architecture design focusing on the fundamentals of process, analysis, concept and representation. A principle theme is the understanding of space as a medium in architecture possessing form. The course consists of a series of abstract design-model exercises exploring the parameters and visual form of architectural space while emphasizing the basic elements and principles of architectural composition.

Graphics and Visual Studies

arch 2221 Gu Daqing t1

This course is an investigation of visual form through a process of seeing, thinking and drawing. It intends to develop a deeper visual perception by enriching student's visual experience, to introduce them to various visual phenomena, to encourage them to explore their own living environment, all of which will contribute to building the visual fundamentals of design.

Architecture Fundamentals

arch 2320 Gu Daqing t1

The intent of the course is to introduce architecture and its scope and structure as a formal subject. The course is designed as an integral part of the design studio (arch 2111) in a way that main topics are introduced in the same sequence with the studio projects. The course is about how to look at architecture and how to gain knowledge about architecture through observation, analysis, and discovery. The course covers four main topics as space, habitation, construction and urbanization.

ACTIVITY

Digital Learning

Modules provided by the Institute of Digital Design (IDDA) are availble for self-instruction. This is an online e-learning platform for digital design tools. Modules for term1 include: *Adobe CC (Photoshop + InDesign)*.

Technical Support

introduction to model workshop

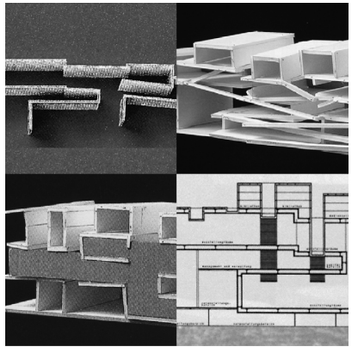
Studio U2

DESIGN STUDIO

process | method

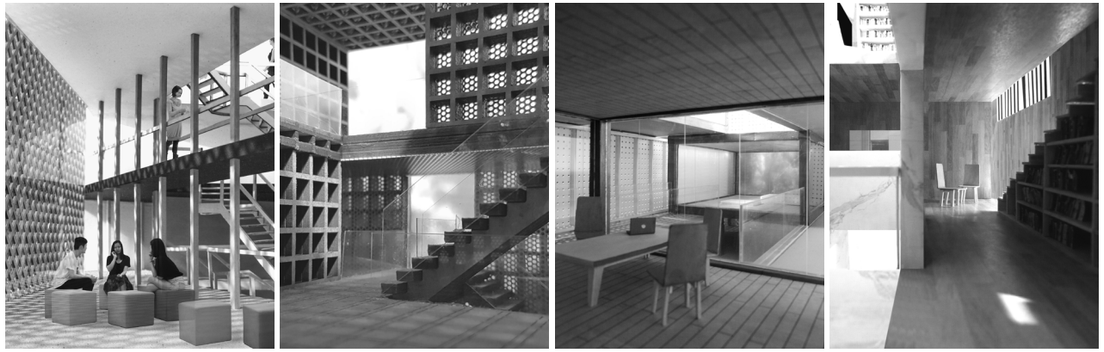
Tectonics, Space, Design arch 2112

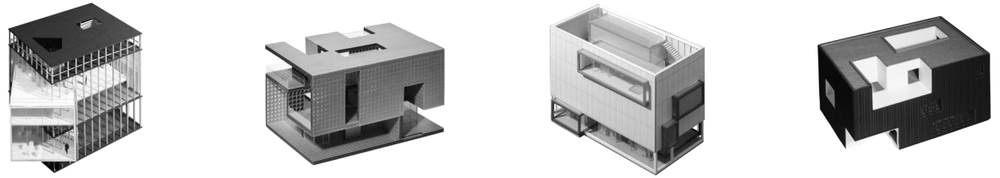
Gu Daqing / Han Man/ Sarah Mui / Caroline Wüthrich / tbc



Studios U1 and U2 are conceived as one integrated programme for basic training in architectural design. Its aim is to engage students with the exploration of architectural space. It is intended to cultivate a method of study through which the concept of space is conceived through working with different types of media, crystallized with the consideration of habitation and further materialized through the means of building material and construction. Drawing and model-making skills are taught integrated with exercises. The studios are interested in the following basic issues: the formation of space and its definition, the internal organization of the building, its parts and their relationship and hierarchy, the form and structure of the building, the material organization in terms of elements, components and systems.

The intent of the second part of the basic training is to further consolidate students' design skills developed in the first term through one design project. This project will be dealt in four phases: conception, organization, articulation, and realization. Each phase consists of several interrelated exercises. Beside model making and hand drawing skills, the studio will also introduce basic skills in CAD.





from left to right: robin albrecht; robert alfred tang; yeung lok him thomas; jiao keqing.

REQUIRED COURSES

Architectural History and Theory I: Asian Architecture

arch 2321 Stanislaus Fung t2

This course is an introduction to the study of Asian architecture with a primary focus on China and Japan, in both traditional and contemporary times. It is primarily concerned with four themes: (1) basic concepts of architecture and landscape, (2) close readings of individual buildings, (3) professionalism and the institutionalization of architecture, and (4) modernization in architecture since the 19th century.

Building Technology I (Materials and Construction)

arch 2422 Zhu Jingxiang t2

The course is designed for studies in materials and construction with an approach based on operation and observation exercises. The process of integrating knowledge framework, observation skill and exploration ability related to architectural and construction practice is emphasized. Students will learn to appreciate the essential knowledge of basic building materials, the ethics of using materials and the importance of tectonic and technical issues.

SSF PACKAGE

Understanding Cities

arch 1002 Alfred Yeung t2

This course introduces fundamental ways of understanding cities. Greater than 50% of the world's population is now urbanized and this percentage continues to grow. Consuming 75% of world energy production while generating 75% of its waste and pollution, cities have become increasingly dysfunctional. The key questions we will address are: Why has city life, with all its advantages and disadvantages, become the dominant form of living? Will it continue to be the case for our children and future generations?

GENERAL EDUCATION

Experiencing Architecture

arch 1320 Sarah Mui t2

Architecture is a prime visual element in shaping our urban fabric. This course provides an overview of architecture. The aim is to introduce architecture as a cultural phenomenon. The course will increase the student's awareness of the built-environment as it exists locally and in the global context. It examines architecture through a variety of spatial experiences encountered in exemplary places and buildings.

ACTIVITY

Digital Learning

Modules provided by the Institute of Digital Design (IDDA) are availble for self-instruction. This is an online e-learning platform for digital design tools. Modules for term2 include: *Auto CAD*, *Adobe CC (Illustrator)*.

Technical Support

introduction to laser cutter workshop

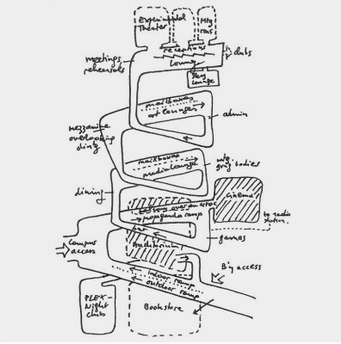
Studio U3

DESIGN STUDIO

use | programme

Programme and Use arch 3113

Kelly Chow / Brian Anderson / Florence Chan / Simon Hsu



"Form Follows Function" is perhaps the best-known maxim of use and its relationship to design. That programme, labeled "function," as an important consideration in the formulation of architecture is clear. However, human activity, with the specific details of that activity manifested in a formal language, is at the very heart of architecture – the routines of life and the spatial conditions that allow them to be accommodated, expressed and constituted. Each activity has specific conditions of movement, action, location, and occupation to which the form must respond; both to the pragmatics as well as the poetics of place making.

Use | Programme can be established as a spatial proposition through the design process. However, to enable the act of design, there must be a critical position arrived from a real exploration of the intention of use and the proposed programme. Programme is not a generic designation of use, but a specific concept within architecture's development. The routines of life have evolved over time and through different cultures; they have been transformed by developments in technology, economics and politics. The history of humanity is contained within each work of architecture.

This studio will ground architectural design in the investigation of use and programme. Students will engage in processes, which evolve from their own spatial experience, towards an understanding of the relationship between use and a cultural context. Initial design ideas will be developed through the study of precedents, programme research, testing of scenarios, and the synthesis of programmatic understanding into spatial organization.

REQUIRED COURSES

Digital Design Methods

arch 3222 Adam Fingrut t1

This course guides students through the rudiments of computational design, and builds up a vocabulary of operations necessary to powerfully control elements within a three dimensional environment. Tutorials and assignments will cover examples and build confidence in students ability to generate their own procedural logic and design proposals. Students will complete a series of exercises that build on previous theoretical and technical topics covered in class using digital and computational tools as a complementary aid toward iterative and rigorous design.

Building Technology II (Building Structure)

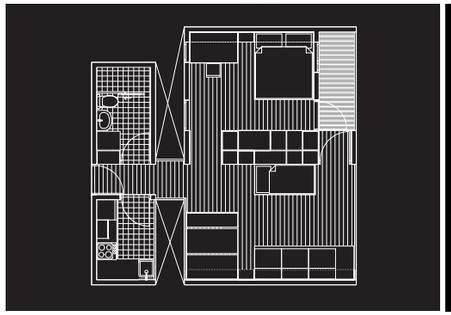
arch 3423 Bruce Lonnman t1

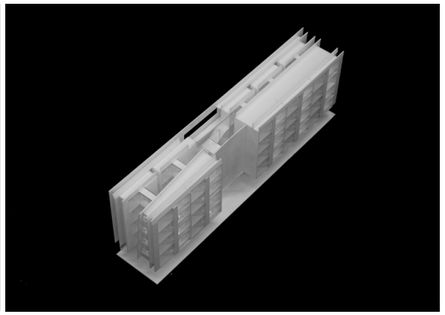
Emphasizing the role of structure in architecture, the course is organized according to four basic categories of structure described by Engel (1968). Each type is studied to understand physical performance characteristics based on the action of forces as well as the design parameters determined by economy, life safety and architectural context. Exercises employing physical models, graphic statics form-finding and standard member selection design charts provide exposure to the selection and configuration of a few basic structural systems.

ACTIVITY

Digital Learning

Modules provided by the Institute of Digital Design (IDDA) are availble for self-instruction. This is an online e-learning platform for digital design tools. Modules for term1 include: *Rhino + Grasshopper, Revit.*





he haoyu, howard

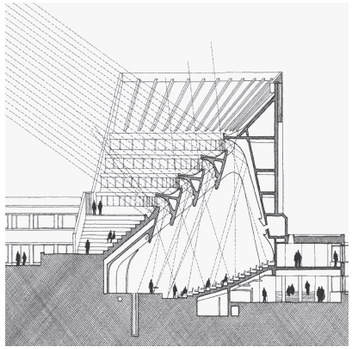
Studio U4

DESIGN STUDIO

force | performance

Structure & Passive Environmental Design arch 3114

Bruce Lonnman / Chris Bene / Francesca Madeo / Yutaka Yano



otaniemi technical university auditorium, alvar aalto, from sun, wind & light, by g.z.brown and mark dekay

Studio U4 addresses architectural issues with a particular focus: to examine the role of building technology in architectural design. More comprehensively, studio projects engage design in ways that relate to architectural theories, design technologies, critical innovations, and pragmatic processes. The design project provides a context for understanding the forces of nature and their impact on the design of buildings. The studio employs a systematic approach that begins with identifying real or perceived potentials latent in the physical environment, developing them as an architectural strategy, and lastly evaluating performance through either simulation or physical model testing.

Emphasis is placed on two important areas of building technology: climate responsive design and building structure and construction. Both areas offer design opportunities that can contribute to reduced energy consumption and a sustainable environment. Passive environmental design strategies are stressed and the use of sustainable building materials is incorporated. Projects are situated in contrasting climate zones (e.g., tropical/rainforest versus cold/continental) that offer different challenges in achieving the "well tempered environment".

Principal themes of the studio summarized are:

- Natural forces serve as primary generators of form and architectural intention.
- Building technologies can be an inspiration and basis for architectural strategy.
- Making describes a process involving materials and their fabrication, connection and assembly.
- Performance evaluation allows us to predict and measure outcomes by means of physical modeling, proto-type testing and computer simulation.

REQUIRED COURSES

Architectural History and Theory II: Western Architecture

arch 3322 Stanislaus Fung t2

This course is an introduction to the history and theory of Western architecture from Classical Greece to contemporary times. It is primarily concerned with four themes: (1) concepts of geometry and proportion, (2) concepts of architectural representation, (3) professionalism and the institutionalization of architecture, and (4) the relationship between architecture and engineering since the 19th century.

Building Technology III (Environmental Technology)

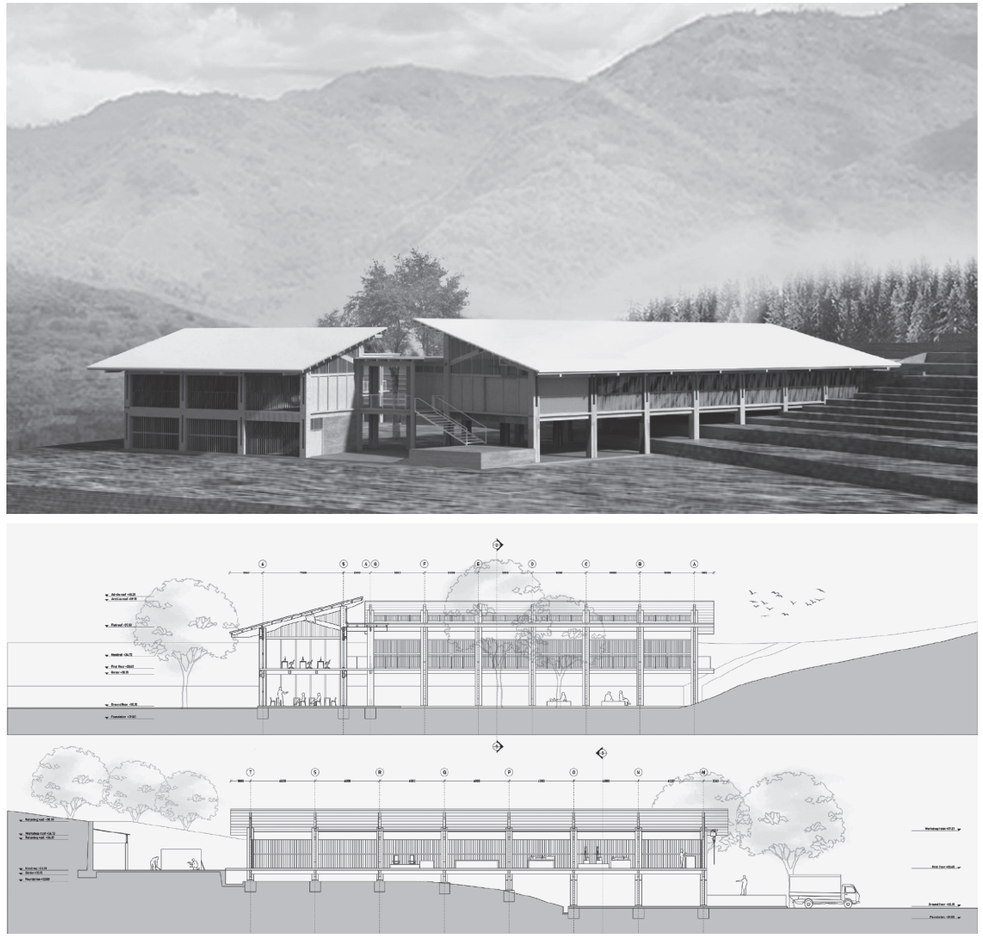
arch 3424 Edward Ng t2

Introduces the fundamental concepts of passive environmental design. Examines the effect on buildings and their occupants of environmental conditions of light, temperature, air movement, and sound. Case studies are used to reviews both traditional and current approaches of representative building types in more depth.

ACTIVITY

Digital Learning

Modules provided by the Institute of Digital Design (IDDA) are availble for self-instruction. This is an online e-learning platform for digital design tools. Modules for term2 include: *Revit (plug-ins for lighting and wind simulation)*.



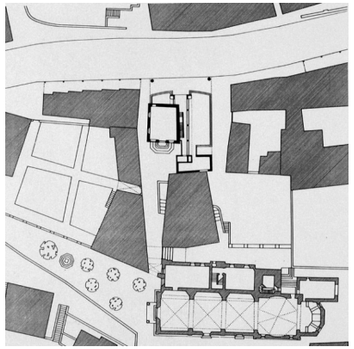
cheung yan ling, venus

Studio U5

DESIGN STUDIO

place | context

Place Making and Contextual Response arch 4115



Luigi Snozzi

Place Making *for All* and Contextual Response *at the Fringe*
The U5 studio operates on the premise that Architecture of the City can contribute to placemaking, including a well-conceived and designed collective housing. This is the first studio where students are challenged with imagining not only the figure of the architecture, but concentrating on the grounds of the city through which it is situated. As Hong Kong faces the pressure of unaffordable housing for the general public, those that resides at the verge of society face an even more depressed living condition. Working with the ideal that good architectural design should not only be relegated to the affluent but all members of the society, this studio aims to study, understand and propose problem-solutions (design ideas) for "supportive-housing" in Yau Ma Tei, a district within Kowloon with one of the highest concentrations of population in need of public-assisted housing with social amenities.

The semester is divided in stages with the aim to address the issue of place making through the design of social housing. There are four main interrelated activities. Act 1: Urban investigation and empirical study; Act 2: The Transformer; Act 3: Place making through supportive housing – Concept Design; Act 4: The fourth and longest part focuses on the design of a Place of Collective Living in dialogue with the existing urban fabric. The emphasis is on collective living as a potential to respond / transform the larger scale fabric in the city of Kowloon.

REQUIRED COURSE

Building Systems Integration
arch 4425 Kelly Chow t1

"The essence of building technology is getting the form right" establishes a position by which the course investigates how building systems are integrated in the design of built form and its performance. The course consolidates fundamental topics: materials+construction, building structures and environmental technology, with the objective to provide a holistic overview of the design and making of buildings. Investigations of how building design considers these principles will be done through building case studies and professional practice overviews.

Land and City
arch 4721 Essy Baniassad t1

The course examines the origins, form, and evolution of the CITY from an architectural point of view. It examines the nature, the dynamics and the physical manifestations of this process in built forms of increasing complexity from the seminal unit of a community on the land – the house – to the collective form – the city. The course comprises key lectures on the following topics supplemented by observation and case studies: origins, history and evolution of the city; city form and structure; city as cradle and nest of social structure and institutions; culture of the city; city design.

ACTIVITY

Digital Learning

Modules provided by the Institute of Digital Design (IDDA) are availble for self-instruction. This is an online e-learning platform for digital design tools. Modules for term1 include: *Rhino + Grasshopper.*

larissa leung

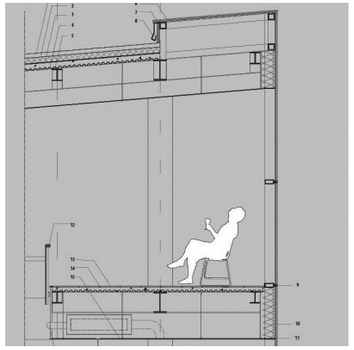
Studio U6

DESIGN STUDIO

project | articulation

Comprehensive Building Design arch 4116

Clover Lee / Brian Anderson / Simon Hsu / Sebastian Law



Architecture is fundamentally a part-to-whole problem, involving the complex integration of building components, systems and processes into a synthetic whole. The design of a building addresses all aspects of architecture – from site to program, from materiality to structure, from regulation to form. While architecture involves the complex integration of building components, systems and process into a synthetic whole, the Comprehensive Design Studio explores how to focus on foregrounding an aspect – in this case, building envelope design – WITHOUT side-lining other areas. In fact, this emphasis on building envelope design can facilitate the synthesis of the various issues. Structural systems, envelope design, and environmental controls will be systematically addressed in the development of a whole term design project.

The studio project is a multi-program building in the urban context, requiring careful consideration of access and exchanges (circulatory, visual and energy) between programs. Students work in consultation with engineers and experts. Preliminary design exercises include both team and individual study.

Three principal building systems are considered: structure, envelope and interior. It can be argued that the exterior wall section is the critical building element where the three systems tend to interact the most and require the most attention from the designer. A wall section can assume different characters. It can be a monolithic surface incorporating the functions of both structure and envelope or it can be layered with structure and skin separate and independent. The wall also acts as boundary, its profile defining the shape of interior space and articulating the exterior surfaces.

REQUIRED COURSE

Architectural History and Theory III: Modern Architecture

arch 4323 Thomas Chung t2

This course outlines the history and theory of modern architecture through significant works of the 20th century. Modern buildings are examined as artifacts of their time, providing a point of reference for understanding their broader contexts. There will be a focus on how individual works relate to important manifestoes, critical writings, parallel developments in the arts, as well as the more general cultural, intellectual and historical circumstances of the time.

ELECTIVE COURSES

Professional Practice and Management

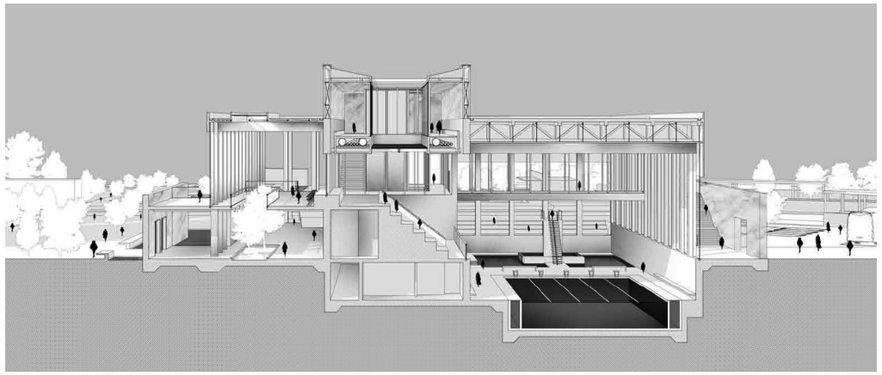
arch 4531 Bernard V. Lim t2

This course connects the arena of the architecture school with the domain of architectural practice. The student is given a working appreciation of the contractual, ethical, economic, legal, and socio-communal issues that relate to the profession. In particular this course introduces the concept of professionalism, emphasising the role of the architect working in relationship with others. Generally, the course prepares the student for a role in the architect's office during the practical experience year.

ACTIVITY

Digital Learning

Modules provided by the Institute of Digital Design (IDDA) are availble for self-instruction. This is an online e-learning platform for digital design tools. Modules for term2 include: *Rhino + Grasshopper.*



cheng wai tat, justin

MArch

Programme Director
Peter Ferretto

The Master of Architecture Programme at the School of Architecture offers a series of research based Advanced Design Studios and independent design explorations. These studios and explorations contribute, from different perspectives, towards certain areas of research agenda with a strong focus on emerging issues in Asian cities, which we believe contain elements of spatial intelligence situated in their respectivecultures and geographies. This focus is rooted in the understanding of a rich human experience in conceiving and designing cities in history, from antiquity to the 21st century. The programme is also concerned with various new aspects of urban realities such as density, urban memory, sustainability, mobility, capital influx, technology, politics and migration.

We are deeply committed to research-based urban interventions that emerge from the strengths of the long-standing and distinguished research activities of studio leaders to be organized in five Design Research Units (DRUs) comprising: Building Technology and Sustainable Design (BTSD); Design Methodology and Practice (DMP); Digital Technology and Computational Design (DTCD); History, Culture and Conservation Design (HCCD); and Urban Design and Landscape Urbanism (UDLU).

MArch 1

The programme consists of Advanced Design Studios focusing on issues that are closely connected to the research agendas of studio leaders. The studios aim both to articulate an intellectual position and to demonstrate the impact of that position in design, offering opportunities for research-based architectural exploration while maintaining professional standards appropriate at the master's degree level.

Design Studios
The MArch 1 Advanced Architectural Design Studios I and II will be offered among the five DRUs. These studios aim to achieve two principal objectives:

i) In-depth exploration of architectural issues closely connected to the design and research agendas of the respective DRUs. The studios will emphasize design, innovation, research and intellectual content.
ii) Professional competence, as demonstrated in the materials submitted by the student. This includes: programme of appropriate complexity; skills in space planning; awareness of regulatory requirements; detailed knowledge of construction and building technology; awareness of sustainability and economy.

Required Courses
arch 5321 Architectural Theory and Criticism
arch 5421 Advanced Environmental Systems
arch 5422 Advanced Structures and Construction
arch 5721 Urban Design and Planning
arch 6521 Professional Practice and Management

Electives
Students are encouraged to combine an elective on design issues closely related to their studios, thus, exploring those design issues within two different contexts. With the coupling of electives and studios, there is a greater space for different teaching methods which may require unique modes of research and teaching, such as field surveys and workshops. Electives courses are currently offered in the following topical studies: Design Theory (arch 5131), Computational Design (arch 5231), History, Theory and Criticism (arch 5331), Building Technology (arch 5431), Professional Practice (arch 5531) and Urbanism (arch 5731). In addition, students may take elective courses offered in the MSc in Urban Design programme.

MArch 2 Thesis Project

Thesis Project is an intensive one-year research and design inquiry to be taken by the Master of Architecture candidate as the second part of the two-year MArch programme. Each student develops an independent thesis project exploring issues relating to one of the five DRUs. The issues addressed in the thesis should fall within the stated research interests of the advising faculty member. The final outcome of the thesis should demonstrate the student's ability to explore an architectural issue independently and in-depth. The resulting design project should be a work that innovatively addresses the findings of the research and synthesizes the knowledge gained into a design of architectural implication and form. The design itself should be comprehensive in scope and detailed in execution.

MArch I building technology and sustainable design

DESIGN STUDIO

G1 Zhu Jingxiang *t1*
Lightweight Matters

With his innovation on building system and material use, Japanese architect Shigeru Ban offered high-quality, affordable lightweight buildings across the world. The Pritzker's choice of Ban in 2014 repositioned what is important in architecture. Lightweight Construction gains attention not only when disasters occur, but also at a time when sustainable use of resources becomes more important. The primary goal of lightweight construction is to reduce weight, and thus, resource consumption, and cost. This reduction can be achieved through material selection (material-based), or system design (system-based). Beyond that, even if the term lightweight does not directly imply, various questions regarding tectonics, prefabrication, and flexibility can be raised. This studio will explore the multi-layered character of this subject matter through case studies, field trips and intensive design exercises. Students are expected to propose comprehensive housing proposals that are both feasible and affordable, for a place they are familiar with in Hong Kong or Shenzhen.

G2 David Dernie *t2*
Urban Waste: Plastic Park

Any serious attempt to address architectural design and its role in the future of urban life depends on an understanding of the balance between natural and built environments. But now the natural environments on which the city intrinsically depends are at breaking point, with irreversible changes to the eco systems becoming ever more inevitable. This studio will explore this relationship through the lens of urban waste, specifically plastic waste, a major global challenge: Hong Kong throws away 5.2m plastic bottles every day. Plastic Park will be situated in the vicinity of the recently completed TPark (http://www.tpark.hk) on the Northwestern edge of the WENT landfill site in Tuen Mun. The studio will propose a new 'Plastic Park' that celebrates Hong Kong's new approach to recycling, and the potential of the circular economy for the sustainable future of the region.

from left to right: g1 resort apsaras siargao, philippines; g2 waves of waste, dominican replublic, july 22nd 2018.

REQUIRED COURSES

Advanced Structures and Construction
arch 5422 Bruce Lonnman t1

This course studies structure, materials and methods of construction, and building envelope systems. In addition, there is a focus on the technology and design of hi-rise architecture. Structural issues concerning the impact of lateral forces on buildings will be examined. Case studies are used to illustrate building system typologies to contribute to an understanding of the relationship between design intention and constructed form. Throughout, the use of integrated and sustainable technical strategies will be examined critically.

Advanced Environmental Systems
arch 5421 Kelly Chow t2

Building systems must reconcile all in relation to the scale and comfort of the human body. The development of environmental systems must be a synthesized and integral part of the design process, with a clear strategy that operates at multiple scales. This course presents strategies for integrating active environmental systems with enclosure, space, and the requirements of human occupation. It will focus on the importance of considering active systems as part of an integrated design strategy addressing both *form* and *performance*.

ELECTIVE COURSES

Sustainable Buildings to Cities and Beyond
arch 5431a Iris Hwang t1

This course introduces the concept of sustainable design and the "bigger picture" context of sustainability. It will address considerations at the building level, as well city and global level issues regarding architecture, urban design and planning, using both "designed" buildings and "non-designed" vernacular architecture to demonstrate how buildings respond to its climate and surroundings. Precedents of actual and built projects will be used to demonstrate how integrated design concepts are applied.

Extra-ordinary Arrangement of Loadbearing Components
arch 5431b Zhu Jingxiang t1

This course will unveil the enormously multilayered issues of wall and beam design through in-depth study on selected cases from international architects and the local reality. The complexity of a case will be clarified through a modeling process, followed by analyses on structure, geometry, and organization logic. Design exercises on wall and beam will prepare students for an application of know-how in their studio work.

Performance-based Simulation in Design and Planning
arch 5431c Tsou Jin Yeu t2

The course integrates green building essentials, technical knowledge, assessment criteria and performance-based simulation techniques of green building development and sustainable urban design and planning. Critical thinking and judgment in understanding various major impact categories covered by an international green building rating tool, Leadership in Energy and Environmental Design (LEED), is encouraged.

Material Imagination in Architecture
arch 5431d David Dernie t2

This course explores ideas related to the history and practice of materials in architecture and their relationship to the visual arts and the nature of architectural representation. It asks how and why materials have been used historically and what are the limits and possibilities of expression through materials in contemporary architecture. In the context of environmental imperatives, and with the cultural framework of western modernism, the course will explore the intrinsic relationship between technologies and ideas.

MArch I design methodology and practice

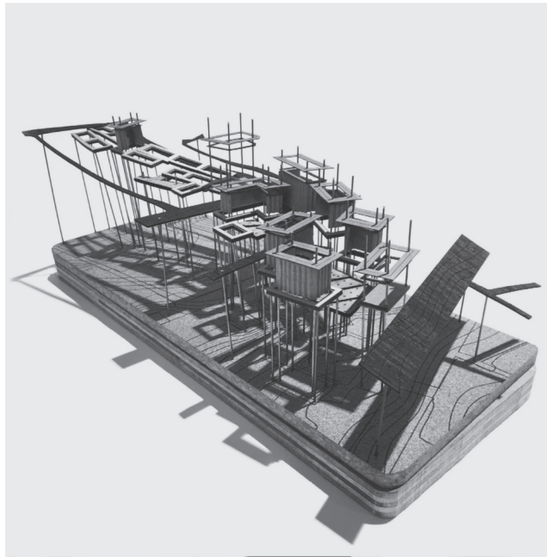
DESIGN STUDIO

G5 Peter Ferretto *t1*
Condition/Real Villages:
Rethinking China's Countryside

This Design Research Studio looks at the possibilities of rethinking abandoned rural Chinese villages and capitalizing on a disappearing rural culture. After the catastrophic effects on urban heritage, modernization is now in the process of decimating most of China's rural villages. By designing "real" projects for the abandoned village of Hexin Wu, located in Guangdong Province, China, our ambition is to present an alternative way to re-think the issue. To challenge conventional preservation paradigms, instigated by a national rural heritage policy focused on introducing tourism as a rural solution, we aim to make these abandoned villages operational again. By conceiving the village as an ecosystem, students will design a series of "real" prototypes with associated implementation strategies. "Real" in this context relates to showing sensibility and practicality to deliver a series of proposals that can be achieved (financially) and implemented (buildable) by the community.

G6 Patrick Hwang *t2*
Lightness, Visibility and Multiplicity -
Library 2.0

As digital network-communication and knowledge transfer began to proliferate and infiltrate the public life during the 1990s, it elicited a prophetic debate on the future of books and the library. The discussion on the digitisation of existing books and the making of e-books caused great anxieties. The relevance and necessity of the library as the centralised space of knowledge was also called into question through this debate. However, this apprehension did not last long. Three decades after the initial prediction, we learned that the prophecy never became a reality. Instead, more than ever, the function of the library to serve as a public space for physical interaction and social interface has become more critical and prevalent. In search of the potentiality of "Library 2.0", this studio seeks ideas, provocations and proposals to reimagine the library as a system of social engagement and knowledge production in the city.



from left to right: g5 jackey ip, study model for a craft center in itaewon, seoul; g6 carol wong, materializing the imagination

ELECTIVE COURSES

The Politics, Polices and Polemics of the Plan in Hong Kong and Beyond
arch 5131a Clover Lee t1

Questions posed by the dominance of the Plan in Hong Kong housing involve two fundamental but intertwined concepts: scale and size. The scale of housing in large-scale developments places the quantitative aspects of the Plan (size) at the centre of the transaction, which is at odds with the historical traditions of the Plan (scale). This condition creates a disparity between the transactional (size) and the experiential (scale). This course examines the phenomenon and how it relates to the evolution of the Plan in architectural discourses.

Residual / Condition / Hong Kong
Looking for the other Hong Kong
arch 5131b Peter Ferretto t2

More than a city, Hong Kong is a condition, where diverse moments of human habitation collectively generate an un-paralleled urban ecology. This project focuses on challenging preconceived notions of how we see our cities, steering away from the prescribed notions of urbanism and architecture as abstract entity, where citizen and professionals are separated by a vast gulf. Rather, it seeks to re-address the link between the city and human habitation.

Professional Practice and Management
Advanced Professional Practice Issues
arch 5531 Bernard Lim t2

This course aims to provide students an exchange platform with leading professionals to explore and understand topical issues and important aspects in professional practice. Students will have the unique opportunity to experience the real-life working environment into which they will merge upon graduation. Students will study and research on topical issues, in order to deepen their understanding and appreciation of important professional values.

ACTIVITY

Digital Learning

Modules provided by the Institute of Digital Design (IDDA) are availble for self-instruction. This is an online e-learning platform for digital design tools. Modules for both terms include: *Revit*, *Rhino + Grasshopper, Python and Maya*.

MArch I

digital technology and computational design

DESIGN STUDIO

G9 Adam Fingrut *t1*
Stratified Ground

Hong Kong exists within an environment of steep terrain prone to landslides. It has developed an intricate network of drainage and retaining wall systems amongst the urban fabric to protect against catastrophes. Masonry walls have been intertwined with the city's dense built environment, and are reflective of its history, culture, technology, and milieu. They provide opportunity for architecture, and a platform for urban ecology. The goal of this studio is to develop a design workflow and relationship between digital and analog drawing tools, and to establish an innovative response toward traditional masonry. An integrated building programme relating to parks and leisure will challenge the consideration of key architectural moments and changes within a deployable system to accommodate programme and use. Students will emphasize on material 'otherness' as they develop their own dialogue between hard and soft design components. Physical models stressing casting and formwork will inform design decisions. An iterative design approach will incorporate high-resolution surface conditions into interior and exterior architecture.

G10 Kristof Crolla *t2*
Force Matter 3: Virtuosity

Studio "Force Matter 3: Virtuosity" takes the demand for light-weight, ecologically viable architecture and the desire for spatial complexity and fluidity as the challenging starting point to advocate for a more holistic architecture. It rejects one of Modernism's most restrictive design paradigms on form and geometry – the essentialist notion that matter is constrained by idealised geometry and can be regulated by transcendental form – and replaces it with post-digital alternatives that include forces, matter and materialisation. The impersonal capacity of material systems is combined with human will and intentionality in an iterative setup where additional determinants are given room to feed back and affect the outcome. Carefully calibrated physical manifestation in the urban context is the only valid end product.

from left to right: g9 retaining wall; g10 zcb bamboo pavilion by kristof crolla.

ELECTIVE COURSES

Bending Rules 3 – Holistic Integration
arch 5231a Kristof Crolla t1

User-friendly performance simulation is creating a paradigm shift in conceptual architectural design, enabling the design/construction of high-performance geometry and expressive form by minimal means. The course explores design/construction of bending-active structures using state-of-the-art real-time physics simulation tools bringing together research from three significant yet separate fields: light-weight architecture; bending-active shell structures; and architectural design through live physics engines for interactive simulation, optimisation and form-finding and physical prototyping.

Generative Architecture and Urbanism
arch 5231b Jeroen van Ameijde t2

This course introduces students to the history and current practice of generative design, discussing the use of computational tools and processes within the larger context of design methodologies and practice. Open to students with no previous experience in computational design, the course will include a series of generative conceptual design experiments that use rule-sets to handle the collection, translation and implementation of design-related data into performative architectural systems.

ACTIVITY

Digital Learning

Modules provided by the Institute of Digital Design (IDDA) are availble for self-instruction. This is an online e-learning platform for digital design tools. Modules for both terms include: *Revit, Rhino + Grasshopper, Python and Maya.*

MArch I history, culture and conservation design

DESIGN STUDIO

G13 Thomas Chung *t1*
Architecture as Operative Landscape

This studio investigates the notion of architecture as operative landscape, in response to the converging fields of urbanism and ecology. In particular we will explore possibilities of an alternative 'ecology of tectonics' for the 21st century post-materialist society, one that emphasises values of inclusivity and self-organisation while aspiring to an equitable commons.

We will investigate current metabolisms of the urban-rural interface to understand the complexity and contradictions between the various life-cycles. We will draw from the existing context and seek out sites of emerging opportunities. We will propose innovative urban-rural scenarios that integrate both natural and programmatic ecologies, and employ architecture as the catalyst for transformative reconfigurations between architecture, infrastructure, active and productive landscapes. We will examine the role of operative landscapes and envision their potential for building communities within an architectural scale.

G14 Doreen Liu *t2*
Defining Publicness in Infrastructural Architecture III - Re-imagining the Bin-He Sewage Treatment Plant

Infrastructure is one of the most important components of a city. Water, sewerage, energy, transportation, etc. are traditional infrastructures, while public facilities such as schools, clinics, cultural centres and other institutions are social infrastructures. In addition to supporting the daily life of a city, these structures occupy the most valuable, beautiful and prominent land of a city. As land becomes scarce, we must look for the best or most creative use of this resource. Employing cross-disciplinary research to arrive at tectonic solutions, the studio will explore the possibility of generating public space, public education & alternative urbanism through the process of upgrading existing and still functioning infrastructure. Students will be challenged working with engineers and technical issues to best use the infrastructure to develop a new urbanity through the creation of public programs, architectural events and educational activities.

REQUIRED COURSES

Architectural Theory and Criticism
arch 5321 Patrick Hwang t1

Architectural Theory and Criticism aims to unfold the ideas that lie behind the appearances of buildings. The instructor will deliver ten thematic lectures, each addressing a specific theoretical concept and how it relates to architecture. The course provides a framework for understanding the theoretical trajectories and debates while allowing ideas occurring on the periphery to be further investigated by individual students.

ELECTIVE COURSES

The Study of Architecture is Ultimately the Study of Works of Architecture.
arch 5331b Essy Baniassad t2

This course concerns the process of design and its impact on the quality of its product; the design. The course focuses on the process of design as the formation of the design from inception to completion; as the initial idea undergoes changes and grows in complexity to the extent of complete form. It will explore the process by the methodical examination of the product, one might say "in the key of design" THE WORK OF ARCHITECTURE.

ACTIVITY

Digital Learning

Modules provided by the Institute of Digital Design (IDDA) are availble for self-instruction. This is an online e-learning platform for digital design tools. Modules for both terms include: *Revit, Rhino + Grasshopper, Python and Maya.*

from left to right: g13 kowloon city pumping station no.1 by a.lead architects; g14 plan, bin-he sewage treatment plant, shenzhen.

MArch I urban design and landscape urbanism

DESIGN STUDIO

G17 Francesco Rossini *t1*

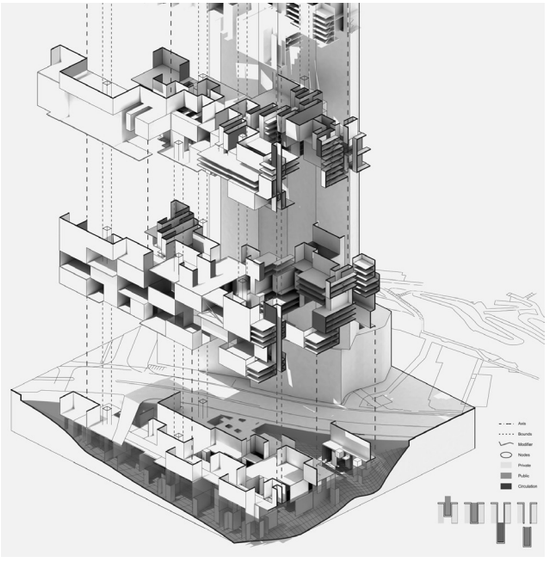
Hong Kong: The dreamworld of consumerism. A leisure center complex in Sham Shui Po

In Hong Kong the public life takes place, inside or outside the buildings, at 20 meters above ground or at ground level with no apparent distinction. In this complex urban structure the social activities occur most often in the internal spaces of the shopping mall. These mixed-use hubs are based essentially on commercial experiences emphasizing the culture of consumerism, but at the same they offer a place for the collective domain in which a range of functions generate different forms of social interaction. However, there is almost nothing unpredictable in these spaces, the private surveillance of the activities that occur in them raises the question of the capacity of these spaces to become civic places where the public dimension can be fully represented. The studio aims to investigate the spatial urban form of this cathedral of commerce to leverage new architectural possibilities. The students are encouraged to re-imagine the future scenarios of this complex urban form that offer analytical and critical perspectives on the post-consumerism era of Hong Kong.

G18 Jeroen van Ameijde *t2*

The Generative City

This studio will operate at the intersection between architecture and urbanism, exploring ways to interpret buildings as integral components to the city, forming and encompassing urban space. We will focus on the inner workings of urban centres, understanding the social, cultural and economic relationships that drive their materialisation. Using methodological design processes to experiment with the geometrical, tectonic and spatial complexity of large scale developments, we will explore how we can improve upon the ways in which we plan, construct and inhabit dense urban spaces. The studio will engage in speculative research-by-design processes, proposing prototypical designs for an urban centre that combines live, work and leisure programs organised around three-dimensional networks of urban spaces. Supported by seminars on urban theory, diagramming and visualisation techniques and a library of computational design tools, each student will develop a distinctive urban and architectural structure, designed to provoke the emergence of vibrant urban ecologies.



from left to right: g17 markthal rotterdam / mvrdv; g18 stavros papavassiliou. aa intermediate unit 6, 2010/11.

REQUIRED COURSE

Urban Design and Planning

arch 5721 Francesco Rossini t2

This course addresses the history and fundamental theory of urban planning. Fundamental concepts, international theories, and utopian ideas will be presented and analysed. Understanding the history and theory of planning requires the consideration of several factors. The evolution of the city as a physical, social, and economic entity will be introduced, investigating the key role that urbanism, combined with the interdisciplinary approach of architecture and urban design, can play in creating a better and more liveable city.

ELECTIVE COURSES

China Urban Housing

arch 5731a Tsou Jin Yeu t1

Lectures introduce China urban housing development history, social economic background, government policy and regulations, land and economic considerations, China green building guidelines, sustainable urban design and development, implementation systems, case studies, etc. Based on above lectures, students make comparative analyses between China urban housing and international experiences, topics to build up their own in-depth understanding regarding China housing related issues.

Mapping Urban Ecologies

arch 5731b Jeroen van Ameijde t1

This course will introduce fundamental ways of understanding the city as a series of spatial and functional networks, enabling it to be a laboratory for innovation. After a series of seminars covering the work of leading theorists, sociologist and activists, students will engage with the mapping of the dynamic life of an urban area through film, photographs, writings and series of high quality, data-driven digital drawings.

Urban Innovation and Entrepreneurship in Contemporary China

arch 5731c Tat Lam / Jessica Cheung t2

In the past five years, urban lifestyle has changed dramatically with digital service platforms. Realms of data technology have offered new methodologies for problem identification and resolution. Urban designers will need innovative insights, research methodologies, execution techniques, capital and the ambitious but genuine mentality to affect positive change. This seminar offers students insight into the ubiquitous yet complex development problems of urban China. (Not offered AY2018-19)

ACTIVITY

Digital Learning

Modules provided by the Institute of Digital Design (IDDA) are availble for self-instruction. This is an online e-learning platform for digital design tools. Modules for both terms include: *Revit*, *Rhino + Grasshopper, Python and Maya*.

Thesis Project

DESIGN STUDIO

Coordinator
Patrick Hwang

Thesis Project

Thesis Project is an intensive one-year research and design inquiry. Each student develops a specific thesis project exploring issues pertaining to the thesis agenda established by the thesis supervisors. The final outcome of the thesis should demonstrate the student's ability to explore an architectural issue independently, innovatively and in-depth. The Thesis Project is organised through the structure of Define, Delve, Distill, Develop and Defend to propagate the year-long disciplinary design project. It is the responsibility of the individual students to *define* a specific subject of investigation within the supervisor's proposed agenda, and to *delve* into a rigorous and methodological architectural research. When challenged with overwhelming findings and data, students should be able to *distill* the content to translate the abstract information into a specific architectural response. As a professional discipline, architectural Thesis Project anticipates a design production to form as part of its concluding argumentation. As such, the iterative process of *developing* design ideas is crucial. It is expected that at the end of the year, the student would *defend* his or her proposition against a set of terms of evaluations. When presented clearly, it is the means for which the thesis would be judged.

Thesis Advisors' Design-Research Agendas

Nelson Chen *– "Adaptive High Rise Architecture for High Density Urban Conditions"*
Amidst the high rise, high density urban context that defines our city, uniquely hybrid building types have emerged such as churches, hospitals, et al, that are high rise in Hong Kong but virtually nowhere else in the world. Thesis students will be challenged to reformulate vertical communities with adaptive architecture responding to distinctively Hong Kong urban conditions, and not defaulting to generic typologies such as modified typical core-and-shell office towers.

Kelly Chow *– "Crafted Object: the Building Envelope"*
Research + Design targeting the element where environmental, social and aesthetic potentials of buildings interface with our surroundings. Crafting spaces for human occupation, where the needs for enclosure, performance and purpose come together as a holistic whole has driven much development in architecture. Architecture accommodates for these systems; by acknowledging this, and not seeing it as an afterthought in design, it can be made an integral part of the design process, with a clear strategy that operates at multiple scales. The focus of the thesis group lies largely within the crafted object and its adjacencies: crafting, making, designing, detailing and material culture.

Thomas Chung *– "New OrganiCity"*
The thesis group will explore possibilities for a 21st century post-materialist "organic" architecture, one that aspires to an inclusive, self-organised and equitable commons. We will investigate topical issues to develop intellectual positions. Examining current metabolisms to understand contextual complexities, we will propose innovative scenarios that integrate natural and programmatic ecologies, and employ architecture as catalyst for radical reconfigurations of infrastructure and landscape. Individual thesis will generate a "radical" architecture (a return to roots) by imagining an alternative "ecology of tectonics".

Kristof Crolla *– "Architectural Design in the Post-Digital"*
Digital technologies have enabled an expansion of space design possibilities, the sole domain of the architect. This expansion, however, takes place in a virtual environment that removes important hurdles of construction materialization, such as gravity, material behavioural response, and resistance to form and formation. Proposed thesis topics will tackle this challenge by starting with the study of how non-standard space design solutions can be practically realised. The topics include the architectural study of procedural affect, formation processes and tectonic systems.

Peter Ferretto *– "Dislocated Hong Kong: Fragments of an Urban Interior"*
Our topic will focus on the marginal, forgotten spaces of the city that many considered irrelevant, lost and hidden – Hong Kong's "Terrain Vague". We will work with fragments, finding constructs (prototypes) to bring order and give life to these parallel spaces. Via a process of distillation, we will calibrate bespoke architectural propositions to invoke alternative realities of Hong Kong, a city that evolves as a continuous assemblage of textures, incomplete objects and stories. Fragmentation, our modus operandi, becomes a form of resistance to forces of destruction/ erasure to preserve essential parts of a whole and to reconfigure different wholes in the future.

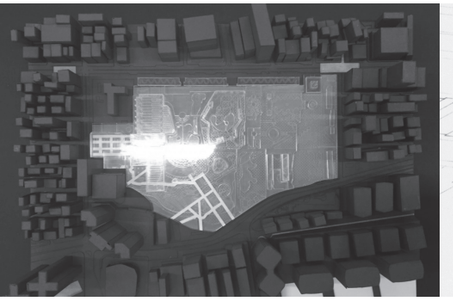
Adam Fingrut *– "Digital Impressions"*
As architects enter the post digital paradigm, their design focus can shift toward expressive space – with sensitivity toward context, affect and milieu. By incorporating the power of digital and computational tools, such architecture can be produced with a high level of efficiency, economy, accuracy and effectiveness. This sense of digital efficiency must be balanced with the vitality of rigorous investigations, and the development of a critical position (design identity). The future of practice will become an exercise in marrying workflows, languages, and tools for the rapid and effective strengthening of a critical design position and successful design output.

Simon Hsu *– "Architecture as urbanism - urbanism as architecture"*
Interest lies in how the design project can creatively solve problems relating to the changing needs of the human condition. Pressing issues such as population growth, migration and urban expansion, to name a few, require that space be effectively and inventively used both in the private as well as the public realm. Through clever use of programme(s), intelligent siting strategies and sustainable methodologies, an inspired architecture project can not only re-energize but also re-connect disparate urban, cultural and social environments.

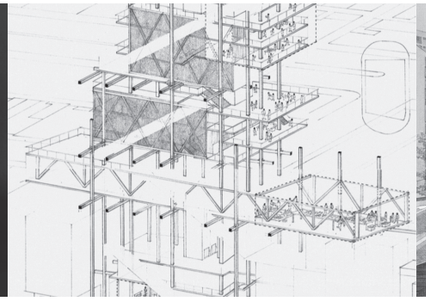
Patrick Hwang *– "City as a Repository"*
A city's identity can be characterized and defined by its attitude towards the past, present and future. What a city chooses to collect and how it disposes of its artifacts, directly influences the memories of its people. A repository, archive, library, warehouse, athenaeum which stores valuable records and the collective memory of its people, is at its core, a monument to life as it celebrates the passing of time. It is the building type that Ricardo Scofidio refers to as the "former present, which remains autonomous and resists any later fabrication of meaning."

Sebastian Law *– "Mixed-Use Buildings"*
Mixed-use buildings are complex and pose a challenge for the architect. They are a type of development that blends residential, commercial, cultural, institutional, or industrial uses, where those functions are physically and functionally integrated. Mixed-use developments encompass low or high rise buildings and can take the form of a single building block or entire neighbourhood. Mixed-use buildings, in today's modern metropolis, are essentially the template upon which cities are shaped. These facilities showcase the productive use of space as well as add vitality to urban areas.

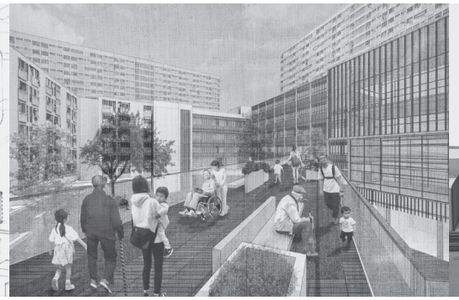
Clover Lee *– "Differentiated Bigness: Scale vs. Size"*
The research focuses on how large-scale building developments in hyper-dense environments form a new building typology. In Hong Kong, the "Plan" is the protagonist that facilities such large-scale housing developments, resulting in a specific breed of architecture that is highly efficient in "Plan". Further research will put emphasis on the



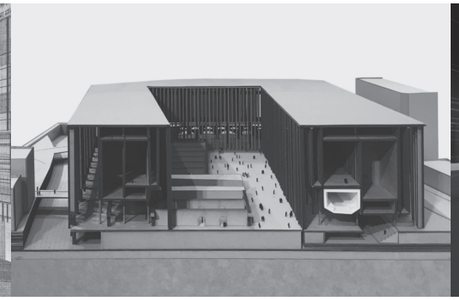
the act of browsing
fong tsz kin, matthew



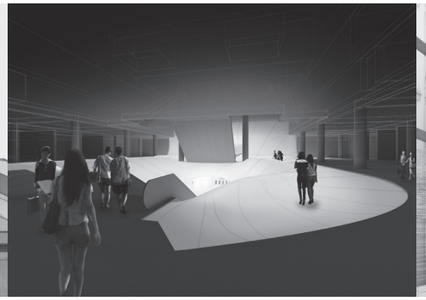
repair (in) the city
lam man yan, milly



the community interchange
chan wing yan, annie



a wall to connect
wong fai nam, arthur



phenomenological design of space
hui on yu, woody

crossing the thames barrier
leong on u, derrick

design opportunities and methodologies of the Plan and to engage in the cultural, geographical and economical environments in which these Plan-dominant architectures emerge.

Francesco Rossini *– "Architecture of Education in the Informal Settlement"*
Manila, the capital of the Philippines, is experiencing unprecedented urbanisation and the existing concepts of urban development may lead to an explosion of two opposite situations: high-density clusters of high-rise buildings and informal settlements. In the informal city, a relevant role is given to the public school. The rigor and the generic form of this architecture of education stands in contrast, in terms of dimension and typology, to the spontaneous instability of the urban structure of these informal settlements. Reflecting on the role of the urban renewal, students will engage a new programmatic concept and design for the school, exploring its architecture in the context of the informal settlement of Baseco.

Hendrik Tieben *– "Spaces for Living, Working and Networking – Re-envisioning Hong Kong's Housing Estates"*
In Hong Kong's housing estates, self-initiated economic activities are strongly restricted. The design and management of these estates thus limits job creation, innovation and the experience of self-determination. At the same time, open spaces around estates lack vibrancy and individuality. Before the privatisation of the commercial centres in public housing, Hong Kong Housing Authority had developed centres in housing estates, which integrated commercial and community activities successfully. The research will start with an investigation of these estates from the 1980-90s to identify why certain constellations of residential towers, commercial and community facilities and open spaces were more successful than others in creating social interaction and prosperity.

Tsou Jin Yeu *– "Adaptive Community / Housing for Demographic Aging in Hong Kong's Hyper-dense Urban Context"*
Hong Kong is faced with challenges from a rapidly aging population. It brings pressure to community to house an aging society and even to be adaptive over one's lifetime to accommodate the multi-generational needs and lifestyles. Architects are responsible to incorporate neighbourhood, space, and housing designs with age-adaptiveness, social inclusiveness and considerations for the limited mobility. Students will investigate new architectural solutions and housing typologies for place making, neighbourhood or community design, in order to meet the aforementioned challenges entailed by demographic aging that contain a mixture of youth and elders, local and outside cultures.

Jeroen van Ameijde *– "Generative Urban and Architectural Design"*
Our research will focus on the social, cultural and economic principles that drive the development of our urban environments. 'Generative design' will be explored as a methodology to develop complex programmatic and spatial urban and architectural systems, as well as a value system to speculate how these can contribute to the quality of life in the city. Using analyses of existing urban ecologies, we will create speculative projects that promote cultural diversity and exchange.

Yutaka Yano *– "Landscape and Architecture for the Digital Communication Era"*
The relationship between different scales of spatial creation – from city and architecture, to installation and product design – requires an understanding of the wider context. With the advance of communication technology in recent decades, specifically the ubiquitous tool of our mobile phones, this has dramatically altered our reading of the city and the way we navigate urban space. Although architecture is seemingly less susceptive to these prevailing new technologies, a number of spatial designers and artists are exploring this new paradigm and the increasingly blurred boundaries of digital and physical spatial representation with popular web-based mapping software. Students will be challenged to experiment in carefully a constructed workflow starting with case studies of architecture and art installations, literature reviews, and creation of working prototypes using digital communication or kinetic devices.

Yuet Tsang Chi *– "Inner City Regeneration and Urban Housing"*
The call for revitalisation of decaying Asian inner cities is pressing. Research and design methodologies must deal with this issue as a general phenomenon and a site-specific problem and involve the study of relevant contemporary theories, government policies, local history and physical conditions of site to derive a "system of values" for decision making process. By means of sensitive architectural interventions and program strategies, design explorations aim to speculate renewed values for old communities and trajectory of further urban growth. "Urban Housing" investigates aspects of collective housing in dense urban living conditions, relationships between habitation and public spaces, individuals and community, housing forms and city fabric. Through research of a specific site in context and critical issues of contemporary urban living, design explorations aim to propose new housing typologies that challenge conventions and question notions of border between privacy and collective living.

Zhu Jingxiang *– "Conceiving Space from a Loadbearing Idea"*
A fundamental relationship between structure and space exists in all kinds of buildings. The degree of articulation of the two affects the flexibility of use, efficiency of space, specific perceptual experience and tectonic form. The articulation also determines whether the design is competitive on parameters such as compatibility, construction efficiency and material consumption. Aided with the surprising ability offered by manufacturing power in the PRD region, building products can be widely applicable, as long as the target of sustainable architecture can be defined and design skill in terms of integration can be mastered.

REQUIRED COURSE

Professional Practice and Management

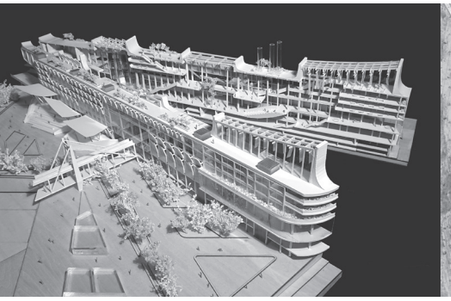
arch 6521 Bernard Lim t1

The course gives an insight into local development controls, such as the various statutes, regulations, leases, and codes of practice, and the architect's relationship with the controlling authorities. It looks into the architectural office structure, management, and codes of professional conduct, ethics and corruption prevention within the profession. It touches also on the role of the architect, scope of services, terms of agreement, and the architect's relationship with the allied professions. The course covers principles on the building contract and its legal framework. It examines the HKIA/HKIS Standard Form of Building Contract, illustrated with examples and practical experience of how an architect manages the building contract.

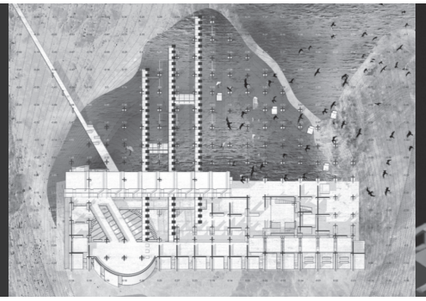
ACTIVITY

Digital Learning

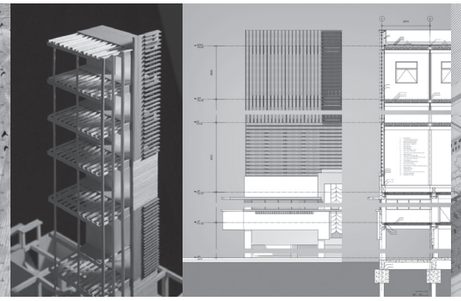
Modules provided by the Institute of Digital Design (IDDA) are availble for self-instruction. This is an online e-learning platform for digital design tools. Modules for both terms include: *Revit, Rhino + Grasshopper, Python and Maya.*



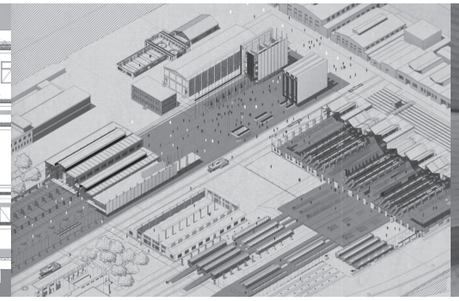
the paper sanctuary
yue ka hin, jasmine



tidal urban architecture
lam wai hon, joshua

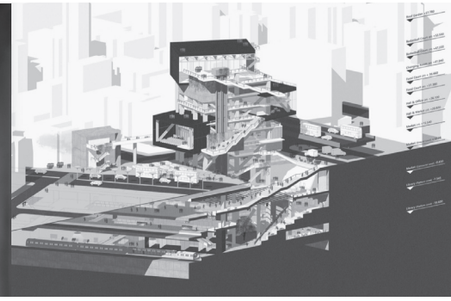


when light meets heavy
tsang xiang han, vincent



taipei train depot
chu cheong kei, kyle

reading hub in shanghai
lam wai han, winnie



underground sociocultural hybrid
lie cheuk lam

Design Research Units

BUILDING TECHNOLOGY AND SUSTAINABLE DESIGN (BTSD)

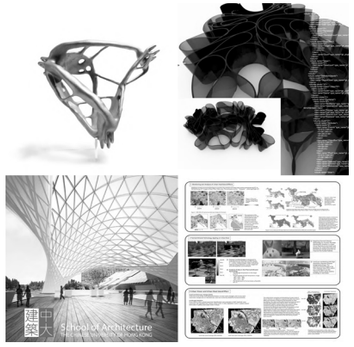
Kelly Chow, David Dernie, Bruce Lonnman, Edward Ng, Tsou Jin Yeu, Zhu Jingxiang

Design and Technology are inseparable in the attainment of sustainable design solutions. The BTSD Design Research Unit is based on an understanding that successful architecture is a seamless integration between the two, where comprehensive and innovative solutions can be explored through a broad spectrum of applications, including responses addressing; climate, comfort, construction, material resources, and use. This platform enables and supports investigations in Building Technology and Sustainability at multiple scales in order to develop integrated design strategies that are appropriate to specific design problems, and that support solutions for the longevity of the built environment. Sustainability is a way of thinking, implementing, and designing that informs user-motivated architecture, placing primary value on our environment.

DESIGN METHODOLOGY AND PRACTICE (DMP)

Nelson Chen, Kelly Chow, Peter Ferretto, Gu Daqing, Patrick Hwang, Clover Lee

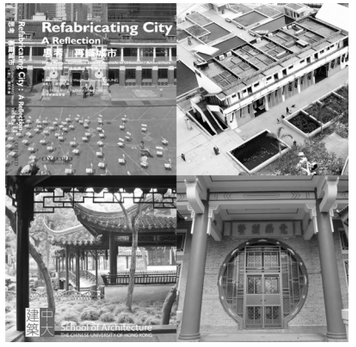
The DMP Design Research Unit is formed by a cluster of experienced educators and practitioners who have achieved design excellence in built and proposed projects. Faculty members within the DMP work with current social issues, constructional methods and pedagogical approaches as their design and research agenda. DMP seeks to rebuild the fundamental bridge between praxis and theory by emphasizing "engaged-process" as a fundamental approach to design and research. Studios embrace a range of methodical approaches that begin with an experimental or metaphysical basis and evolve towards a concrete and articulated design proposal, reinforcing the notion of research advancing practice and practice reinvigorating research. Recent topics in the DMP range from re-using residual urban spaces to the design of an urban archive.



DIGITAL TECHNOLOGY AND COMPUTATIONAL DESIGN (DTCD)

Kristof Crolla, Adam Fingrut, Tsou Jin Yeu, Jeroen van Ameijde

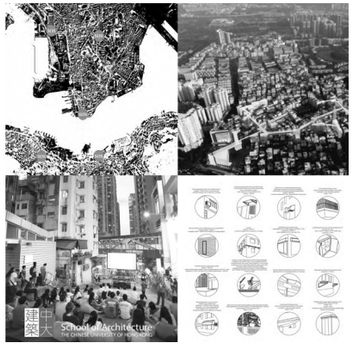
The DTCD Design Research Unit focuses on the impact that computation has on the architectural industry from conceptual design to project implementation and down to digital fabrication. Through a series of elective courses, design studios and thesis projects, students are introduced to the various aspects of computation, including logics, procedural and algorithmic design methodology, complex geometry, and computational design theory. DTCD re-evaluates generative design methodologies with regard to structural form, construction detailing, environmental systems, and cross-disciplinary processes, bridging diverse fields including design, mathematics, natural systems, and innovative technologies.



HISTORY, CULTURE AND CONSERVATION DESIGN (HCCD)

Thomas Chung, David Dernie, Stanislaus Fung, Doreen Liu

The HCCD Design Research Unit focuses on conservation, architectural history and culture, with specific interests and strengths in the local context of Hong Kong as well as China. China-related issues in conservation, Hong Kong's heritage and the city's architecture history frame research output, ongoing competitive grants, PhD supervision, design studio topics as well as required and elective courses. Besides Hong Kong, recent design studios have worked in cities such as Beijing, Hankou, Chongqing and Dali. Studio discussions are informed by several areas of research in history and theory, while context and fabric are studied at various scales in order to investigate local constraints as opportunities for formulating design strategies. The intention is to allow students to work on real sites and neighbourhoods, gaining knowledge of localities through documenting built fabrics and engaging communities, thereby understanding the reciprocity between cultural continuity and inevitable contestations that constitutes the urban process.



URBAN DESIGN AND LANDSCAPE URBANISM (UDLU)

Nelson Chen, Doreen Liu, Francesco Rossini, Hendrik Tieben, Jeroen van Ameijde

The UDLU Design Research Unit focuses on sustainable approaches to urban regeneration and new town design under particular consideration of ecological and socio-economic concerns in the context of Hong Kong, Macau and the Pearl River Delta. UDLU coordinates activities within the core Architecture programmes as well as the new BSSc in Urban Studies and MSc in Urban Design programmes at CUHK in order to create various synergies. The creation of the two new urban programmes allows the expansion and diversification of the teaching and research capacities by hiring new faculty members with backgrounds in urban economics, ecology and geography (as a joint effort of the School of Architecture and the Department of Geography and Resource Management). This gives architecture students the opportunity to enroll in further courses related to urban issues and integrate interdisciplinary perspectives in architecture courses Land and City as well as Urban Design and Planning.

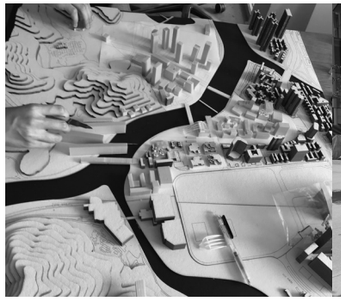
MSc

Urban Design

Programme Director
Hendrik Tieben

In the coming year, the MSc in Urban Design programme will continue its focus on public spaces related to infrastructure and border. The first studio is aligned to the citizen movement Des Voeux Road Central (DVRC) as an initiative to retake Hong Kong's roads as spaces for public life. Students will develop proposals for the redesign of Des Voeux Road and Aberdeen Praya to recapture their cultural significance and role as social spaces, using the opportunities provided by the construction of the new MTR lines and the Wan Chai Bypass. The second studio focuses on the Zhuhai-Macau border space. With the new Hong Kong–Macau–Zhuhai bridge and rail infrastructure, the areas around the Zhuhai-Macau border are transforming significantly. The studio aims to use these changes to bring more community benefits to residents and visitors in both cities.

The learning activities in the MSUD programme are co-organized with regional and international partners, offering a range of opportunities to experience different urban conditions and interact with students and teachers from different backgrounds. The first studio begins with a "boot camp" co-organized with Stanford University. Later during the term, students will meet counterparts and teachers from National Taiwan University and visit community projects in Taipei and Keelung. The second studio is organized in partnership with four leading universities in mainland China to engage with the broader region of the Pearl River Delta Greater Bay Area. The programme's International Summer Workshop will be co-organized this time with the New School and give students the opportunity to study related urban design projects in New York.



Study Scheme

Students are required to complete a minimum of 30 units of courses before graduation.

(i) Required courses: 24 units

First Term:
Introduction to Visualizing Urbanism and Urban Design
- *URBD 5710 Urban Design Studio I - 6 units*
- *URBD 5703 Urban History & Theory - 3 units*
- *URBD 5731 Urban Processes - 3 units*
- *URBD 5732 Urban Transport Networks - 3 units*

Second Term:
- *URBD 5720 a&b Urban Design Studio II - 6 units*
- *URBD 5702 Environmental and Urban Economics - 3 units*

Summer Term:
- *URBD 5734 International Workshop - 3 units*
- *URBD 6701 Urban Design Thesis - 6 units*

(ii) Elective courses offered by other departments:
- *AEPT 5021 Sustainable Eco-City Development - 3 units*
- *AEPT 5201 Scientific Simulation for Sustainable Urban Planning - 3 units*
- *AEPT 5104 Urban Remote Sensing - 3 units*

*** Enrollment to courses offered by other departments is not guaranteed, and it is up to the offering department to decide when the courses are offered.

Visit the programme website for more information and updates:
www.cuhk.edu.hk/urbandesign

Urban Design

DESIGN STUDIO

Urban Design Studio I a & b
urbd 5710
Hendrik Tieben
Casey Wang

Retaking the Streets
Des Voeux Road & Aberdeen Praya

The first studio of the MSUD programme focuses on two main roads on Hong Kong Island: Aberdeen Praya and Des Voeux Road. The aim of the studio is to regain the streets' essential role as key public spaces of the city and use their redesign as the starting point for regeneration of the surrounding neighbourhoods. Both streets had important roles in Hong Kong's history and face similar current challenges: Aberdeen Praya was the main artery of the first fishing village in the south of Hong Kong Island, which predated the foundation of the colonial city. Des Voeux Road dates back to the early time of the colony and was created by land reclamation. It is the main east-west spine connecting the trading and financial centre of the city. With their current road design and heavy traffic, both streets have become spatial dividers between the historical districts and the harbourfront. They are highly polluted by vehicular exhaust and unsafe to walk. In the early 2000s, a citizen movement formed which pushes for the pedestrianization of parts of Des Voeux Road. The studio takes up this initiative and explores its further potential for the surrounding district, and the adaptability of the ideas to other parts of the city. Studio projects will be measured according to their success to address the opportunities and threats of the studio sites. Each project should demonstrate how it integrates considerations on transport organization and community processes, how it relates to the local culture and improves the quality of living and social cohesion in the surrounding districts. The studio is coordinated with the courses Urbd5731 Urban Processes and Urbd5732 Urban Transport Networks, to provide the necessary interdisciplinary knowledge to address the complexity of the studio theme and develop comprehensive solutions.

REQUIRED COURSES

Urban History & Theory
urbd 5703 Hendrik Tieben

This course examines the main ideas, histories and theories of the city. Important themes and debates in the history of urban design will be critically explored. In particular, the course investigates how urban forms have emerged and later reinterpreted, adapted and challenged by different social, economic and political contexts.

Environmental & Urban Economics
urbd 5702 Sylvia He

The course prepares students to develop criteria for value judgments about the complex social, economic and environmental impact of urban design and planning. A range of topics will be discussed including planning policies, migration, and transportation, zoning and livability issues, and potentials for more sustainable, just and livable cities. Students learn about contemporary urban economic research and online sources of economic data.

ACTIVITY

Everyday Urbanism –
An Ethnography of Urban Space
This introductory workshop is organized around an exercise in observation and mapping of a detail of a selected urban space. In the workshop, students learn a range of mapping techniques which enable them to unfold the complexity of socio-spatial relationships in series of drawings.

DESIGN STUDIO

Urban Design Studios II a & b
urbd 5720
Nuno Soares
Darren Snow

Cross-Border Lab:
Reframing the Urban Edge – Zhuhai X Macau

Building on the investigation of infrastructure and public space in the first Studio, the second Studio expands in scope to the Pearl River Delta Greater Bay Area. This presents an opportunity to examine the interface between regional infrastructure and local placemaking initiatives. It is a place of complex border relationships, diverse local identities and intense urban development. Border areas present an intensified territory for urban design. They are interfaces between cultures and expressions of identity. The border between Zhuhai and Macau provides a case as an urban border that is not the manifestation of a divided city but rather two distinct cities. Under the theme of Cross-Border Lab, the studio will use the Zhuhai/Macau border as a territory to explore the urban potential of the interface between these cities, reframing the urban edge as a place of intensified urban experience and quality of life.

The studio will begin with a study of the territory in its current condition and context and propose of a series of innovative large-scale urban interventions for its future development. Students will have the opportunity to focus on one of the three areas: Old Town Integration, Infrastructural Urbanism, New Town Design. Case sites will be selected along the border to address issues ranging from blue and green infrastructure, inclusive public space and livability, to urban infrastructure design and urban regeneration. The studio will collaborate with leading Chinese urban design and planning schools through the semester as part of a wider research and design project relating to the Greater Bay Area. It will also have the collaborative support of the Macau-based CURB Center for Architecture and Urbanism.

ELECTIVE COURSES

Urban Processes
urbd 5731 Sujata Govada

This course is organized in close relationship to the Urban Design Studio I and gives students the opportunity to learn about urban processes in Hong Kong and beyond. The course uses a combination of lectures and workshops in which students directly engage with different stakeholders and community members.

Urban Transport Networks
urbd 5732 Daniel Pätzold

The course provides an introduction into history and application of urban transportation systems. Urban integration, policy, transport concepts, planning aspects, technical requirements and ways of implementation are presented. During the course visiting lectures convey professional knowledge whilst its adaption to student design projects will be encouraged.

THESIS

Urban Design Thesis
urbd 6701 Nuno Soares

The course covers the general procedures of theoretical inquiry as it relates to urban design. For the dissertation, students will develop a proposal and produce an intellectually rigorous piece in design and writing. The topics will be self-defined but should relate to the overall studio theme.

MPhil-PhD

Extraction of Urban Morphology of China from Open Data and its Applications in Resilient Urban Planning
Cai Meng / PhD
Urban morphology can influence the urban climate. However, there is little or no data available on urban forms globally, especially in developing countries. My proposed study aims to build a database of urban morphology of China using open data, and to assess the impact of urban morphology on cities by integrating the data with urban sciences. Therefore, guidelines for urban planning and design can be proposed to modify the urban morphology to create more resilient cities in China.

supervisor: Edward Ng

Hong Kong – On the Verge of Identity
Chan Ching Kan / PhD (Part-time)
From a place of oblivion to an international trading port, the history of Hong Kong was found in a state of ephemeral and self-governance: the momentum of assimilation, re-production, and speculation: a permanent impermanence. The research attempts to discover how the difference and struggle of the place have triggered the identity formation.

supervisor: Stanislaus Fung
co-supervisor: Ho Puay Peng

Enhancement of Administrative Intelligence on the Public Utilities of a Smart City
Chan Chun Hong, Felix / PhD
In order to apply Artificial Intelligence (AI) technology to facilitate a prospective roadmap of smart city development, a precise and comprehensive artificial representative ecosystem on the infrastructures of a city has to be built as the information carrier so that intelligence can be attached to a Smart City domain. This research proposes using recent stack apps technology (full stack development platform) that inter-connects frontend and backend interfaces to formulate an artificial public facility social network. Each node of the social network plays an active role in sending regular messages to an information database for storing and tracking its status and also to message an alert to its upstream hierarchy network (or operator) directly when abnormalities occur. Such an artificial infrastructure social network aims to provide reactive and proactive communication elements to a Smart City.

supervisor: Tsou Jin-yeu

Transformation of Public Participation in Urban Renewal, HKSAR (2001-)
Chen Fei / PhD
Hong Kong is a market-led city, and many of the renewal projects are conducted for higher profits but neglect social values and community networks. The Urban Renewal Strategy in 2001 proposed a "people first" guidance and a series of bottom-up cultural conservation events happened from 2004 onwards. In 2008, the Development Bureau began the Urban Renewal Strategy Review and later continued to deepen the degree of district-based public participation in cultural conservation and placemaking. My research attempts to rethink the transformation of the mechanism of public participation modes in HKSAR's urban renewal from 2001 until now.

supervisor: Hendrik Tieben

Climate Impacts under Different Urbanization Modes and Planning Mitigation – An Example of Zhongshan City
Chen Feihao / PhD
Nobel Laureate Joseph Stiglitz once called China's urbanization process one of the two main forces shaping the world in the 21st century. Given its huge size, China's urbanization and its climate impact are undoubtedly far-reaching. As China's development has entered the "new normal", it is necessary to rethink its urbanization path and propose new directions for future. Zhongshan city was selected because of its unique location and urbanization mode in the PRD region. Scenario-based simulations will be carried out to compare the climatic effects under different urbanization modes. Actionable planning countermeasures will also be proposed based on the simulation results.

supervisor: Tsou Jin-yeu

Structural Design in Contemporary Chinese Architecture
Chen Jun / PhD
The study seeks to identify exemplary examples of structural design in contemporary Chinese architecture through case study research. The complexity of the whole process of design will be examined. Based on detailed interviews with engineers and architects, the study will research large archives of images for evidence of structural innovation and then investigate the ways in which structural design and architectural design are interwoven.

supervisor: Stanislaus Fung

Socio-spatial Dynamic, Community Transformation and Everyday Practice: A Spatial Anthropology of Boat People's Settlement, Xiamen (1910s-2010s)
Chen Yongming / PhD
This study selects a local cultural group as its subject to focus on the spatial practices of the Xiamen boat people. It discusses the relationship between social-spatial dynamics and community transformation involved in the everyday practice. Moreover, it combines a review of individual memories and collective narratives to discuss legitimising forms and meanings in the boat people during a 100-year span. By examining the typical cases, local historical documents, images and maps, field surveys, and in-depth interviews, it investigates the nature of boat people's social organisation, local knowledge, spatial practices, and eventual settlement on the land. It will provide a new insight on Chinese urban conservation and regeneration.

supervisor: Hendrik Tieben

"Better" Anti-seismic Rammed-earth Buildings for Rural Areas of Southwest China
Chi Xinan / PhD
This study will identify the characteristic issues of rammed-earth building in the area and summarize the strategies by social, economic, and environmental dimensions of sustainability. Systematic strategies will be verified by demonstration projects. Finally, a framework of an anti-seismic rammed-earth building construction system will be established according to relevant theory and practice.

supervisor: Edward Ng
co-supervisor: Peter Ferretto

From Rural Settlement to Urban Form – A Comparative Study of Village Transformations in Hong Kong and Shenzhen
Geng Yan / PhD
The village in the city as a distinctive social-political identity with its own traditions and social structures was significantly developed to reshape the urban fabrics and embody the specific contexts in planning culture. This research takes the villages in Shenzhen and Hong Kong as case studies to provide a comparative study to refine its formation, production and transition and to discuss its impact on the socio-economic dynamics of the urban space in Chinese urbanism.

supervisor: Hendrik Tieben

Construction as Design Generator: the Evolutionary Process of Material, Structure and Space Integration
Pedram Ghelichi / PhD
In routine and conservative architectural design thinking, "construction" is often misrepresented as solely the technical aspect of building. Alternatively, "construction" might be seen as a driving force of architectural design. Today, in a profession that has absorbed great technical and technological advancement, "construction" has been downgraded to the "realization of drawings". The main objective of this research is to re-examine this notion, and shift the focus from construction as a conventional realization of a building towards construction as an experimental and evolutionary process to "integration".

supervisor: Zhu Jingxiang

Assessment of Urban Green Space Provisions for Developing Healthy Living Environment in Subtropical High-density Cities
Gong Fangying / PhD
Urban Green Space (UGS) provides critical socio-ecological services, especially in high-density cities with limited greenery. The research includes (1) how to measure provisions of different types of UGSs at human-scale perception and (2) whether the provision disparities and environment inequities in UGSs exist for the urban context characterized by high-density, fast ageing and multiracial urban settlements. The research outcome provides landscape urban planning and design strategies to develop healthy living environment in subtropical high-density cities.

supervisor: Edward Ng

Between Seeing and Being Seen: Understanding a Social Logic Based on Asymmetry of Single Visual Interaction (ASVI) in Built Space and its Application in Space Analysis
Huangfu Wenzhi / PhD
Visual interaction is a substantial mechanism on shaping interpersonal behavior in physical space. The research, through inductive examination on existing visual-based social and environmental psychology theories, attempts to explore a new syntactic model quantifying perceptual pattern based on asymmetry of single visual interaction, and the model's unique application value in relevant space analyses.

supervisor: Hendrik Tieben
co-supervisor: Thomas Chung

Ontological Politics: the Discursive Construction on Built Heritage Conservation in Hong Kong
Hui Cheung Man / PhD (Part-time)
This thesis postulates that the concept of heritage and built heritage conservation is a discursive construction. By deploying a mixed method of content analysis and discourse analysis on newspaper articles from 1900-2017, the research examines how the public understands various heritage-related terminologies and, hence, the perception of the intrinsic value of built heritage.

supervisor: Hendrik Tieben
co-supervisor: Ho Puay Peng

Flood Memory – Learning from Flood Experience
Kuang Da / PhD
This is a multidisciplinary research which bridge theories from cognitive psychology, knowledge management, and ecological management. Flood resilience research argues for learning from past experience, while hardly any literature has identified the mechanism behind "achieving flood resilience through learning". This research tries to fill this gap and construct a framework of learning from flood experience.

supervisor: Edward Ng

Urban Climate Simulation of Hong Kong and its Implications on Future Urban Developments
Kwok Yu Ting / PhD
Our city and its climate have been changing, and will continue to change, due to human activities. Using numerical simulations by MésoNH-TEB, this thesis aims to quantify urban climate conditions for future urban development and climate scenarios in Hong Kong. The model will be enhanced to represent the complex surface-atmosphere interactions in high-density high-rise urban environments and will be validated against field observations. It will then be employed to assess the impacts of selected design scenarios. Findings are expected to contribute to planning and decision-making for citywide climate resilience.

supervisor: Edward Ng

Meanings of the Built Environment and Power Behind Changes of Rural Spaces in China's Nu River Valley
Li Kehan / PhD
China's rural space is under rapid change resulting from poverty alleviation, marketisation, and urban-to-rural development feeding. During the process of nationalwide rural construction, the inability of rural residents to manage their own

living environment for their everyday life has mostly been ignored. Based on an ethnographic examination of the minorities living in rural Nu River valley, this study plans to reconceptualise conservation of vernacular architecture in relation to the evolvement of rural space.

supervisor: Edward Ng
co-supervisor: Peter Ferretto

Design Strategies for "Age-in-Place" Based Age-friendliness Improvement of Built Environment in Urban Renewal under High-density Development

Li Xiang / PhD

Under demographic aging, the thesis attempts to integrate architectural and social research methods to investigate the reasonable mode of habitat environment for the "gray-hair-group" in the process of urban renewal, which can satisfy both physical and psychological demands for a healthier and happier later life in the high-dense urban context.

supervisor: Tsou Jin-yeu

Soundscape in Classical Chinese Gardens

Li Yuke / PhD

This thesis focuses on the listening experiences in Suzhou gardens. Literary records (ji) of the Qing dynasty are the main sources of this study.

supervisor: Stanislaus Fung

Rock and Rockery in Song Dynasty

Liu Chang / PhD

This research focuses on rocks and rockeries in Chinese literature of the Song dynasty. By translating texts and by detailed analyses, the aim is to highlight the specificity of the interest in rocks and rockeries in this period.

supervisor: Stanislaus Fung

A Building Performance-based Energy Modeling for Urban Sustainable Renovation

Liu Sheng / PhD

This research aims initially to present an efficient building performance-based and bottom-up urban energy modeling approach to the following questions: How to develop an efficient urban energy modeling based on the building energy performance considering the urban micro-climate and built environment? How much and what is available for energy retrofit at the city or neighbourhood level? How to identify and optimize the energy retrofit strategies for urban renovation?

supervisor: Edward Ng

Form Follows Body: The Changing Relationship Between Human Body and Modern Chinese Architecture After the 1980s and its Impact On "New Style Of Tang"

Luo Jing / PhD

Body, as primary subject of theoretical discourse in architecture when considering the human existence, has long been related to architectural design and history. This research attempts to investigate the ideas of human body upon the architectural morphology based on Chinese philosophy and to trace its changes in modern architecture of China, as the relationship between body and architecture has been in dramatic transition under the impact of modernism after the 1980s. Through the study of the "New Style of Tang" architecture that is regarded as a unique type of Chinese modern architecture (and massively constructed in the ancient city of Xi'an during recent years), this research analyzes how body defines architectural space and examines the notion of the body in Chinese architecture during the modern period.

supervisor: Hensrik Tieben
co-supervisor: Peter Ferretto

Mid-twentieth-century Houses by Richard Neutra

Lyu Ruijie / PhD

The research is focused on the relationship between programme and structure in Neutra's houses during the 1940s and 1950s. It would study how the nuances of structures and boundaries allow an opportunity to distinguish Neutra's houses and those by his contemporaries.

supervisor: Stanislaus Fung
co-supervisor: Thomas Chung

Mapping and Improving Outdoor Thermal Comfort through Spatial and Temporal Analysis

Ouyang Wanlu / PhD

As urbanization advances, urban heat island (UHI) effects create negative consequences on the ecosystem and our daily life. For outdoor activities, high temperature and humidity may cause high heat risk for pedestrians. Therefore, improving outdoor thermal comfort in the UHI phenomenon is critical. This study will explore the UHI condition through spatial and temporal analysis based on simulation. Proposed results are maps of thermal comfort area distribution as well as strategies for thermal comfort improvement.

supervisor: Edward Ng

Experimental Research and Engineering Practice on Bamboo Bridge in China

Shao Changzhuan / PhD

With financial constraints in China, local governments often fail to construct every footbridge in need. Seeking a low-cost and easily adaptable method to solve river-crossing problems would have high social significance. Utilizing bamboo to build bridges is a promising solution because of its availability and affordability in China. This research aims at conducting research on bamboo bridge structure typology.

supervisor: Edward Ng
co-supervisor: Peter Ferretto

The Exploration of the Definition of Blocks in Construction and Architectural Context

Sun Yuxuan / PhD

Based on the experiments of the variations and combinations of blocks in masonry construction, the research explores the potential of a block as a basic construction, residential and city composition unit, analyses will be conducted at multiple scales. Patterns and rules will be investigated as well as the representation of blocks in graphic and interactive design by using various digital tools.

supervisor: Zhu Jingxiang

Surface Heat Island and its Relationship to Urban Expansion in Chinese Cities

Wang Ran / PhD

Urbanization will modify the structure of the land it covers. It can contribute to the temperature differences between urban and rural areas that is called the urban heat island (UHI) effect. With such fast urbanization in China, the UHI effect will be intensified. This study aims to explore the relationship between urban expansion and UHI variations in Chinese cities, supplementing the current urban planning regulations and strategies.

supervisor: Edward Ng

Workflow of Contemporary Digital Design, Fabrication and Assembly Industry in Chinese Architecture Environment

Wang Sining / PhD

Contemporary architectural practice involves multi-disciplinary cooperation in which a digital paradigm shift is streamlining workflows among parties. Applications of this ideological coherence have emerged in developed countries while disciplinary isolation is impeding the evolvement of architectural philosophies in China. The research aims to construct a hypothetical workflow mode, which involves internal algorithm thinking and information transmission, and external collaborations among actors within the social information model, through case studyies and analyzing peculiarities of current workflows of Chinese practitioners and industry capabilities.

supervisor: Tsou Jin-yeu
co-supervisor: Kristof Crolla

How Building Environment Affect Human Emotion and Stress Level? – A Pilot Study in High-density Cities

Xiang Luyao / PhD

The research focuses on the relationship between building environment and pedestrian psychological experience (emotion and stress at this stage). The experiment will be conducted in high-density cities, and the result will solve the questions as follows: 1) Will residents in high-density cities mentally recover more from man-made gardens than the urban environment? 2) What characteristics of environment are helpful for creating positive psychological experiences? And how do these characteristics work? 3) Whether the physical environment parameters, such as air temperature, humidity, wind velocity, solar radiation, sound and daylight, will affect emotion and stress? And how?

supervisor: Edward Ng

Narrative-based Design Pedagogy in China's Architectural Education: Its Transplantation, Characteristics and Impact

Xu Liang / PhD

Narrative-based design pedagogy, with a strong imprint of literature and cinematography, and an emphasis on events and spaces, has been widely promoted in architectural education since the 1970s. This study aims to explore the pedagogy by investigating its methodological sources and mapping out its transplantation in China in the past three decades, and then to provide a critical reflection of China's contemporary architectural education.

supervisor: Gu Daqing

Modernizing Log Construction System: A Study on Building Technology Advancement and Relevant Design Strategy

Zhao Yan / PhD

Systematic research on log construction advancement resulting from technological improvement cannot be easily found in architectural field. Therefore, the thesis chooses contemporary log building system as a research subject. A pilot research has collected contemporary log construction cases and made analyses on selected cases, in which traditional knowledge is well blended into modern technologies. Through literature review, physical modeling and digital modeling, relevant design methods are uncovered and classified.

supervisor: Zhu Jingxiang

Incoming PhD Students 2018-19

Choi Sze Ho, Jack *BEnvD, MArch UWA*	*Supervisors:* *Peter Ferretto and TBC*
Rico Diedering *BSc BTU,* *MArch Tongji, MSc TU Berlin*	*Supervisor:* *Zhu Jingxiang*
Liu Yan *BA NJFU, MA Sheffield*	*Supervisor:* *Stanislaus Fung*
Shen Qi *BA Qingdao UT, MA Sheffield*	*Supervisor:* *Stanislaus Fung*
Yiu Hoi Lam, Melody *BA UT Arlington, MArch UPC,* *Exec MSc in Cities LSE*	*Supervisors:* *Hendrik Tieben and* *Francesco Rossini*
Zhai Yukun *BArch, MArch BUCEA*	*Supervisor:* *Zhu Jingxiang*
Zhang Xiaojun *BArch SCUT,* *MArch Michigan*	*Supervisors:* *Peter Ferretto and TBC*

Faculty

Full Time Faculty

Nelson Chen	*Professor of Practice in Architecture, Director, School of Architecture*
Kelly Chow	*Professional Consultant*
Thomas Chung	*Associate Professor*
Kristof Crolla	*Assistant Professor*
David Dernie	*Professor*
Peter Ferretto	*Associate Professor*
Adam Fingrut	*Assistant Professor*
Stanislaus Fung	*Associate Professor*
Gu Daqing	*Professor*
Han Man	*Lecturer*
Patrick Hwang	*Professional Consultant*
Clover Lee	*Assistant Professor (fractional)*
Bruce Lonnman	*Professional Consultant*
Mo Kar Him	*Lecturer*
Edward Ng	*Yao Ling Sun Professor of Architecture*
Francesco Rossini	*Assistant Professor*
Hendrik Tieben	*Associate Professor*
Tsou Jin Yeu	*Professor*
Jeroen van Ameijde	*Assistant Professor*
Zhu Jingxiang	*Associate Professor*

Part-Time Faculty

Brian Anderson	*Adjunct Associate Professor*
Nobuo Aoki	*Adjunct Professor*
Essy Baniassad	*Adjunct Professor*
Christopher Bene	*Adjunct Associate Professor*
Billy Chan	*Adjunct Assistant Professor*
Florence Chan	*Adjunct Assistant Professor*
Sujata Govada	*Adjunct Associate Professor*
Ho Puay Peng	*Adjunct Professor*
Simon Hsu	*Adjunct Associate Professor*
Iris Hwang	*Adjunct Assistant Professor*
Sebastian Law	*Adjunct Professor*
Bernard Lim	*Adjunct Professor*
Doreen Liu	*Adjunct Associate Professor*
Francesca Madeo	*Adjunct Associate Professor*
Sarah Mui	*Adjunct Assistant Professor*
Daniel Pätzold	*Adjunct Associate Professor*
Darren Snow	*Adjunct Assistant Professor*
Nuno Soares	*Adjunct Assistant Professor*
Paul Tse	*Adjunct Assistant Professor*
Casey Wang	*Adjunct Assistant Professor*
Caroline Wüthrich	*Adjunct Assistant Professor*
Xu Subin	*Adjunct Professor*
Yutaka Yano	*Adjunct Assistant Professor*
Alfred Yeung	*Adjunct Associate Prorfessor*
Yuet Tsang-Chi	*Adjunct Associate Professor*

Emeritus and Honorary Professors

Heng Chye Kiang	*Honorary Professor*
Tunney Lee	*Emeritus Professor*
Ronald Lu	*Honorary Professor*
Peter Rowe	*Honorary Professor*
Rocco Yim	*Honorary Professor*

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name	position	company/institution
Earle Briggs	Director	Revery Architecture
Kenneth Chau	Managing Director	CYS Associates
Donald Choi	Director	Chinachem Group
Paul Collins	Managing Director	HOK Asia
David Dernie	Former Dean	U Westminster
Raymond Fung	Honorary Architect	CUHK
Fung Siu Man	Director	CUHK CDO
Ted Givens	Design Partner	10 Design
Heng Chye Kiang	Former Dean	NUS Architecture
Belinda Ho	Director	MUSA
Eric Howeler	Assistant Professor	Harvard GSD
Tristance Kee	Associate Professor	THEI Faculty of Design
Christopher Law	Founding Director	The Oval Partnership
Joan Leung	Director	Lotus Architects
William Liu	Director	ARK Associates
Ronald Lu	Founder/Chairman	Ronald Lu & Partners
Francesca Madeo	Associate	Inhabit Asia
Michael Ng	Director	Foster + Partners
Angela Pang	Principal	Pang Architect
James Saywell	Editor	Hinge Magazine
Jeroen van Ameijde	Unit Master	AA, UCL
Casey Wang	Founding Partner	BLEND Architecture
Barry Will	Executive Director	WCWP International
Rocco Yim	Principal	Rocco Design


eric howeler


belinda ho


francesca madeo


james saywell


joan leung


rocco yim


barry will


michael ng

Public Lectures 2017-18

speaker	date
Zhang Ming *Essay and Architecture*	26.10
Thomas Chee, Kristof Crolla, Adam Fingrut, Emidio Piermarini and Paul Tse *CUHK Design Entries to WKCDA Temporary Pavilion Competition*	02.11
Mireia Massagué and Pere Jordi Figuerola Rotger *Walking with Gaudí: Slow Architecture*	09.11
Jeroen van Ameijde *Deep Planning*	26.02
Nader Tehrani *The Tectonic Grain*	12.03
Fumihiko Maki *Towards Humane Architecture*	15.03


fumihiko maki


nader tehrani


mireia massagué


pere jordi figuerola rotger


zhang ming


paul tse


emidio piermarini


thomas chee

Events 2017-18

event	date
Kinoshita Lecture	
Fumihiko Maki Towards Humane Architecture	15.03.2017
Conference	
10th IFoU Conference – The Entrepreneurial City	14-16.12.2017
Field Trips	
Manila	30.8-03.09.2017 31.05-08.06.2018
Guangzhou	26-29.09.2017
Kaiping & Guangzhou	01-05.12.2017
Suzhou	28.12.2017-04.01.2018 21-29.06.2018
Zhuhai	12.01.2018 14-16.03.2018
Singapore	23-26.02.2018
Dongguan & Shenzhen	09.03.2018
London	01-08.07.2018
Hunan	14-24.07.2018
Collaborative Studios	
Tunghai University Collaboration with Patrick Hwang	26.09-01.10.2017
Columbia University Collaboration with Francesco Rossini	29.04-05.05.2018
The Cooper Union Collaboration with Doreen Liu	02-09.05.2018
National Cheng Kung University Collaboration with Patrick Hwang	11-18.05.2018

event	date
Exhibitions	
By-City / By-Product – Seoul Biennale of Architecture and Urbanism 2017	02.09-05.11.2017
Liveability by Design Studio Exhibition	18-29.09.2017
CUAAA Award Exhibition Lam Wai Hon, Joshua	30.10-03.11.2017
2017 Bi-City Biennale of Urbanism\Architecture (Hong Kong)	12.12.2017-11.02.2018
2017 Bi-City Biennale of Urbanism\ Architecture (Shenzhen)	12.12.2017-15.03.2018
End-of-Term Exhibition (Term 1)	15.12.2017-12.01.2018
L&O Travel Scholarship Exhibition Chan Cheuk Kiu, Jefferson Leung Man Chong, Larrisa	08-12.01.2018
End-of-Term Exhibition (Term 2)	01.05-08.06.2018
Hong Kong Pavilion at Venice Architectural Biennale 2018	26.05-25.11.2018
2018 MArch Graduation Show XXII	01-24.06.2018
Hong Kong Urban Alternatives Selected MArch Thesis Projects	29.06-08.07.2018
International Exhibition of Architecture Graduation Design (IEAGD), Taiwan Leong On U, Derrick	21.07-30.09.2018
“Book Tree” Project in Mei Foo	11.08-15.09.2018






Summer Activities 2018

Mapping the Informality, Summer Workshop in Manila
Francesco Rossini
Manila *1 - 9 June*

The course offered an intensive learning experience by combining field studies and a design exercise. It used the informal city as a living laboratory for trying new ideas of upgrading and design solutions for low-income districts. By exploring a series of incremental interventions, students learned about the different characteristics and issues that distinguish the urban structure of the informal settlements. The knowledge of the urban environment through the upgrading approach represents a key aspect in which students could come to understand just how important minor improvements could mean for the local community.

The outcome, based on the students' analysis, included the identification of potential projects to improve the condition of low-income neighbourhoods through a collection of community facilities. They could include kindergarten, educational center, library, playground or projects based on the regeneration and implementation of open spaces. This workshop was organized in collaboration with the University of Santo Tomas in Manila and the National University of Singapore.

Topical Studies in Design Theory: Suzhou Gardens
Stanislaus Fung
Suzhou, China *21 - 29 June*

This course is focused on the study of major gardens in Suzhou and draws on resources and perspectives derived from architectural history and theory, landscape theory, Chinese studies, comparative philosophy and social psychology. The gardens studied in this course are not understood in terms of a binary opposition of "house" and "garden". Suzhou gardens are highly architectural settings in which manipulated topography and rockeries, plantings, and buildings and covered galleries are brought into close juxtaposition. In this context, "garden" is not an open landscaped area next to a "house"; rather, "garden" is a spatially dynamic zone in which architectural elements provide vantage points and some of the circulation routes.

ACU Summer School 2018
Hendrik Tieben
School of Architecture, CUHK *1 - 09 July*

Hosted by the School of Architecture and Department of Geography and Resource Management, ACU Summer School 2018 brought together more than 40 students representing 16 nationalities from the Association of Commonwealth Universities (ACU) for a week of expert lectures, field trips, social events and group work on designing and creating sustainable communities.

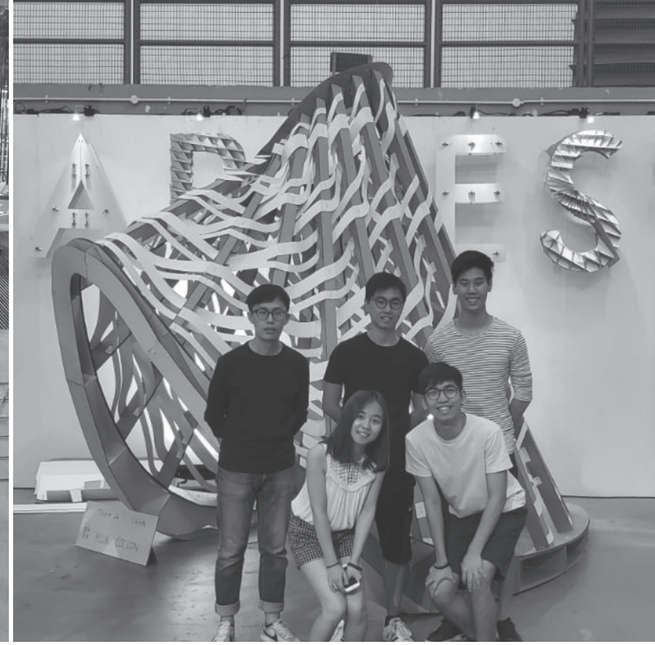
Through workshops and local case studies of Sai Ying Pun, Blue House, Mapopo Community Farm and Tin Shui Wai, the Summer School introduced to participants basic sustainability planning and design techniques, aiming to train future leaders with abilities to diagnose urban issues from multiple perspectives and to work collaboratively towards creative and sustainable solutions.

International Fabrication Festival 2018
Adam Fingrut
U Westminster, London *2 - 10 July*

A teams of five CUHK students travelled to London where they assembled a pavilion made from cardboard and other recyclable materials for the University of Westminster's third annual FabFest (International Fabrication Festival). The pavilion was first developed as part of a summer elective course led by Prof. Adam Fingrut at CUHK. The project incorporated computational problem solving approaches and fabrication workflows to achieve the overall design of an original and innovative structure. Throughout the course, students were introduced to digital modeling, physics simulators and prototyping tools currently available in the Digital Fabrication Lab at our school. Students were highly encouraged to take an iterative approach towards prototyping at a variety of scales. For the third year in a row, CUHK architecture students were awarded a top prize at the event. The study trip provided a valuable opportunity for our students to learn from counterparts abroad, collaborate on design projects, and experience great architecture in London.

CONDITION/HOUSE
Prototype Solutions for a New Timber House in Rural China.
Peter Ferretto
Gaobu, Hunan, China *14 - 24 July*

The aim of the workshop was to develop an alternative and sustainable strategy to regenerate Dong minority villages in China via architectural prototypes that responded to contemporary rural developments and caused minimum impact to the existing fabric of the villages. Following the previous two year's summer electives, we have identified one



specific issue that addresses the complexity of the present Dong settlement, namely: "Adapting the Domestic Dong House" that will allow us to propose a series of innovative architectural prototypes that can contribute to the village becoming a socially and ecologically sustainable model in the future.

CUHK Summer Institute 2018

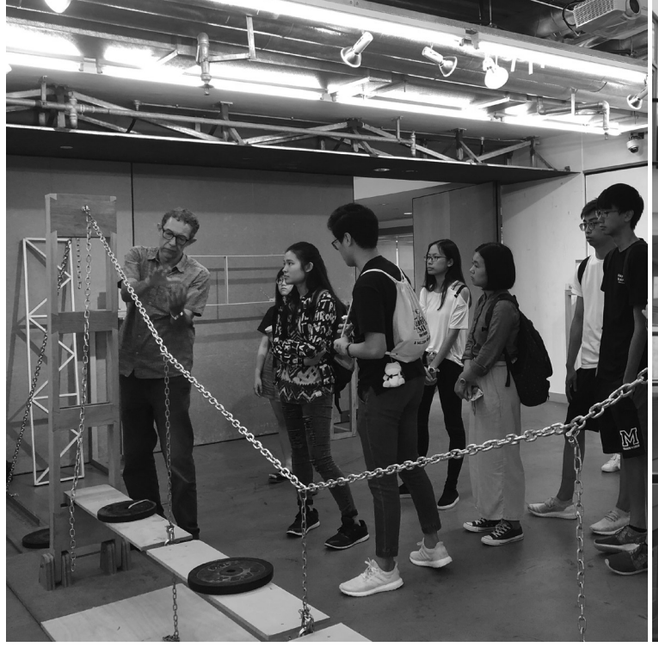
Bruce Lonnman
School of Architecture, CUHK *16 - 24 July*

Structure in Architecture was a module that introduced secondary school students to structural concepts, processes and aesthetics in architecture. Lectures presented an overview of how structure and architecture are mutually dependent. In-class activities engaged students in structural model building and testing to better understand how structures work and how they are designed. A field trip visited two works of architecture in Hong Kong by Pritzker Prize recipients, Norman Foster and Zaha Hadid, whose contemporary buildings contrast in style and form.

Architecture Explorer Programme

Patrick Hwang
School of Architecture, CUHK *16 - 28 July*

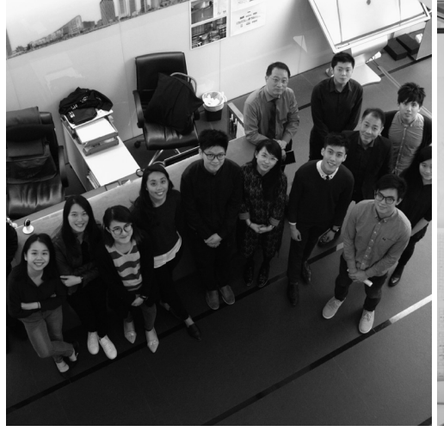
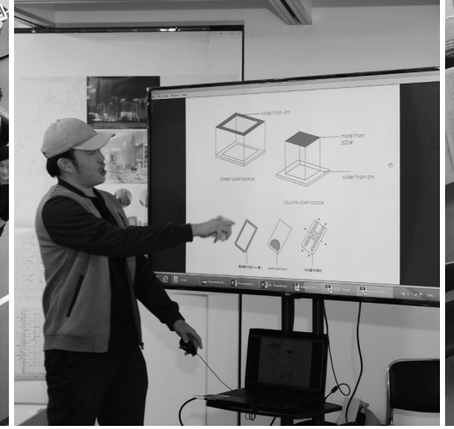
The summer Architecture Explorer Programme enabled secondary school students to explore both the joy and challenge of studying architecture and provided an opportunity for them to unleash their creative potential through art, design and architecture. During the two-week summer programme, students were exposed to architecture by participating in lectures and exploring the fun of design-making by transforming a concept into three dimensional spaces through both hand tools and computing software used by architects. Students also experienced architecture through guided field trips to significant local buildings and professional architectural offices. Periodic "design reviews" were scheduled where students presented their work to the class. These reviews provided opportunities for feedback and advice from other classmates, invited design professionals and the programme instructors.



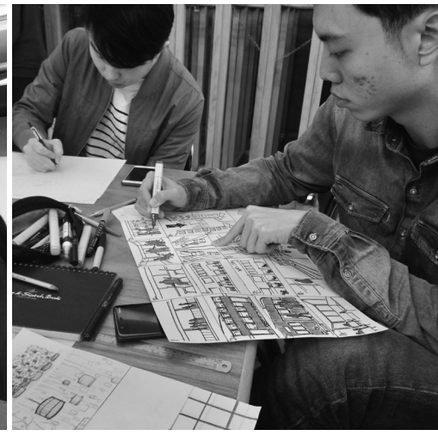
Student Exchanges 2018-19

Exchange Programme	Outgoing	Incoming
Partner University		
Delft University of Technology*	TBC	Amelie Anastasia Donia de Guerre
Graz University of Technology	TBC	Anca-Cristina Mosut
National University of Singapore	Chan Yin Tat, Kurt	TBC
	Wong Ka Hei, Kimberley	
Politecnico di Milano	TBC	Francesca Cosenza
Politecnico di Torino*	TBC	TBC
University of Applied Sciences, Stuttgart	Tam Ka Yue, Krystal	TBC
University of Cambridge	Cheung Kat Fu, Eric	Patricia Mato Mora
	Yau Chun Yin, Luke	Tam Wing Yan, Alana
University of Westminster	Chan Log Yi, Theean	TBC
	Tsang Yuen Yan, Sabrina	
University-wide Exchange		
Kyoto University	Tang Hiu Ching, Coco	
University of Sussex	Chen Lok Ching, Vanessa	
University of Tsukuba	Lam Cheung Ha	

** New student exchange programme at postgraduate level commencing AY 2018-19. Incoming and outgoing students to be confirmed in Term 1.*






Awards and Scholarships 2017-18

Awards	Recipients	Year
A&D Trophy Awards 2017 (Hong Kong) Best of Category, Student / Architecture	Chiang Ethan	BSSc Y3
AIA Hong Kong Scholastic Award	Cheng Wai Tat, Justin	BSSc Y4
Asian Contest of Architectural Rookie's Award	Zhao Hui	BSSc Y4
Asian Contest of Architectural Rookie's Award - Best Freshman Prize	He Haoyu, Howard	BSSc Y3
Clifford Wong Prize in Housing Design	Tang Wan Ting, Wendy	MArch 1
CUAAA Award	Cheung Kat Fu, Eric	MArch 1
CUHK CAADRIA Student Award	Chan Tik Chun, Zion	MArch 2
CUHK CAADRIA Student Award - Commendation	Yeh Yi Hsin	MArch 1
Disney ImagiNations Hong Kong Design Competition 2017	Ha Chui Ying, Gloria	MArch 2
HKIA Student Medal	Leong On U, Derrick	MArch 2
Hong Kong Housing Society Award	Lee Hiu Yeung, Jacky	BSSc Y3
	Wong Lok Yin, Dannia	BSSc Y4
ICS Mok Hing Cheong PGD Scholarship	Chen Yongming	RPg
RIBA President's Medal Award Nominees		
Silver Medal	Leong On U, Derrick	MArch 2
	Lam Man Yan, Milly	MArch 2
Bronze Medal	Cheng Wai Tat, Justin	BSSc Y4
	Li Alex, Kelvin	BSSc Y4
Dissertation Medal	Lam Wai Hon, Joshua	MArch 2
Society of Construction Law HK Prize	Lam Wai Hon, Joshua	MArch 2
	Ngai Hiu Fung, Hyman	MArch 2
World Architecture Festival (WAF) – Top Award, World Building of the Year 2017	Chi Xinan With Edward Ng, Wan Li, Emily So (Cambridge), Bai Wenfeng (KMUST)	RPg

Awards	Recipients	Year
School of Architecture Best Design Studio Awards:		
U1 Design Studio	Tang Hiu Ching, Coco	BSSc Y2
U2 Design Studio	Tang, Robert Alfred	BSSc Y2
	Yeung Lok Him, Thomas	BSSc Y2
U3 Design Studio	He Haoyu, Howard	BSSc Y3
U4 Design Studio	Cheung Yan Ling, Venus	BSSc Y3
U5 Design Studio	Leung Man Chong, Larissa	BSSc Y4
U6 Design Studio	Cheng Wai Tat, Justin	BSSc Y4
M1 Design Studio (Term 1)	Wong Ching Nam, Carol	MArch 1
M1 Design Studio (Term 2)	Cheung Kat Fu, Eric	MArch 1
M2 Thesis Project	Leong On U, Derrick	MArch 2
U6 Studio Awards:		
Best Drawing	Chan Tsz Sun, Ovan	BSSc Y4
	Lin Ka Kiu, Mathew	BSSc Y4
	Ng Wai Ting, Tiffany	BSSc Y4
	Bai Xue, Brenda	BSSc Y4
Best Model	Chan Kai Ying, Claudia	BSSc Y4
	Ip Kwok Hei, Gloria	BSSc Y4
	Keung Shing Fung, Adwin	BSSc Y4

Awards (Alumni)	Recipients	Year
Cross-Straits Architecture Competition for Graduation Projects 2017	Lam Kin Kwan, Kenji	MArch (2017)
Disney ImagiNations Hong Kong Design Competition 2017	Lun Ka Hei, Ruth	MArch (2017)
Wan Chai Community Green Station (CGS) Design Ideas Competition 2018	Lee Hau Pan, Wilson	MArch (2003)
	Yiu Kam Po, Vince	MArch (2010)
	Ma Ka Ki, Vickie	MArch (2016)

Scholarships	Recipients	Year
Cornerstone International Training Programme	Wong Lok Yin, Dannia Yoon Solhae	BSSc Y4 BSSc Y4
Formica Scholarship	Lee Hiu Yeung, Jacky	BSSc Y3
L&O Travel Scholarship for Design Innovation	Cheung Yan Ling, Venus Chiang Ethan	BSSc Y3 BSSc Y3
Professor Joseph J.Y. Sung Scholarship	Ng Wing Sze, Lily	BSSc Y2
Professor Raymond Fung Scholarship	Tang Wan Ting, Wendy	MArch 1
P&T Travel Scholarship	Tang Wan Ting, Wendy	MArch 1
School Leadership and Service Award	Kwok Nga Lam, Karen Lau Kin Keung, Jason	MArch 2 MArch 2
Talent Development Scholarship	Cheung Yan Ling, Venus Ethan Chiang Yiu Chi Ho, Kenny	BSSc Y3 BSSc Y3 MArch 1
Wharf ArchDesign Resource Trust, Architectural Design Internship	Leong On U, Derrick Yue Ka Hin, Jasmine	MArch 2 MArch 2
Wong Tung & Partners Scholarship	Lam Wai Hon, Joshua Leong On U, Derrick	MArch 2 MArch 2

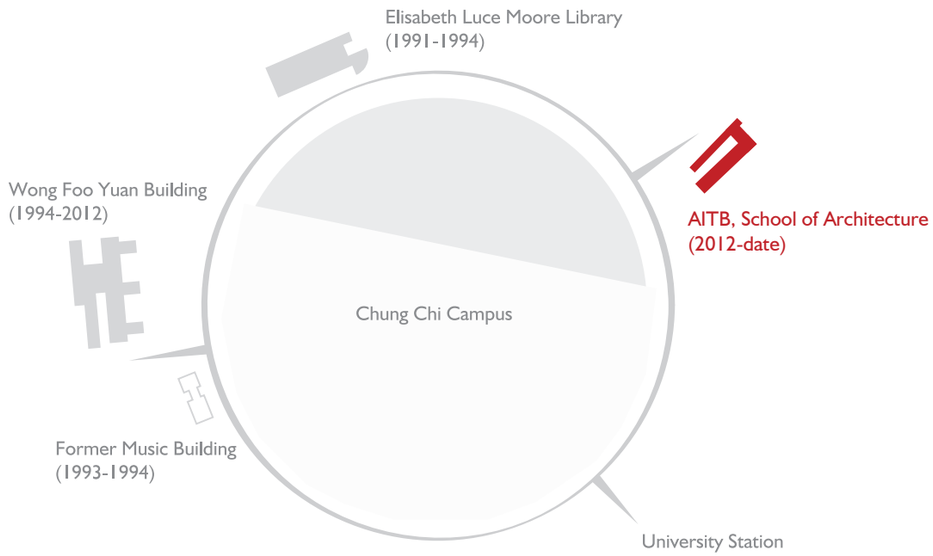








Location



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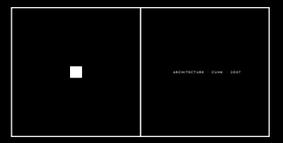

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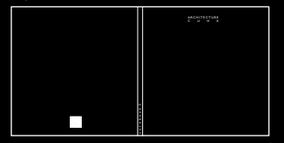

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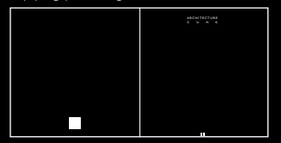

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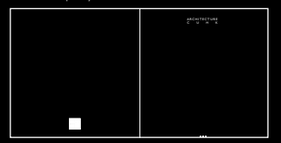

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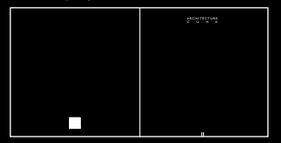

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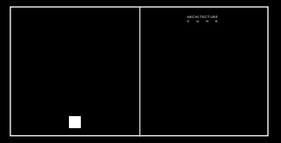

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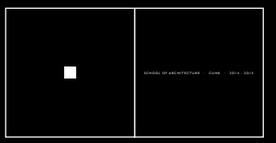

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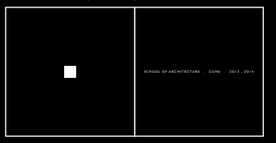

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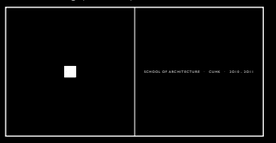

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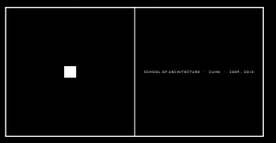

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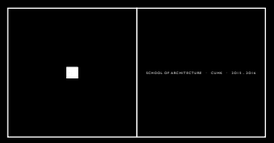

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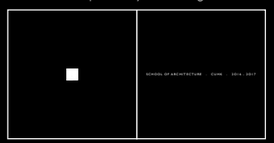

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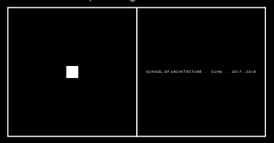

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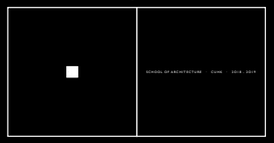

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