SCHOOL OF ARCHITECTURE · CUHK · 2019 - 2020

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Message from the Director

Our cities and our natural environments face unprecedented challenges. Yesterday's patterns of development do not fit the century ahead and yesterday's models for educating architects are outdated. Against a backdrop of rapid urban growth and a deepening crisis of the natural world, the ambition of the School of Architecture is to innovate architectural education – to educate tomorrow's architects.

Embedded in the Faculty of Social Science, the School of Architecture nurtures cross-disciplinary design thinking and its application in the societies of our region. Its Architecture and Urbanism programmes share a focus on environmental and social responsibility. Research-led and design-oriented, our work is grounded in the historical and cultural contexts of East Asia. We celebrate the relationship between design practice and the histories, environments, traditions and technologies of the places we work. Our creative practices celebrate East Asia's regions, their diverse cultures, transforming landscapes and burgeoning cities: our studio culture focuses on application to and influence on these places and peoples.

Our School of Architecture sits at the threshold of mainland China and in one of the world's most wonderful cities. Density, spatial, energy and environmental innovation in the Greater Bay Area are set to be globally leading and we are uniquely positioned to contribute to a transformational programme of regeneration. Our classroom is the world's most exciting urban network.

Our graduates must have the capacity to think through, but also beyond the design of "buildings", to enter a world of design and spatial practice that addresses the complex environmental and urban challenges head on. To that end, the School embraces the multiplicity of disciplines and complexity of application inherent to the profession: it nurtures an open, pluralistic environment.

Above all, I want our graduates to be independent, agile thinkers, habitually experimental and relentlessly rigorous. They are creative people who can synthesise complex problems with a high degree of technical expertise. They are practical, articulate – team players, driven by an ethical commitment and a sense of social responsibility, educated to lead the design professions in the societal contexts of the region.

David Dernie
Director and Professor of Architecture
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 urbanisation processes and various strands of urbanism. It is jointly organised 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 organised 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

2019-20 Term 1

week	event	date
1	First teaching day / All school meeting	02.09 M
2		09.09 M
	Day following Mid Autumn Festival	14.09 Sa
3		16.09 M
4		23.09 M
5		30.09 M
	National Day	01.10 Tu
6	Chung Yeung Festival	07.10 M
7		14.10 M
8		21.10 M
9		28.10 M
10		04.11 M
11	Course evaluation week	11.11 M
12		18.11 M
13		25.11 M
	Final review week (BSSc)	27.11 W
14		02.12 M
	Final review week (MArch / MSc)	04.12 W
	Examination period begins	
15		09.12 M
	Portfolio submission	13.12 F

2019-20 Term 2

week	event	date
1	First teaching day	06.01 M
2		13.01 M
3		20.01 M
	Lunar New Year holiday begins	25.01 Sa
4		27.01 M
	Lunar New Year holiday ends	02.02 Su
5		03.02 M
6		10.02 M
7		17.02 M
8		24.02 M
9		02.03 M
10		09.03 M
11		16.03 M
12	Course evaluation week	23.03 M
13	Reading week begins	30.03 M
	Reading week ends	03.04 F
	Ching Ming Festival	04.04 Sa
14		06.04 M
	Easter holiday begins	10.04 F
15	Easter holiday ends	13.04 M
	Final review week (BSSc)	15.04 W
16		20.04 M
	Final review week (MArch / MSc)	22.04 W
	Examination period begins	
17		27.04 M
	Portfolio submission	29.04 W

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 organisation) 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	

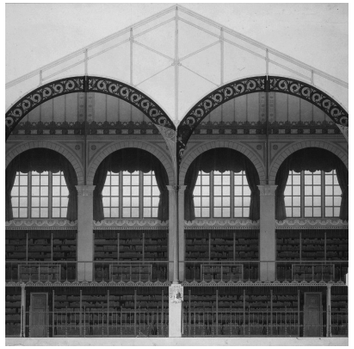
Studio U1

DESIGN STUDIO

issue | tool

Foundation arch 2111

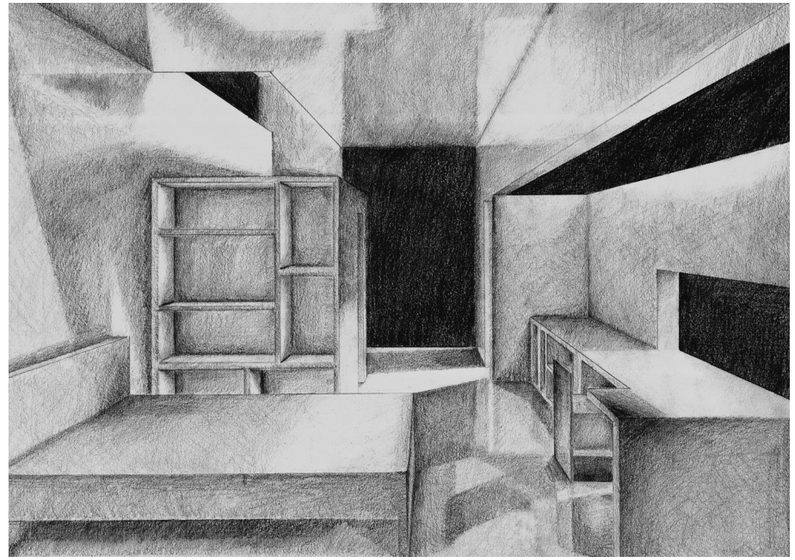
Kelly Chow / Han Man / Caroline Wüthrich / Xu Liang



The first year deals with the fundamental structure of the programme, its concepts and requisite methods and skills. It provides the ground for later, more advanced and focused studies.

The programme curriculum consists of several courses, each of which can be regarded as a different approach to the study of the same subject – ARCHITECTURE. These courses – building technology, representation, history + theory, and design – are interrelated. In this sense, the richness of architecture comes from the possible relationships between any of the approaches; they do not operate independently of one another, although it is possible to discuss them separately.

Introduction to Architectural Design I (arch 2111) is the first in a series of studio courses focused on architectural design. The aim of the course is to introduce the fundamentals of architectural design with projects focused on elementary architectural forms. The focus is the ROOM – as the fundamental unit of architecture – in the context of the LAND and the CITY. The approach taken is "Learning to See" architecture. Studies include analyses of urban fabrics, case studies and exercises in design.



hung kwong lau

REQUIRED COURSES

Introduction to Architecture

arch 1001 Bruce Lonnman / Xu Liang 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 emphasising the basic elements and principles of architectural composition.

Graphics and Visual Studies

arch 2221 Han Man / Xu Liang 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 Han Man / Xu Liang t1

The intent of the course is to introduce architecture and its scope and structure as a formal subject. 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: space, habitation, construction and urbanisation.

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

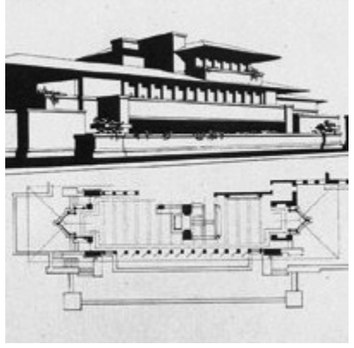
Studio U2

DESIGN STUDIO

process | method

Tectonics, Space, Design arch 2112

Kelly Chow / Han Man / Caroline Wüthrich / Xu Liang



The HOUSE is the fundamental form in architecture, as the family is the fundamental form in society. It is the seminal form that accommodates places of gathering, work, and solitude. Some forms, such as rooms, are contained within the house; other forms, such as public buildings, are extended from it. In other words, as a subject of study, the HOUSE, as it is commonly understood – the house for a family – may serve as a basis for a metaphorical understanding – the house for significant communal institutions. One can see the whole universe of architectural forms as the product of a complex and intricate growth from the house to the city. The house is the "ground cover" of the city, and in a sense it makes the city and is made by the city.

Introduction to Architectural Design II (arch 2112) is the second in a series of studio courses focused on architectural design. It builds on the previous studio – arch2111 – where the focus of study was the ROOM in architecture. The focus of this studio is HOUSE. A house can be regarded as an assembly of rooms. It can be studied – and designed – as a form consisting of a number of parts – each one a ROOM – related to one another. The number and relationship of the ROOMS vary with circumstances, but the nature of the house remains the same – an assembly of ROOMS.

wong ho yuen

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 institutionalisation of architecture, and (4) modernisation 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 emphasised. 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 urbanised 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 Han Man t2

This course provides an overview of architecture as a cultural phenomenon and teaches a framework of experiencing architecture with the aim to increase students' awareness of and ability to understand the built environment as it exists locally and in the global context. A framework/method about how to experience architecture will be taught, particularly including basic skills of sketching and photographing.

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

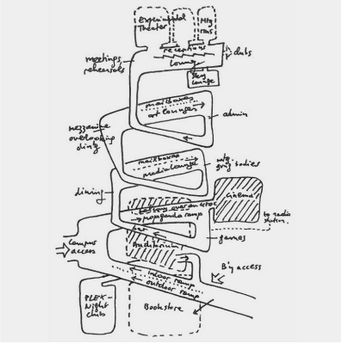
Studio U3

DESIGN STUDIO

use | programme

Programme and Use arch 3113

Simon Hsu / Brian Anderson / Florence Chan / Paul Tse



"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 organisation.

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

Emphasising the role of structure in architecture, the course is organised 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*.

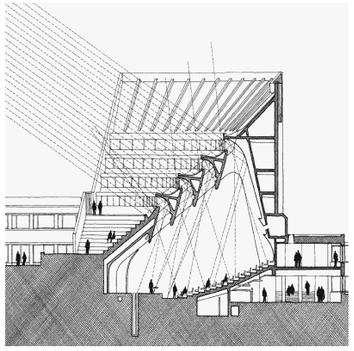
robert alfred tang

Studio U4

DESIGN STUDIO

force | performance

Structure & Passive Environmental Design arch 3114



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 summarised 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 institutionalisation of architecture, and (4) the relationship between architecture and engineering since the 19th century.

Building Technology III (Environmental Technology)

arch 3424 Edward Ng t2

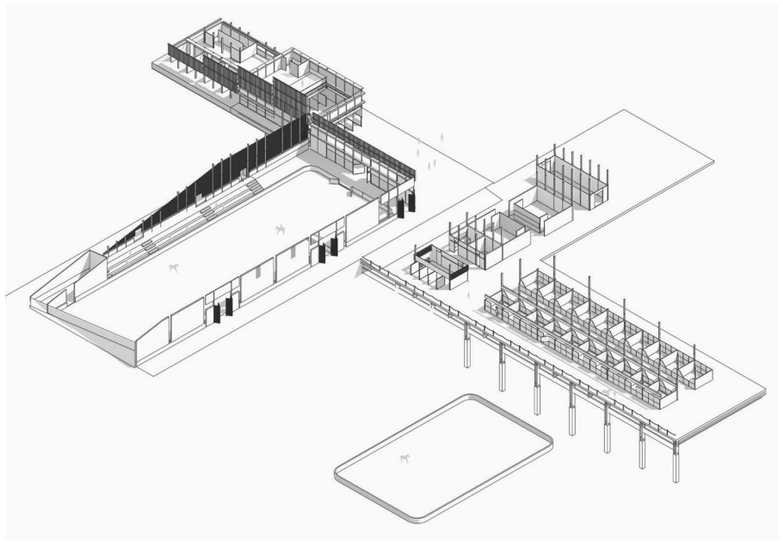
Introduces the fundamental concepts of passive environmental design. Examines the effect on buildings and their occupants of environmental conditions of light, temperature, air movement, and sound. Case studies are used to reviews both traditional and current approaches of representative building types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

Bruce Lonnman / Christopher Bene / Francesca Madeo / Yutaka Yano



chan hiu wai, kary

Studio U5

DESIGN STUDIO

place | context

Place Making and Contextual Response arch 4115

Francesco Rossini / Sebastian Law / Mo Kar Him / TC Yuet

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.

Similar to other metropolises around the world, Hong Kong faces the challenge of unaffordable housing. In this residential market dominated by economic interest, the studio aims to reflect on the challenge to design new typologies of collective housing by developing alternative urban forms and providing a socially sustainable living model. The students will explore alternative and socially sustainable urban forms of living, combining a mix of different residential units for short and long-term rental to accommodate the diverse needs of the population.

Dwellings for young professionals, small families, tourists, but also transitional accommodations for people who are waiting to be allocated in public housing.

The opportunity of sharing, the mixing of household types and uses, and the blurring of physical boundaries between private, shared and public space are the objectives to re-define different approaches to the urban regeneration of old areas of the city. The four sections of the studio will explore how the same strategy could be adapted to different areas located in Hong Kong Island. The studio will be in collaboration with the courses of "Architectural Design + Studio" and "Sustainable Building Technologies + Studio" of Politecnico di Milano.

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

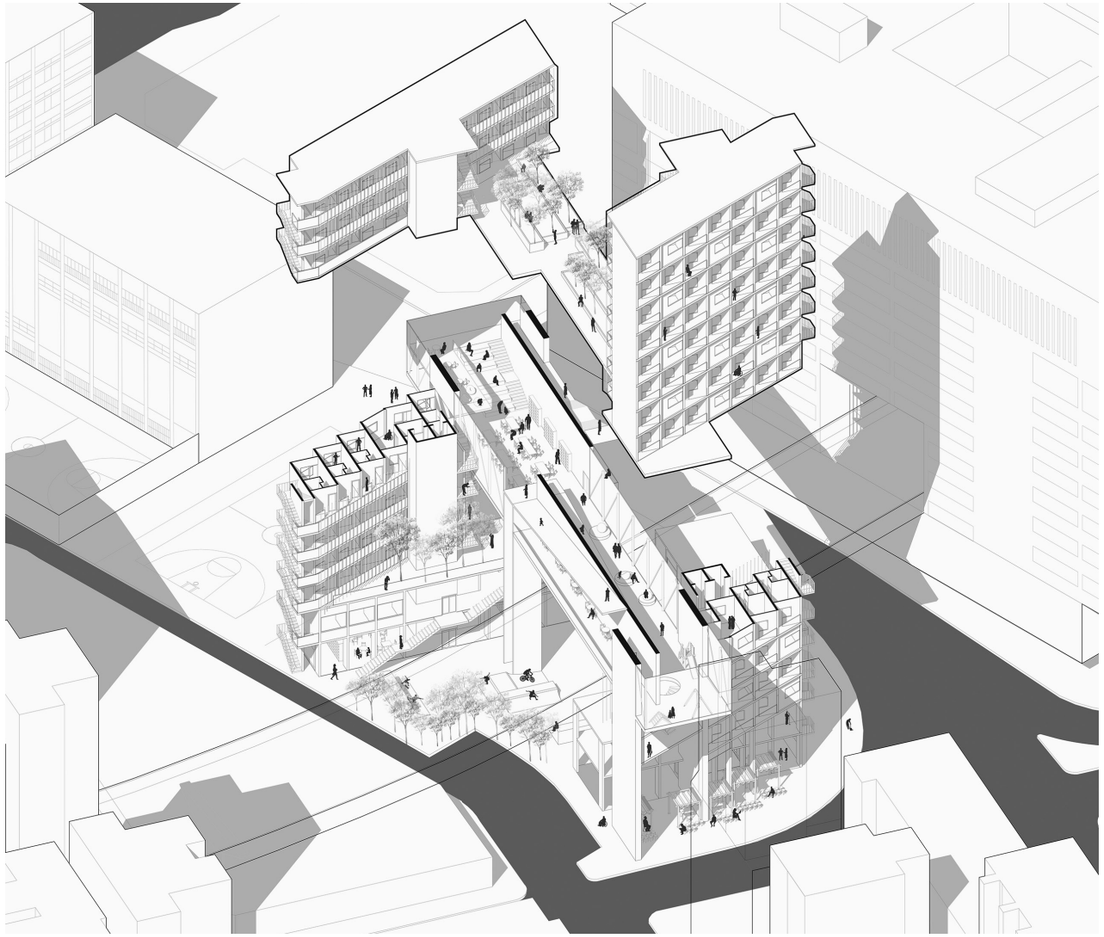
arch 4721 Essy Baniassad t1

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.*



he haoyu, howard

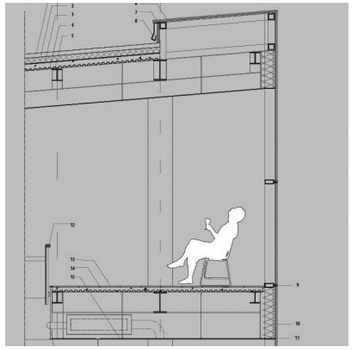
Studio U6

DESIGN STUDIO

project | articulation

Comprehensive Building Design arch 4116

Brian Anderson / Chi-yan Chan / Simon Hsu / Sebastian Law



Architecture is the product of a fully integrated set of discrete but related parts in which spaces, forms, systems and components are arranged to create a coherent synthesis. The design of a building addresses all aspects of architecture – from site to programme, from structure to materiality, from regulation to form. The Comprehensive Design Studio explores how to focus on an aspect – in this case, the building envelope, without loss of rigour in all other areas. In fact, this emphasis on building envelope design can enable a better understanding of design across a wide range of issues. Structural systems, environmental systems, spatial relationships and form will be systematically addressed in the development of a whole-term design project. The studio project is a multi-programme building in the sub-urban context, requiring careful consideration of access and exchanges (circulatory, visual and environmental) between programmes.

The objective of the U6 studio is to design a building that demonstrates an understanding of the interdependence of various systems and explores the relationships that lead to meaningful expression and clarity of form and space. Four principal building systems are considered: structure, environment (light, air quality, weather resistance and sewage disposal), spatial relationships and form. Arguably, these all come together in the external wall section, which therefore demands 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 the structure and skin separate and independent. The wall also acts as a boundary, with 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

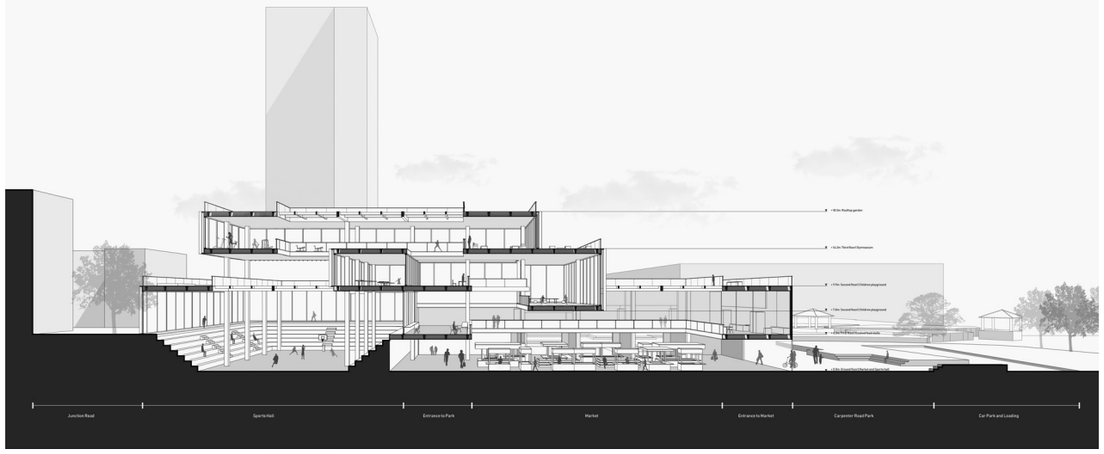
arch 4531 Mona Yeung t2

This course provides students with a basic understanding of the architect's role in building design and construction process, equips them with the ability to identify different types of architectural practices, the process of designing buildings from conception to completion, and the basic concept of statutory and non-statutory control on building design and practical aspects of building construction.

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.*



chau ka yee, alice

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 organised 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 emphasise 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 synthesises the knowledge gained into a design of architectural implication and form. The design itself should be comprehensive in scope and detailed in execution.

MArch 1 building technology and sustainable design

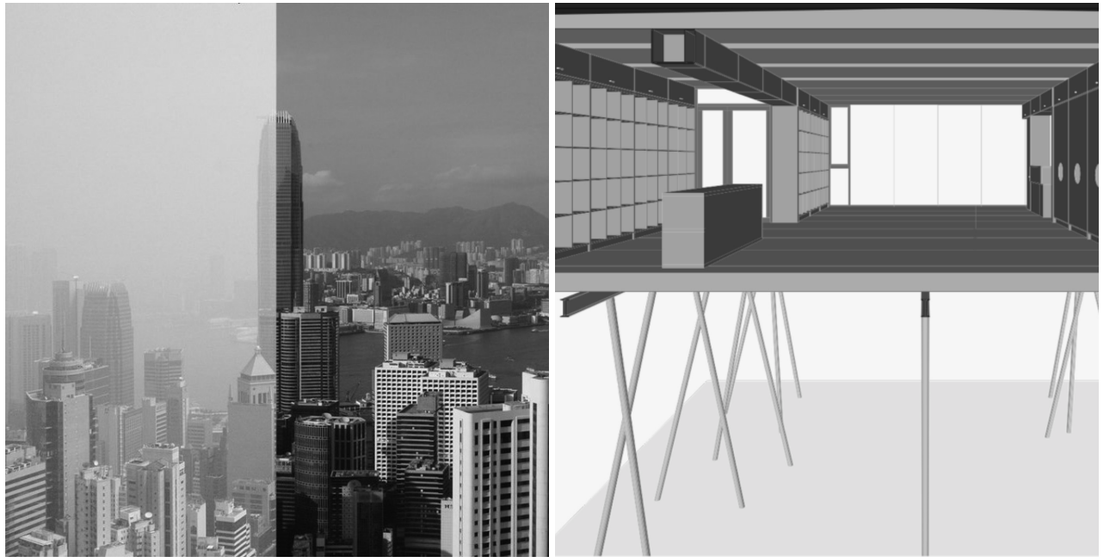
DESIGN STUDIO

G1 David Dernie *t1*
Cave: Clean Air in Vertical Environments

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. Traditionally, architecture had its foundation in its relationship to the natural world, and in day-to-day life of the places it shaped. But now the natural environments on which the city intrinsically depends are at breaking point, with irreversible changes to the ecosystems becoming ever more inevitable. Last semester, this studio explored the relationship between the built and natural environments through the lens of urban waste and more specifically on plastic waste. One of the outcomes of that work was the recognition of the vast quantities of methane produced by landfill operations. This year, we will be taking our concern for "regenerative design" forward and re-aligning our attention on gas waste and consequent air pollution: we will ask how architecture can integrate technologies and strategies that reduce the chemical, biological and physical pollutants in Hong Kong's air.

G2 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 proposals that are both feasible and affordably fascinating, for a place they are familiar with in Hong Kong, a city in Great Bay Area and/or a place in Southeast Asia.



from left to right: g1 air quality, hong kong; g2 lightweight structure.

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 synthesised 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 organisation logic. Design exercises on wall and beam will prepare students for an application of know-how in their studio work.

MArch I design methodology and practice

DESIGN STUDIO

G5 Peter Ferretto *t1*
Condition/Social Infrastructures: Redefining China's Middle Ground

The studio will work in the middle ground, a network of villages and small towns in Guangdong Province located around the village of He Xin Wu. Working in teams, students will develop new relationships between Social Infrastructures and Existing Networks. Starting by mapping a taxonomy of the territory's construction techniques, each team will develop a design for a social infrastructural building: Artisanal Workshop, Library, School, Market, Transportation Hub, Community Centre, Hospital, etc., that integrates with the local community. The Modus Operandi will be physical scaled models; the objective to define civic spaces through materials, structure and light while at the same time engaging with the environment (ecological, social, economic, historical). China's astonishing urbanisation project has forgotten and neglected this middle ground. Now we have an opportunity to propose and establish an integrated new vision.

G6 Doreen Liu *t2*
Urban Village, Water Infrastructure, Regeneration & Architecture Intervention

Qiaotou village is located in Baoan district in Shenzhen. From a traditional village in the Pearl River Delta to an industrial village after the reform and opening up, and an "urban village" today, the village has undergone some fundamental changes. Its uniqueness over the hundreds of years has disappeared – water canal, farmland, walking street. The village has become one among many other "generic cities" in the region. Under the new condition of infrastructural development – a new train station, an elevated mono-rail, an open canal covered with landscaping – the studio aims to use research-based design as a lens and an effective means to re-claim the difference and uniqueness of the PLACE, which is again becoming a living museum of urban anthropology.

from left to right: g5 study models for hexin wu renovation; g6 transformation of qiaotou

ELECTIVE COURSES

Small Dimension, Big Impact: Social Furniture for Community Cooperation and Learning
arch 5131a Patrick Hwang t1

This elective is sponsored by, and in collaboration with Pricerite and Sheng Kung Hui Welfare Council (SKWC). Prototypes of Social Furniture design will serve as an apparatus of collecting user feedback and for developing production-ready models for contributing to the needy families and towards eventual mass production in the market place.

The Beauty of Everyday Buildings: An Atlas of the Middle Ground Condition
arch 5131b Peter Ferretto t2

Inspired by Soetsu Yanagi's book *The Beauty of Everyday Things* (1933), this elective investigates how normal buildings are built, the default buildings no one talks about but we all use. We will compile an atlas of China's Middle Ground, the amalgamated territory that exists between rural villages and urban centres. Students will compile a book, a taxonomy of building typologies, following a material and tectonic analysis.

Material Imagination in Architecture
arch 5131c 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. It looks towards the poetics of materials, foregrounding a creative interpretation of material in its physical and cultural context, in other words a *relational understanding* of materials.

Principles and Practice of Building Codes
arch 5531 Mona Yeung t2

This course covers in detail all aspects of statutory control for the design, construction and completion of buildings in Hong Kong. The principles, practices and application of the building codes, including the Buildings Ordinance, Building Regulations, Codes of Practices and the Practice Notes for Authorized Persons will be extensively discussed and explained. Lectures will be supplemented with group discussions, case studies and class assignments.

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*
Discrete Elements Ground

This studio will explore the role of masonry as part of an architectural proposal. Masonry (brickworks) can be described as a collection of discrete and similar elements working together within a unified assembly. Students will develop an original architecture through the lenses of mass production, serialism, tool development, and automated construction. Students will develop an original workflow between digital and analogue media, establish an innovative response towards traditional approaches to design, fabrication and construction assembly. An integrated building programme relating to heritage revitalisation in Hong Kong will challenge the consideration of key architectural moments and changes within a deployable system to accommodate programme and use. Students will put an emphasis on material "otherness" as they develop their own dialogue between hard and soft design components. Physical prototypes emphasising casting and formwork will inform design decisions. An iterative design approach will incorporate high-resolution surface conditions developed into interior and exterior architecture.

G10 Kristof Crolla *t2*
Augmented Matters

The studio addresses the challenge of "Post-digital Architecture", being the humanisation of digital technologies through interplay between digital and analogue cultural and material systems, between virtual and physical reality, between high-tech and high-touch experiences, between the local and the global. The studio focuses on Yangon, Myanmar, which is typified by high levels of people living in informal settlements and high levels of access to data and computation through its extensive smartphone network. We will explore how these unique circumstances have the potential to profoundly change the local construction solution space. Architectural design proposals will be developed, which capitalise on Augmented Reality (AR) technology to increase design and construction opportunities. Through this focus on recent technology's capacity to augment and expand locally available craftsmanship and skills, the aim is to increase agency within the built environment for both architects and local communities.

ELECTIVE COURSES

Augmented Reality for Architectural Design
arch 5231a Kristof Crolla t1

This applied design research elective investigates how virtual, augmented and mixed reality technology can create a paradigm shift in the conceptual stages of architectural design and enable an expanded architectural design and construction solution space through the digital expansion of onsite available craft. The course brings together research, design computation, simulation, visualisation, materiality and craftsmanship. These are combined and tested through physical prototyping.

Explorative Architecture Techniques
arch 5231a Kristof Crolla t2

This seminar investigates how latest technology is creating a paradigm shift in the conceptual stages of architectural design. It entails the practical exploration of contemporary architectural design techniques and the impact they have on the theoretical discourse. The question at hand is how responsive virtual design environments, interactive digital/physical design and advances in computer-controlled fabrication can constructively impact the architectural design process.

ACTIVITY

Digital Learning

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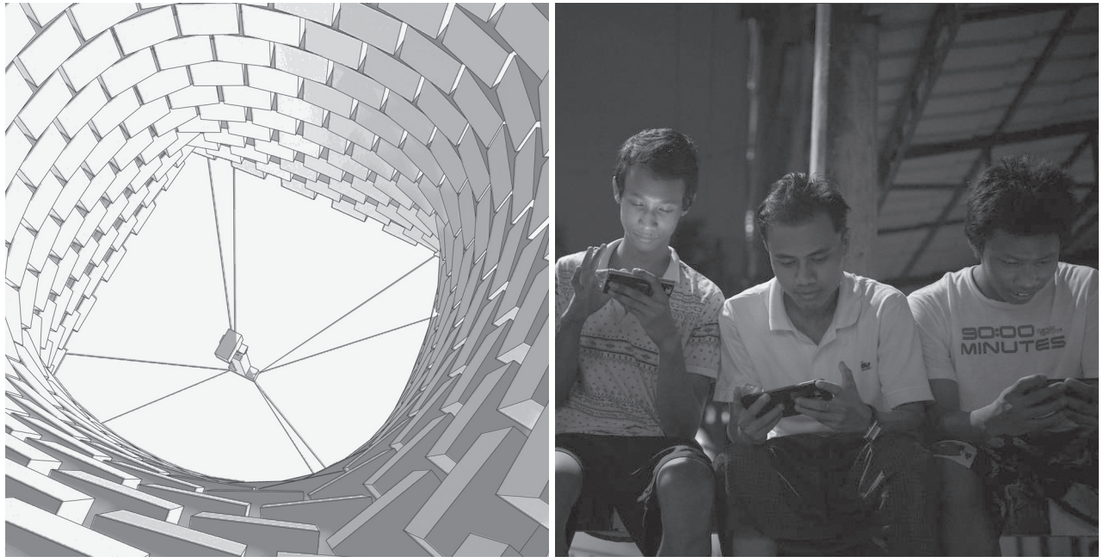

from left to right: g9 robotic masonry assembly; g10 young men browsing their smartphones as they sit on a street in yangon

MArch I history, culture and conservation design

DESIGN STUDIO

G13 Patrick Hwang *t2*
Building on Disappearance

An important challenge facing cities in the Greater Bay Area is the dilemma of finding a critical interplay between construction and conservation. A balance needs to be sought between the preservation of disappearing heritage (identity, culture and place) and non-stop construction. An emblem confronting this dilemma is the Taipei Railway Workshop (1887), a dilapidated maintenance complex formed by a hodgepodge of industrial buildings including a bathhouse, power station, forging workshop, and several workshop maintenance sheds. Plans for its regeneration include adaptation for commercial, real estate and cultural use; complete preservation; and total replacement with commercial developments. The agenda of the studio is to propose ideas, strategies and architectural projects for the renovation of the Taipei Railway Workshop. It aims to stimulate a new model for architectural preservation sensitive to and reflective of the Southeast Asia context.

G14 Thomas Chung *t2*
Cave: Climate-positive Architecture for Verdant Ecologies

The studio is situated on the west bank of Weiyuan Island halfway up the Pearl River Estuary. With a historic old fort, a naval museum as well as a mountain forest park, the island provides the crossing point for Humen bridge, together with a mix of topographic and habitation conditions. Weiyuan Island is designated as one of the three key "start-up" areas within the new district of Dongguan Binhaiwan Bay Area, itself part of Dongguan's push to reinvigorate itself within the Guangdong-Hong Kong-Macau Greater Bay Area. The studio will begin with a well-informed study of Dongguan's context and work with the Binhaiwan Bay Area and Port Administrative Committee to understand the area's latest concept planning. It will speculate on radical future alternatives for the island by considering the use of negative emissions technologies to imagine an overall climate-positive, carbon-negative development. It will also inquire how architecture can explore a "regenerative design" approach that integrates culture and ecology within specific scenarios.

from left to right: g13 taipei railway workshop; g14 view of humen bridge, weiyuan island.

REQUIRED COURSES

Architectural Theory and Criticism
arch 5321 Patrick Hwang t2

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

Exploring Regenerative Design
arch 5331a Thomas Chung t1

Regenerative Design goes beyond the sustainability mantra of "doing less harm" to explore radical, all-encompassing approaches to planning, design and construction that goes beyond zero energy and carbon neutrality, to include carbon-negative emission technologies, design innovations and materials usage that enable renewable resources to restore the depleted surrounding ecosystem. Using design-oriented studies on test sites, we will ask "How does regenerative design work? How can architectural design be pro-actively integrated to regenerate architecture, place and nature?"

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

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MArch 1 urban design and landscape urbanism

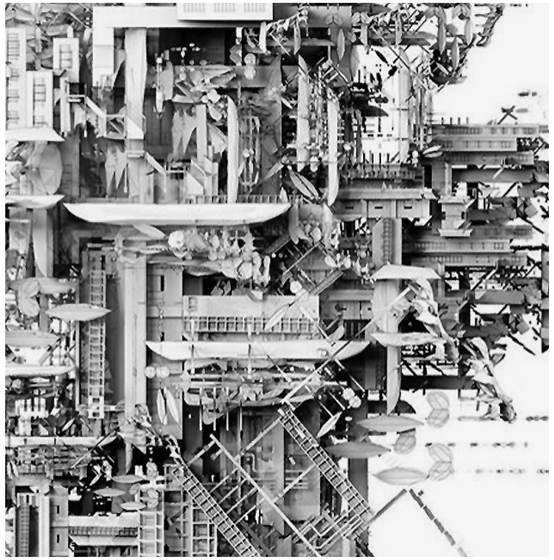
DESIGN STUDIO

G17 Jeroen van Ameijde *t1*
The Networked City

This studio explores the synergies between urban and architectural structures and new forms of cultural urban life. Focusing on speculative proposals for a new high-density urban centre, it investigates new methods for the planning and design of programme and activity spaces in a three-dimensional fashion. Informed by an analysis of past and current examples of "radical urban proposals", we aim to link our studies of massing, circulation, programmes and public spaces to a theoretical and practical understanding of the capacity of urban fabric to stimulate urban life. As we carefully analyse existing modes of urban and architectural planning for large-scale plots in Hong Kong and Shenzhen, we will seek to hijack and subvert the standard mechanisms of public and private interests, and speculate on alternative modes of development that favour inclusivity, freedom of choice and open-endedness towards changes over time. We will explore how the strategic arrangement of private and shared spaces can form networks that operate on different scales, creating interactions between institutions, communities and individuals that help form a more participatory and progressive society.

G18 Tat Lam *t2*
Designing for the Urban Poverty

This studio explores urban design and architectural design possibilities to confront the problems of urban poverty. Sustainable development for grassroots communities requires different sets of methodologies of research, design and evaluation. Students will develop their own set of methodologies to arrive at practical, economical and culturally sensitive solutions to the selected site and the local community. We will critically analyse the impact of urban regeneration projects (both negative and positive) to argue about the feasibility of the proposal. In the research-design process, students will collectively research poverty alleviation policies in Hong Kong and remedies worldwide that offer housing solutions to selected types of poverty citizens. Three categories of people suffering from poverty include stateless population (e.g. refugees and double entry visa holders from China), people with disabilities and vulnerable females. There will be three sites in Hong Kong for students to develop housing solutions to host at least 100,000 people with reasonable land acquisition, financing and community development strategies.



from left to right: g17 designmorphine, vamsi krishna vemuri; g18 a subdivided unit in hong kong.

REQUIRED COURSE

Urban Design and Planning
arch 5721 Francesco Rossini t1

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

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, sociologists and activists, students will engage with the mapping of the dynamic life of an urban area through films, photographs, writings and a series of high-quality, data-driven digital drawings.

Interstitial Urbanism – Greater Bay Lab
arch 5731c Nuno Soares t2

The Greater Bay initiative sets up a territory for collaborative synergy, opening a new ground for innovation while inspiring new visions and spatial configurations. This course aims to build bridges between different programmes and urban realities – past and future, public and private, architecture and urbanism. It challenges students to explore this complex territory, map the existing urban conditions, identify spatial opportunities, and develop innovative architectural and urban morphologies that explore and cultivate local idiosyncrasies.

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
Kristof Crolla

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

Kelly Chow – *"Crafted Object: Building Envelope"*
Research and design targeting the surface where the environmental, social and aesthetic potentials of buildings interface with our surroundings. The topic encompasses four specialties: 1) Design – Crafted Object: materials, construction, assembly, detailing; 2) Design – Spatial Composition: spatial sequencing, layering of space, multiple boundaries, zoning; 3) Design – the House + the City: strategy, planning, architectural prototype, urbanisation; 4) Design – Building Technology Integration: envelope, sustainability + adaptive reuse.

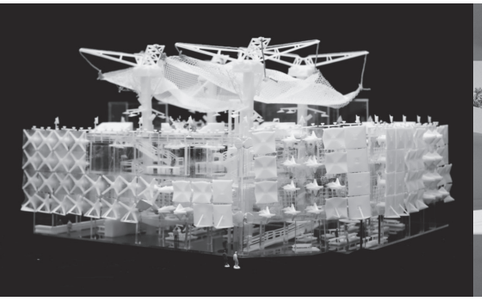
Thomas Chung – *"New OrganiCity"*
This thesis group works together to forge new ground for a "New OrganiCity". The group will explore possibilities for a 21st century post-materialist "organic" architecture, one that aspires to an inclusive, self-organised and equitable commons. We will investigate topical 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 a catalyst for radical reconfigurations of infrastructure and landscape. Individual theses will generate "radical" architecture (a return to roots) by imagining an alternative "ecology of tectonics" – an inventive fusing of materials, technique and form that creates conditions enabling a critical combination of ecological, social and cultural cycles of exchange at liminal zones or urban-rural interfaces. Specific focus will be on one of these domains: 1) Nature induced (regenerative landscape, infrastructure, edge); 2) Commons reclaimed (publicness, communitas); 3) Dwelling transformed (living, humanitas).

Kristof Crolla – *"Building Simplexity"*
Computation expands architects' design solution space and enables radical overhauling of the predefined modes of traditional design production. This is especially visible in the dramatic change in architecture's design solution space globally, made possible by fabrication and manufacturing evolutions in e.g. the Greater Bay Area. This thesis unit's goal is to empower students with 1) a competitive digital-technical skillset, 2) professional design sensibility and experience, and 3) a mature understanding of architecture as a holistic field of knowledge that incorporates form, matter, material systems and materialisation. It provides students with the opportunity to identify their individual voices within future realities of project design and realisation, and to develop robust means and methods to materialise this voice in project implementation. Thesis topics centre around "Building Simplexity," a term that covers the challenge of overcoming construction complexities associated with digital designs through the simplest of means, thus allowing the incredible advantages of computation-driven design to have a wider applicability and impact, even in the most challenging construction contexts. The unit challenges perceived boundaries of architectural design agency and rethinks methods for non-standard project design, development and delivery. For this, the unit uses rigorous tried-and-tested action research methods.

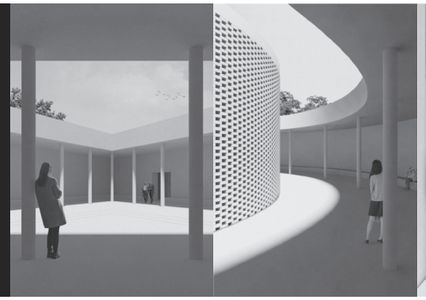
David Dernie – *"The Material Imagination: Architecture, the Natural World: After Space"*
Any serious attempt to address architectural design and its role in the future of urban life depends on an understanding of the balance between natural and built environments. Traditionally architecture had its foundation in its relationship to the natural world, and in day-to-day life of the places it shaped. 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. The next decades will be a critical time to take architectural thinking beyond the geometries of space syntax to address the role of designing material environments that meet the depletion of the natural environment and climate change head on. The next generation of architects can play a key role in developing design strategies and material environments that go beyond current "sustainability" practice, "regenerating"rather than sustaining or further depleting the natural world.

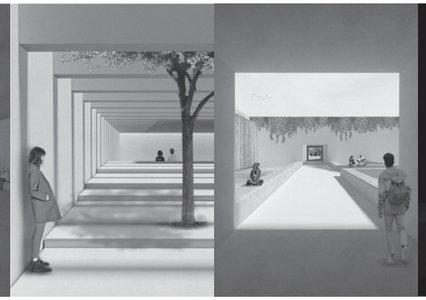
Peter Ferretto – *"Adapting Villages"*
"In the last 20 years, since 1990, 90% of the heritage of Chinese cities has been destroyed in the name of modernisation, now we start destroying our countryside". This is how Wang Shu, the 2012 Chinese Pritzker Prize winner, opened his 2016 Royal Academy annual lecture in London. According to Wang, the countryside is at the foundation of Chinese culture and if we don't act quickly, there is a great danger that in the next ten years most of China's rural heritage will disappear. The predicament of the village and its looming demise associated with the ever-expanding city is not a new phenomenon. In 1946, Le Corbusier in his text "Maniere de penser l'urbanism" anticipated that with incremental urban growth, the traditional village had no chance of survival: "To be blunt when in contact with large cities, the village loses its inherent balance and becomes abandoned." Thesis students will work around the idea of the rural territory. They will be asked to formulate a position about certain rural conditions, a theoretical stance that will guide them to find and work with a specific rural village.

Adam Fingrut – *"Digital Impressions"*
As architects wade deeper into the post-digital paradigm, design focus shifts towards expressive space – with greater sensitivity towards context, affect and milieu. By incorporating the power of digital and computational tools, architecture can be produced with a high level of efficiency, economy, accuracy and effectiveness. This argument provides the substrate for a new era in design exploration, phenomenology and construction execution less reliant on traditional approaches. Students can expect to prioritise an architecture and design research agenda through iterative action-research methods. This thesis unit will provide students with an expanded digital skillset, a greater understanding of the challenges faced with digital workflows in architecture, and an opportunity to find their own critical position in the context of contemporary design practice.

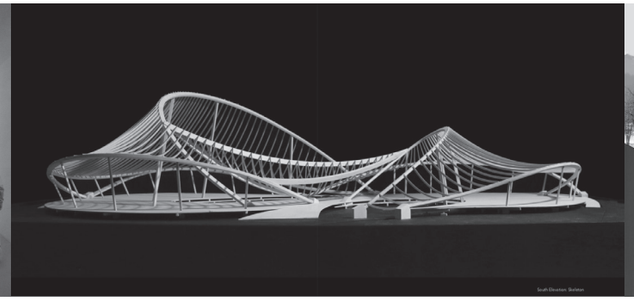


human-machine-environment ecology
celia yeh

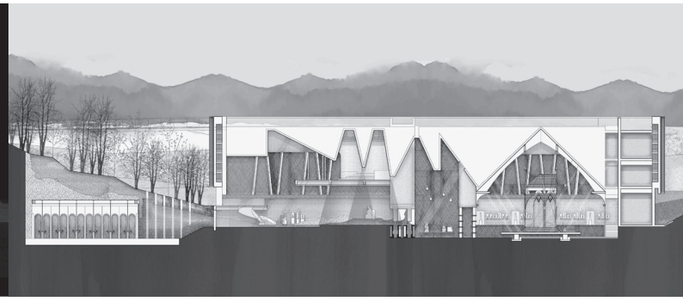




homo civilis hong kong
wendy tang



post-digital timber architecture
nichol wong



the brick institute
eric cheung

Stanislaus Fung – *"Tourism+"*
"Tourism+": This is the main interest but students are encouraged to consider cross-programming. "Atmosphere": This is the theoretical focus and it plays out as highly detailed renderings. We hope the renderings will have some relationship with detailed sections. "Very detailed site studies": Considerations of programme and atmosphere might be enriched by studies of topography and urban context. "Some precedents beyond typology": We shall work with a wide range of precedents, not all selected on the basis of typology. "Defensive formation with extras": This means I would like you to identify specific aspects of the thesis project that can draw on the strengths of your previous studies and experiences. Some new challenges and risk taking are also great if appropriate resourcing can be arranged.

Simon Hsu – *"Building of Transit"*
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-energise but also re-connect disparate urban, cultural and social environments. Specifically this year, students will be asked to site their project in a "Building of Transit" in the Greater Bay Area.

Patrick Hwang – *"Conservation is the New Avant-Garde: the Urgency of Now"*
This group seeks thesis proposals with a focus on the discursive research-analysis and intuitive design transformation of industrial, institutional or cultural heritage sites within the Greater Bay Area. We are facing a great dilemma in the GBA. On the one hand, through the assistance and implementations of developmental policies, the territorial spaces we inhabit are being rapidly developed in search of the new and the profitable. On the other hand, there is an increasing public desire to preserve or re-adapt the few and disappearing heritage places. In between these two poles of desires, how do we create a paradigm that is culturally sustainable in the long run while reflective of the value we hold now? This research group aims to study, analyse and propose alternative conservation and transformation methods in architecture. We are particularly interested in the use of technology during the process of research and design, i.e. point-cloud scanning, photogrammetry, simulation, narrative-based films, 3D prototyping, etc. The research methodology for approaching this topic is sectional across the micro (environmental and architectural) and macro (economic, social and policy) scales of relationships before arriving at a more intuitive but rigorous design process.

Tat Lam – *"Designing for Urban and Rural Poverty"*
Sustainable development for grassroots communities requires different sets of methodologies of research, design and evaluation. In this thesis group, students will develop their own set of methodologies to understand rural development in different cultural contexts, and propose practical, economic and culturally sensitive solutions to the site and the local community. The work will also critically analyse the impact of the development (both potential negative and positive ones) to argue about the feasibility of the proposal. The site of the research and design can be in urban or rural poverty context, addressing underserved communities with direct relationship, solutions and impact.

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.

Francesca Madeo – *"Re|Face the City"*
Re|Facing is one of the possible strategies to regenerate cities. This approach avoids extensive and unsustainable demolition/reconstruction of the entire buildings – or even the full compound – once they have passed their design life. This approach is becoming extensively applied in Hong Kong where old buildings have changed ownership and use, they have preserved their core structure but have been fully refurbished internally, re-clad and uplifted externally. Can we apply this approach to the Greater Bay Area? Where exactly and how is the start of an extensive research.

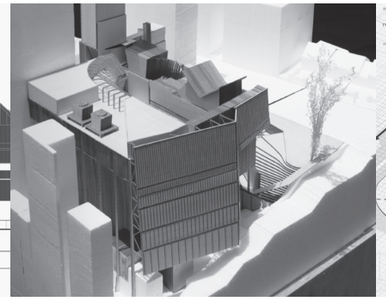
Betty Ng – *"Arts and Culture, Logistics and Production, High Rises, Hybrids"*
The nature of this thesis group shall create a testing ground in which no idea will be discounted, until it has been rigorously researched, carefully hypothesised, and meticulously tested. The aim is to let go of a generic formula (offer a manifesto), to lose the habitual position (work through your hypothesis) and start claiming new grounds (propose an architecture project). The group shall privilege positioning your architecture project within the "present-day" manifestations of the "age-old" topics as Site, Function, Design Process, Building Techniques, Form, Meaning – and expand these manifestations into their contemporary translation/hypothesis, into fields, events, surfaces, effects, etc.

Edward Ng – *"Forget about Architecture. Who needs it?"*
I work to improve, and sometimes to save, the humblest of lives; in harmony with nature and using the simplest of our natural resources. There is nothing fancy, geometric, tectonic, egoistic, artistic or even architectural about my work. Come and explore with me if you don't mind something "boring" and "difficult". By the way, more than 10 years ago I tutored two brave students who later nearly failed their thesis examination for producing no so-called "thesis architecture"! I have had no brave soul since then. Incidentally, the two brave students, after they graduated, persisted and continued to work with me. A year later, their realised building won the AR Emerging Architecture Award in the UK and a HKIA Award. So I did eventually improve their lives a little bit.

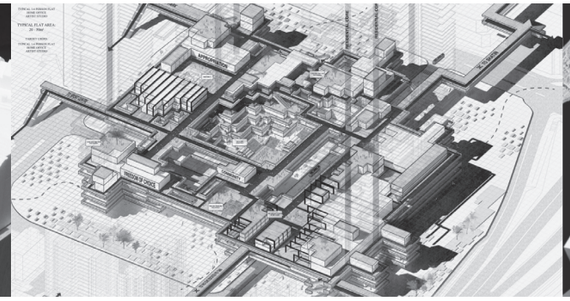
Francesco Rossini – *"Urban Informality and Place-making Interventions"*
In informal settlements, as remarked by Dovey (2013) the constructions transgress some definitions of architecture, requiring new modes of architectural practice and ideology. Working in such dynamic context requires thinking of innovative spatial strategies where architecture and urban design could play a critical role in addressing the challenge of urban informality. The study will highlight the transformative characteristics of informal settlements, defining a revitalisation process focused on the improvement of social infrastructure as an essential component of the upgrading strategy. The insertion of these seeds of urbanism seeks to respond to the needs of the community in order to foster a more effective and sustainable on-site upgrading strategy.

material authenticity
beryl wong

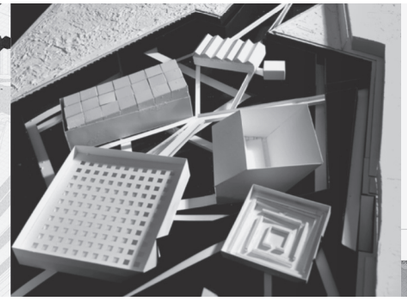
in praise of slowness
carol wong



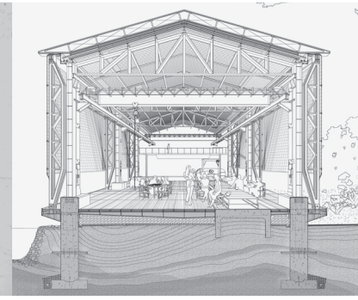
the function of fiction in making architecture
jasmine chan



adaptive ecologies
chow ka lok



didactic landscape beyond the boundaries
catherine tse



the macau-ian
sunnie ng

The city of Hong Kong represents a unique reference to observe and study a continuous system of public and private spaces and the wide range of hybrid conditions generated as the by-product of the planning policy over the years. Hong Kong is renowned for its dense and complex urban fabric, high efficiency, and low carbon footprint. The planning system has generated a sophisticated circulation network at multiple levels, where public life continues to function regardless of the type of ownership, with many of the everyday urban spaces being privately owned yet designated for public use. This lack of distinction between the public and private spheres has not affected the use of these collective/shared spaces, which may constitute an essential element of the urban structure (Rossini et. al, 2018).

Hendrik Tieben – *"Capturing Memories and Projecting Futures for Post-Industrial Landscapes in Hong Kong, Macau and Zhuhai"*
Over the last decades, the landscapes of Hong Kong and the Pearl River Delta rapidly transformed. The major force of transformation was industrialisation. However, with the change of production processes and overall economics, many former industrial sites disappeared. Preservation of industrial buildings and sites should reflect the sophisticated connections between the cultural and natural environments as industrial processes depend on natural sources of raw materials, as well as energy and transportation networks to produce and distribute products to broader markets (Joint ICOMOS-TICCIH, 2011). This thesis research will explore ways to preserve former industrial sites by investigating their former functions and to give them new functions for the future. To create synergies with ongoing research projects, the sites of studies will be the former iron mine in Ma On Shan and industrial areas in Macau and Zhuhai.

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, and 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 carefully in 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 the site to derive a "system of values" for the process of decision making. By means of sensitive architectural interventions and programme strategies, design explorations aim to speculate renewed values for old communities and trajectories 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 the notions of privacy and collective living, as well as the border between them.

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 Mona Yeung t1

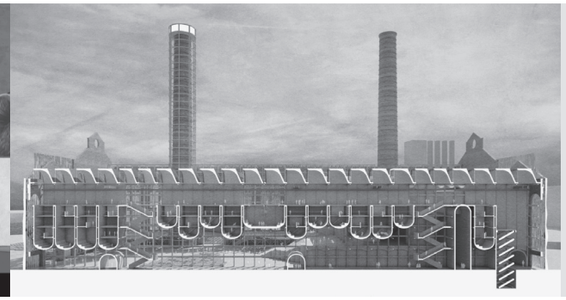
This course introduces the general structure of the building industry, and the professionals and trades associated with the building process. It will give insights into the statutory and non-statutory control mechanism in Hong Kong on the design and construction of buildings, including the Town Planning Ordinance, Land Lease, Buildings Ordinance and its regulations, Code of Practices, Design Manuals and Practice Noted for Authorized Persons. The role of Registered Architect and Authorized Person under the legislation will be examined. It will introduce the Standard Form of Building Contract, duties, liabilities and relationships between the parties, and the different types of Contracts. Various resolutions of contractual disputes including arbitration, mediation and litigation will also be explored.

ACTIVITY

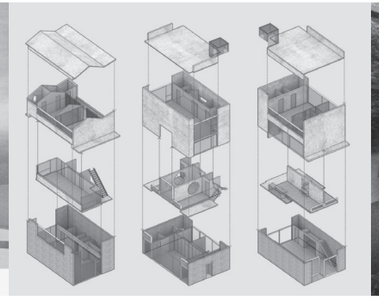
Digital Learning

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*.

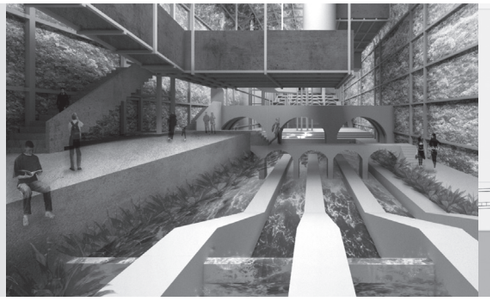
berlin wall 28 | 28
kenny yiu



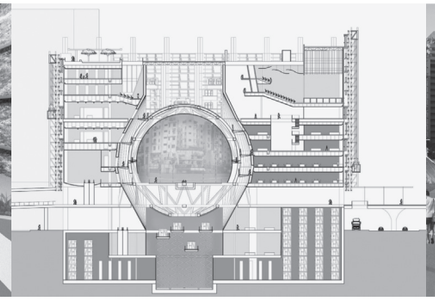
colouring through blurring
luke yau



space diversity by exploring structure
li cheng



reimagine the hidden landscape
jackson chai



memory palace
john lau

light and dementia
bree law

MSc

Urban Design

Programme Director
Hendrik Tieben

In view of implementing UN Habitat's New Urban Agenda, the Urban Design programme focuses on creating more inclusive, socially just, livable and healthy cities. The key theme for the coming academic year is the design of inclusive infrastructure.

The first studio will analyse and redesign public spaces along the MTR Central-Tsuen Wan Line (red line), which connects the centre of finance and tourism on Hong Kong Island, with low-income neighbourhood Sham Shui Po and former industrial area Tsuen Wan in the New Territories. Building on the investigation of infrastructure and public space in the first studio, the second studio provides students with the opportunity to work at a variety of urban scales. It will focus on Hong Kong's New Territories, examining the potentials of an integrated design approach towards transport nodes, new urban areas, and social infrastructure.

The learning activities in the MSUD programme are co-organised with international partners and offer a range of opportunities to experience various urban conditions and interact with students and teachers from different backgrounds. The first studio will include a "Public Space Boot Camp" co-organised with Stanford University, HKDI and THEi. The second studio will start with a Winter School of the International Forum on Urbanism (IFoU.org), a network of 26 urban programmes in Asia, Europe, and South America. This event will be hosted by CUHK. Another International Summer Workshop will be held in Italy in the context of the 17th International Architecture Biennale in Venice and is part of the programme's long-term collaboration with City Space Architecture, a partner organisation of UN-Habitat promoting better public space.

Study Scheme

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

(i) Required courses: 24 units

- *URBD Pre-course*

First Term:
- *URBD 5710 Urban Design Studio I - 6 units*
- *URBD 5703 Urban History & Theory - 3 units*
- *URBD 5731 Urban Processes - 3 units*
- *URBD 5702 Environmental and Urban Economics - 3 units*

Second Term:
- *URBD 5720 a&b Urban Design Studio II - 6 units*
- *URBD 5732 Urban Transport Networks - 3 units*

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

For more information and updates, visit the programme website:
www.cuhk.edu.hk/urbandesign

MSc

Urban Design

DESIGN STUDIO

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

Infrastructures of Inclusion I
Public Spaces Along MTR Red Line

The Urban Design Studio in Term I focuses on communities and public spaces along the MTR Central-Tsuen Wan Line (red line), which connects the financial centre on Hong Kong Island, with Sham Shui Po in Kowloon and Tsuen Wan in the New Territories. Sham Shui Po and Tsuen Wan have long been at urban periphery, but are now experiencing rapid urban change. The studio will investigate practices and processes of production and appropriation of public spaces around the public transport hubs. Students will develop strategies and scenarios for street spaces and neighborhood plazas while addressing the dynamic socio-spatial change at the two sites. As places for living and working on Hong Kong Island and in Kowloon have become unaffordable, more and more of these functions are being relocated along the MTR line towards the north, transforming old grass-roots and industrial areas. The redesign of street spaces and plazas is seen as a way to connect old and new residents and regenerate the surrounding neighbourhoods, with a particular focus on children and elderly people, who are highly represented in these areas. Students will learn through the comparison of different approaches and management of public space at central and peripheral locations and the different communities they serve. They will also understand the deeper connections between these dynamically transforming spaces. During the semester, students will work with different community organisations and engage with local stakeholders and residents.

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

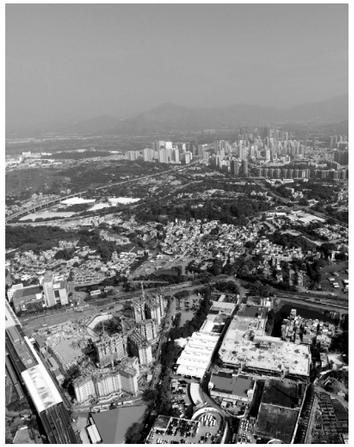
Pre-course: Mapping Topography, Public Space and Everyday Life
Chen Yongming

This introductory workshop is organised around an observation exercise and the mapping of a detail of a selected urban space. In the workshop, students will learn a range of mapping techniques, which enable them to unfold the complexity of socio-spatial relationships in a series of drawings.

DESIGN STUDIO

Urban Design Studios II a & b
urbd 5720
Jeroen van Ameijde
Darren Snow

Infrastructures of Inclusion II
New Territories Tomorrow



In recent years, Hong Kong has struggled to generate a consensus around a vision for the New Territories. This has prompted several ambitious responses, including a proposal to construct a new CBD on artificial islands in the eastern waters of Lantau Island. Yet, there has been little meaningful progress in the absence of a shared vision for the location. In June 2019, as part of the World Urban Campaign, CUHK hosted an Urban Thinkers Campus, bringing together a diverse group of local stakeholders to discuss the future of the New Territories. The forum identified opportunities to unlock complex planning and ownership arrangements, enabling a variety of strategically located sites at scales suited to the production of inclusive and participatory urban space.

The studio will kick off with a collaborative workshop, as part of the International Forum on Urbanism (IFoU) Winter School 2020 at CUHK. The workshop will bring together students and researchers to engage further with the community, and develop a series of visionary scenarios and pilot schemes to reframe the New Territories. The collaborative frameworks developed through the Winter School will form the basis of group and individual studio projects. Reflecting on the new town model, students will be challenged to envision a more human-centric approach based on a wider understanding of infrastructure, enabling a more equitable city that promotes social mobility. Projects will critically explore different organisational principles and design approaches to the massing and infrastructure planning of a new urban area, facilitating diverse social and cultural conditions.

ELECTIVE COURSES

Urban Processes
urbd 5731 Sujata Govada

This course is organised 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 to the 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 Jeroen van Ameijde & Darren Snow

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

A High-resolution Urban Carbon Emissions Inventory of the Greater Bay Area: An Open Data Approach
Cai Meng / PhD
This study will take advantage of open urban data to develop a high-resolution carbon emissions inventory of the Greater Bay Area in China. Given the underlying relationship between urban form and carbon emissions, using open urban data as the basis of carbon emissions mapping will also enable us to identify the low-carbon urban form in cities under different development levels.
supervisor: Edward Ng

Architect as an Agency in the Making of Public Realm
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 ephemerality 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 formation of identity.
supervisor: Stanislaus Fung
co-supervisor: Ho Puay Peng

Evaluate the Application of Semantic Web in Urban Water Supply Network
Chan Chun Hong, Felix / PhD
Ineffective data interoperability causes the unavailability, inaccuracy and unreliability of data, hindering analyses and decision-making processes. This study evaluates the possibility of using Semantic Web to represent the unified digital assets data of an urban water supply network, utilising such digital data to streamline the interoperability of water infrastructure data and therefore fine-tune the existing asset in order to reduce energy use while still maintaining a safe and stable water supply.
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 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. This 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

Detecting and Simulating Future Land Use/Cover Change with Deep Learning Techniques
Chen Feihao / PhD
Research on Land Use/Cover Change (LUCC) is pivotal to land use planning and environmental management. Conventional methods are insufficient for addressing some of the important LUCC issues. Therefore, this study takes novel advances from the deep learning domain to provide an alternative way of detecting and simulating LUCC. Outcomes of the research are expected to be useful for sustainable planning and design.
supervisor: Tsou Jin-yeu
co-supervisor: Xu Yuan (GEO)

Between Form and Force: A Case Study on the Collaborations Between Structural Engineer Zhang Zhun and Several Chinese Architects
Chen Jun / PhD
Chinese individual architects have been highlighted in architectural journals and exhibitions in the past 30 years. However, the significant structural aspects of their innovative works remain hidden. Taking the collaborations between an emerging structural engineer, Zhang Zhun, and several architects as case studies, this research aims to unfold the over-simplified design processes in the presentation of architectural projects. The conflicts between structural efficiency and architectural effects in the design process will be examined.
supervisor: Stanislaus Fung

A Study on the Making of the Actual City
Choi Sze Ho, Jack / PhD
Architectural discussions within the profession and education largely comprise of the making or production of the built environment, where we can discern two different tendencies: either on design performance or the sentimental aspect of architecture. However, the actual production of the cities we live in is rarely conceived with these selective interests, but rather primarily driven by many other forces – essential knowledge which remains essentially immature.
supervisor: Hendrik Tieben
co-supervisor: Peter Ferretto

Building Systems Adaptable to Radical Changes
Rico Samuel Diedering / PhD
supervisor: Zhu Jingxiang

From Rural Settlement to Urban Form – A Comparative Study of Village Transformations in Hong Kong and Shenzhen
Geng Yan / PhD
The village in a city as a distinctive social-political identity with its own traditions and social structures was significantly developed to reshape the urban fabrics and embody specific contexts in the planning culture. This research takes the villages in Shenzhen and Hong Kong as cases to provide a comparative study to refine the formation, production and transition of villages and to discuss their impact on the socio-economic dynamics of the urban space within 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 a building. Alternatively, "construction" could 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 "realisation of drawings". The main objective of this research is to re-examine this notion, and shift the focus from construction as a conventional realisation of a building towards construction as an experimental and evolutionary process to "integration".
supervisor: Zhu Jingxiang

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 behaviour in physical space. The research, through examining the existing visual-based social and environmental psychology theories, aims to explore a new spatio-visual model for measuring perceptual patterns based on asymmetry of single visual interaction, and the model's unique application values in relevant spatial analyses.
supervisor: Hendrik Tieben
co-supervisor: Thomas Chung

Nurturing Flood Resilience through Learning from Flood Experience
Kuang Da / PhD
This research aims to develop a Learning from Floods model to explore the relationship between flood experience, learning and flood resilience. The future application of this research would help to assess an individual or a community's ability to develop flood resilience.
supervisor: Hendrik Tieben
co-supervisor: Liao Kuei-hsien

How do Urban Developments Affect the Thermal Microclimate of High-density High-rise Cities During a Prolonged Heat Wave Event? – A City-scale Numerical Simulation Study
Kwok Yu Ting / PhD
It is crucial to understand the interaction between the atmosphere and built environment in order to evaluate the urban climate issues in cities and come up with ways to mitigate. By using the numerical model MesoNH-TEB, this thesis research aims to examine the thermal effects of different urban development scenarios during selected prolonged heat wave events.
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 nationwide 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 aims to reconceptualise the conservation of vernacular architecture in relation to the evolvement of rural space.
supervisor: Edward Ng
co-supervisor: Peter Ferretto

Evaluating the Accessibility of Public Open Space under Demographic Ageing with Geographical Information System: A Case Study of Wong Tai Sin District, Hong Kong
Li Xiang / PhD
This study explores the everyday life of young-olds in public open spaces in Wong Tai Sin, Hong Kong, and thereby evaluates the accessibility of current public open space using the Space-Time GIS model to obtain temporal and spatial data through computation and visualisation. Findings are expected to contribute to the future planning and design of public space to improve the elder's quality of life in high-density urban contexts in China.
supervisor: Tsou Jin-yeu

Soundscape in Chinese Classical Gardens
Li Yuke / PhD
The 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

Rocks and Rockeries in Song Dynasty China
Liu Chang / PhD
This research focusses 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

Building Performance and Passive Adaptation Strategies in the Context of Future Climate Change: A Case Study of Residential Buildings in Subtropical Hong Kong
Liu Sheng / PhD
To combat with the impacts of future climate change, passive adaptation strategies for improving the building envelope performance of the existing or new buildings should be highlighted for architects. Taking the future climate change and life cycle analysis into account, the significance of each passive adaptation strategy will be ranked over time by sensitivity analyses and a set of adaptation strategies will be optimised by Genetic Algorithm.
supervisor: Edward Ng

The Historiography of Chinese Gardens
Liu Yan / PhD
supervisor: Stanislaus Fung

Form Follows Body: The Carpenter's Rules that Design and Construct the Dong Minority Houses in Rural Southern China
Luo Jing / PhD
This research proposal focuses on the design principles, working tools and techniques that are adopted by the Dong carpenters for housing construction in Dong minority villages in rural Hunan Province of southern China. Through investigating the Dong carpenter's working logics and methods, the aim of this research is to reveal the relationship between the human body and housing form based on the Dong minority dwelling culture from an anthropological perspective, understanding how the Dong carpenters play a key role in interpreting this body-form relationship architecturally and apply it to the building of the Dong ordinary houses.

supervisor: Hendrik Tieben
co-supervisor: Peter Ferretto

Improve Microclimate and Pedestrian Thermal Comfort by Optimising Urban Greenery Combinations on Ground Level, Vertical Wall, and Rooftop Locations
Ouyang Wanlu / PhD
The proposed study aims to investigate the possibility of taking the utmost use of the cooling potential of urban greenery. To improve microclimate and pedestrian thermal comfort, optimal greenery combination strategies will be provided. Urban planners and managers can refer to the results of this study for climate-sensitive planning and design.

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. Utilising 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

Integration of Architecture and Structure Design in Contemporary China
Shen Qi / PhD

supervisor: Stanislaus Fung

Vertical Efficiency Benchmarking: An Investigation of the Feasibility of a New Parameter in Tall Building Design
Sun Yuxuan / PhD
The thesis examines the possibility of using a single parameter – the vertical usage efficiency ratio (UEO) – to demonstrate the usage efficiency in high-rise buildings. This new term has rarely been considered in high-rise building design and is taking centre stage in this thesis study.

supervisor: Zhu Jingxiang

Surface Heat Island and its Relationship to Urban Expansion in Chinese Cities
Wang Ran / PhD
Urbanisation modifies the structure of the land it covers. It contributes to the temperature differences between urban and rural areas that is called the urban heat island (UHI) effect. With such fast urbanisation 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

Environment as the Tool to Relieve Human Stress in High Density Cities
Xiang Luyao / PhD
The research focuses on the relationship between the built environment and the pedestrian's 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) Do residents in high-density cities mentally recover better from man-made gardens than from the urban environment? 2) What are the characteristics of the environment that are helpful for creating positive psychological experiences? And how do these characteristics work? 3) Whether physical environment parameters, such as temperature, humidity, wind velocity, solar radiation, sound and daylight, affect emotion and stress? And how?

supervisor: Edward Ng

Institutional Public Space: The Public Space at Cultural Buildings
Yiu Hoi Lam, Melody / PhD
Cultural buildings are often read as the urban icon. However, its interior/exterior space as public space is less discussed, comparing to other prominent types such as the park or "pops" (privately-owned-public-space). Through an analysis of architectural plans and urban morphology, this research intents to reveal an alternative perspective to read cultural architecture, while questioning its position and role within the urban context.

supervisor: Hendrik Tieben
co-supervisor: Francesco Rossini

The Construction Efficiency of Modern Wood Systems in the City
Zhai Yukun / PhD
Wood as a prefabrication construction material can easily be developed into a modular integrated system, which can improve the operational features of a building. This thesis researches the construction efficiency of the wood system by a quantitative method. How to apply the wood system in an urban area is also researched to explore its feasibility and efficiency in a complex, modern environment.

supervisor: Zhu Jingxiang

Modernising Log Construction System: Technology Advancement and Design Strategy
Zhao Yan / PhD
Systematic research on log construction advancement resulting from technological improvement cannot be easily found in the 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

The Transformation of Street Space in Resilient Villages in the Pearl River Delta Megacity
Zhang Xiaojun / PhD
The Pearl River Delta Megacity is sprawling to the rural in a magnificent speed and the villages, without advanced planning, emerge to be resilient reflectively. The thesis features two key subjects: 1) a resilient village is defined by establishing an analytical model to dissect the village condition, responding to the megacity sprawl; 2) street space, as a connective path to integrate multiple functions and digest different problematic issues, is the significant vein to spatially understand and propose strategies of resilience in generic villages.

supervisor: Tsou Jin-yeu
co-supervisor: Peter Ferretto

Incoming PhD Students 2019-20

Cheung Ka Ming *BEng CityU,* *MSc PolyU, MSc UCL*	*Supervisor:* *Edward Ng*
Fung Sze Wai, Veera *BSSc, MArch CUHK*	*Supervisors:* *Zhu Jingxiang and Peter Ferretto*
Ho Tsz Wai *BSSc, MArch CUHK*	*Supervisors:* *David Dernie and Thomas Chung*
Sun Xiong *BArch, MArch NSW*	*Supervisor:* *Stanislaus Fung*
Wajiha Tariq *BArch, MArch UET Lahore*	*Supervisors:* *Hendrik Tieben and Jeroen van Ameijde*
Wu Fangning *BEng Guangdong U. Tech.,* *MArch SCUT*	*Supervisors:* *Hendrik Tieben and Thomas Chung*

Faculty

Full-time Faculty

Kelly Chow	*Professional Consultant*
Thomas Chung	*Associate Professor*
Kristof Crolla	*Associate Professor*
David Dernie	*Director and Professor*
Peter Ferretto	*Associate Professor*
Adam Fingrut	*Assistant Professor*
Stanislaus Fung	*Associate Professor*
Han Man	*Lecturer*
Patrick Hwang	*Assistant Professor*
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*
Essy Baniassad	*Adjunct Professor*
Christopher Bene	*Adjunct Associate Professor*
Chan Chi Yan	*Adjunct Assistant Professor*
Florence Chan	*Adjunct Assistant Professor*
Nelson Chen	*Adjunct Professor*
Jessica Cheung	*Part-time Lecturer*
Sujata Govada	*Adjunct Associate Professor*
Simon Hsu	*Adjunct Associate Professor*
Iris Hwang	*Adjunct Assistant Professor*
Lam Tat	*Adjunct Assistant Professor*
Sebastian Law	*Adjunct Professor*
Doreen Liu	*Adjunct Associate Professor*
Bruce Lonnman	*Adjunct Associate Professor*
Francesca Madeo	*Adjunct Associate Professor*
Betty Ng	*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 Associate Professor*
Caroline Wüthrich	*Adjunct Assistant Professor*
Xu Liang	*Part-time Lecturer*
Yutaka Yano	*Adjunct Assistant Professor*
Alfred Yeung	*Adjunct Associate Prorfessor*
Mona Yeung	*Adjunct Associate Prorfessor*
Yuet Tsang Chi	*Adjunct Associate Professor*

Emeritus and Honorary Professors

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

External Reviewers

name	position	company/institution
Earle Briggs	Director	Revery Architecture
David Dernie	Former Dean	U Westminster
Fung Siu Man	Director	CUHK CDO
Inge Goudsmit	Associate	OMA
Belinda Ho	Director	MUSA
Christopher Law	Founding Director	The Oval Partnership
Joan Leung	Director	Lotus Architects
Nancy Lin	Chief of Staff	AECOM
William Liu	Director	ARK Associates
Jenny Lovell	Associate Director	Allies and Morrison
Ronald Lu	Founder/Chairman	Ronald Lu & Partners
Betty Ng	Founder/Director	Collective Studio
Michael Ng	Director	Foster + Partners
James Saywell	Editor	Hinge Magazine
David Tseng	Professor	National Chiao-Tung U.
Barry Will	Executive Director	WCWP International
Rocco Yim	Principal	Rocco Design


rocco yim


belinda ho


betty ng


james saywell


michael ng


inge goudsmit


barry will


joan leung

Public Lectures 2018-19

speaker	date
Earle Briggs, Giles Hall *Xiqu Centre – Elevating an Historic Artform*	08.10
Eric Höweler *Signal to Noise*	11.10
James von Klemperer *KPF Making*	22.10
Clemens Preisinger *Performance Based Parametric Structural Design*	29.10
Brian Anderson *From Central Police Station to Tai Kwun – What Role Does Adaptive Re-use Have in Hong Kong?*	01.11
Winy Maas *What's Next?*	24.02
Tat Lam, Kan Chan *Outbound Flights*	28.02
Maggie Ma, Sarah Mui *Community Voices*	18.03
Edman Choy, Elva Tang *Foreign Exchanges*	21.03


winy maas


sarah mui


eric höweler


edman choy


maggie ma


james von klemperer


earle briggs


elva tang

Events 2018-19

event	date
Kinoshita Lecture	
Winy Maas What's Next?	24.02.2019
Seminars	
Workshop on the Application of Multi-objective Evolutionary Algorithms in Design Using Wallacei	29-30.03.2019
Typology: Similar but Different – PhD Symposium	14.04.2019
Adapting Villages Workshop 2019 – International Workshop on the Future of Rural Villages	06.05-07.05.2019
Emergent Urban Ecologies' Collaborative Architecture Workshop	03-07.06.2019
Exhibitions	
KPF Making	10-21.09.2018
Craft: The Reset Kristof Crolla, Celia Yeh	16.09.2018-19.02.2019
End-of-Term Exhibition (Term 1)	19.12.2018-11.01.2019
L&O Travel Scholarship Exhibition Cheung Yau Ling, Venus Chiang Ethan	14.01-18.01.2019
CUAAA Award Exhibition Cheung Kat Fu, Eric	28.01-01.02.2019
West Kowloon Design Competition Pavilion Paul Tse, Evelyn Ting	01.03-31.08.2019
End-of-Term Exhibition (Term 2)	09.05-30.06.2019
Mobile City Lab	24.05-08.06.2019
2019 MArch Graduation Show 23	27.05-30.06.2019

event	date
Field Trips	
Siargao Island	21-27.09.2018
Hexin Wu Village, Guangdong	24-26.09.2018
Tokyo	24-28.09.2018
Kaiping & Guangzhou	30.11-04.12.2018
Venice	16-22.12.2019
Hexin Wu Village, Guangdong	17-18.12.2019
Shenzhen	12.01.2019
	26-31.01.2019
Taiwan	28.01-02.02.2019
Dongguan & Shenzhen	08.03.2019
Tokyo	11-15.05.2019
Manila	27.05-06.06.2019
Gaobu, Hunan	22.05-04.06.2019
Rome	16-23.06.2019
Shanghai & Suzhou	28.06-05.07.2019
Collaborative Studios	
Guangzhou University Collaboration with Peter Ferretto	24-26.09.2018
Waseda University Collaboration with Adam Fingrut	24-28.09.2018
Istituto Universitario di Architettura di Venezia Collaboration with Thomas Chung	16-22.12.2018
National Chiao Tung University Collaboration with Kristof Crolla	28.01-02.02.2019
Tokyo Institute of Technology Collaboration with Doreen Liu	11-15.05.2019








Summer Activities 2019

Small Changes: Building a Waste Disposal Station for the Dong Minority Village of Gaobu, Hunan Province
Peter Ferretto
Gaobu, Hunan, China *22 May - 4 June*

Summer workshops in the Dong minority village of Daubs in southern Hunan Province have been organied since 2016. Gaobu is a village which until recently had been operating as an autonomous rural community, where Dong people recycled all their waste. Hence, with the advent of rapid modernisation, they are ill prepared to deal with the potential catastrophic effects of waste within their finely balanced ecosystem.

Most of the harmful waste generated in Gaobu is invisible: dramatic overuse of land fertilisers has caused an algae infestation affecting rice harvesting; washing machines discharge directly into the river has meant the disappearance of local freshwater fish; a lack of any recycling strategy results in the burning of noxious plastics causing potentially serious diseases.

The course aimed to connect students with "real" projects associated to pressing environmental problems and allow students to form social responsibilities towards the community. With the help of two local carpenters, students were asked to BUILD out their design of a small Waste Disposal Station for the Gaobu village.

Mapping the Informality: Learning by Making, Summer Workshop in Manila
Francesco Rossini
Manila, Philippines *27 May - 6 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 new ideas of upgrading and design solutions for low-income districts. By investigating a series of incremental interventions, students learned about the different characteristics and issues that distinguish the urban structure of informal settlements. 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' analyses and community engagement, was the construction of prototype projects at a scale of 1:1, as a series of community facilities to improve the condition of low-income neighborhoods. This workshop was organised in collaboration with the University of Santo Tomas in Manila and UCSI of Kuala Lumpur.

Rome Programme 2019
David Dernie
Rome, Italy *16 - 23 June*

The one-week study trip comprised of guided city walks in Rome. The walks were designed as an introduction to western Architecture from Ancient Rome to the Fascist reshaping of the city, culminating in contemporary buildings by Renzo Piano and Zaha Hadid. There was also one field trip to Tivoli, to study Hadrian's Villa and the Villa d'Este.

Each student was required to keep a comprehensive sketchbook, on which s/he drew during presentations about the history and significance of buildings, gardens and public spaces.

Topical Studies in History, Theory and Criticism: Contemporary Architecture in Shanghai
Stanislaus Fung
Shanghai & Suzhou, China *28 June - 5 July*

This course was focused on the study of contemporary architecture in Shanghai and drew on resources and perspectives derived from architectural history and theory, landscape theory, Chinese studies, and comparative philosophy. The main focus of this course is a series of recent projects by young Shanghai architects in Shanghai and surrounding areas such as Moganshan and Kunshan. Students learned about design and construction drawings with local architects, and visited projects including boutique hotels, temporary exhibition structures, showrooms, etc.

CUHK Summer Institute 2019
Bruce Lonnman
School of Architecture, CUHK *15 - 23 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 *15 - 27 July*

The 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 architecture 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.

IBA Summer School 2018

Hendrik Tieben
Stuttgart, Germany *21 July - 03 August*

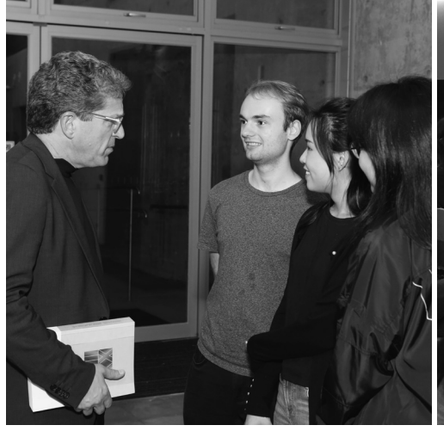
The IBA Summer School 2019 explored the minimal requirements for living and the effects of reducing private space in neighbourhoods, cities, and larger regions. In this context, density, proximity as well as reactivation of the commons will be discussed. Minimal living not only means a reduction of individual space with its resulting typologies, but is also about building with minimal material and financial resources. Finally, the engagement with minimal living aims at the question of what constitutes living and how much space a person really needs. The workshop dealt with this basic need and raised the question of it being a fundamental human right.

In addition to the eight-day workshop, an extensive exchange and cultural programme was offered. Apart from architectural and urban landmarks in Stuttgart, the workshop also visited other interesting sites in southern Germany.

Student Exchange 2019-20

Exchange Programme	Outgoing	Incoming
Partner University		
National University of Singapore	Chan Chung Wing Chan Pan Nga, Beverly	Soh Wei Jie, Alvin
Politecnico di Milano	TBC	Marinella Carallo Giorgio Curmà Arianna Dassi Mattia Ghisleni Roberto La Russa Luca Mangili
Politecnico di Torino	TBC	Francesco Monaco
University of Applied Sciences, Stuttgart	Chu Meng Ting, Tiana Chung Him Ling	Maximilian Wolfgang Hoeppler
University of Cambridge	Pau Hiu Wing, Kathy	
University of Westminster	Lau Yuk Fan, Fenton Wan Po Kwan, Jessie	TBC
University-wide Exchange		
Kobe University	Yiu Tsz Wai, Joyce	
Kyushu University		Ken Fukuda
Maastricht University		Kathleen Cornelissen
The University of Auckland		Lee Sue Rim
University of Massachusetts Amherst	Lau Sze Ngai, Sianne	
University of Virginia		Finn Sebastian Moran

Incoming and outgoing students to be confirmed in Term 1.






Awards and Scholarships 2018-19

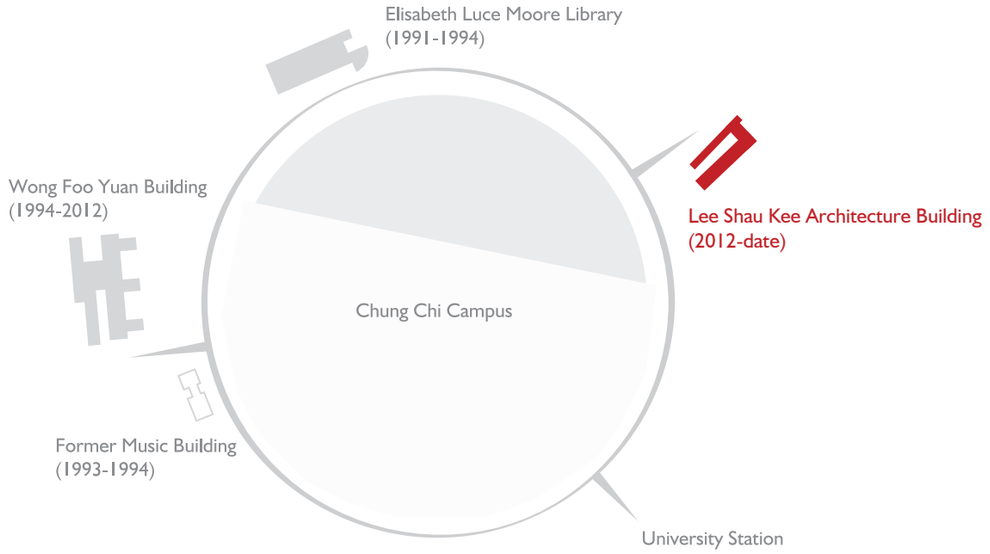
Awards	Recipients	Year
AIA Hong Kong Scholastic Award	Lee Hiu Yeung, Jacky	BSSc Y4
Clifford Wong Prize in Housing Design	Wong Chun Lung, Ringo	MArch 2
CUAAA Award	Cheng Hiu Man, Desy	MArch 1
CUHK CAADRIA Student Award	Chan Yan Yu, Jennifer	MArch 1
	Ma Chun Yu, Kelvin	MArch 1
CUHK CAADRIA Student Award – Commendation	Wong Long Hin, Nichol	MArch 2
HKIA Cross-Strait Architectural Design Symposium and Awards 2019:		
Gold Award (Professional Category – Residential)	Chi Xinan	RPg
	With Edward Ng, Wan Li	
Silver Award (Student Category)	Tang Wan Ting, Wendy	MArch 2
HKIA Student Medal	Tang Wan Ting, Wendy	MArch 2
Hong Kong Housing Society Award	Chan King Long, Kelvin	BSSc Y3
	Yeung Lok Him, Thomas	BSSc Y3
Hong Kong PhD Fellowship Scheme	Cheung Ka Ming	RPg
	Kwok Yu Ting	RPg
RIBA President's Medal Award Nominees		
Silver Medal	Wong Yuk Tsin, Beryl	MArch 2
	Yeh Yi Hsin, Celia	MArch 2
Bronze Medal	Chau Ka Yee, Alice	BSSc Y4
	He Haoyu, Horward	BSSc Y4
Society of Construction Law HK Prize	Chan Ka Chun, Ringo	MArch 2
	Wang Shuwei	MArch 2
School of Architecture Best Design Studio Awards:		
U1 Design Studio	Hung Kwong Lau, Gordon	BSSc Y2
U2 Design Studio	Wong Ho Yuen, Brian	BSSc Y2
U3 Design Studio	Robert Alfred Tang	BSSc Y3
U4 Design Studio	Chan Hiu Wai, Kary	BSSc Y3
U5 Design Studio	He Haoyu, Horward	BSSc Y4
U6 Design Studio	Chau Ka Yee, Alice	BSSc Y4
M1 Design Studio (Term 1)	Lo Shuk Yan	MArch 1
M1 Design Studio (Term 2)	Chan Yan Yu, Jennifer	MArch 1
	Ma Chun Yu, Kelvin	MArch 1
	Yuen Suet Ying, Circle	MArch 1
M2 Thesis Project	Wong Yuk Tsin, Beryl	MArch 2
	Yeh Yi Hsin, Celia	MArch 2

Awards	Recipients	Year
U3 Studio Awards:		
Best Drawing	Wong Wan Ling, Christine	BSSc Y3
	Yiu Tsz Wai, Joyce	BSSc Y3
Best Model	Leung Tak Mei, May	BSSc Y3
	Luo Meihua, May	BSSc Y3
U5 Studio Awards:		
Best Drawing	Li Ho Kong, Jeremy	BSSc Y4
	Wu Yu Shang, Sunny	BSSc Y4
	Yeung Suk Ting, Yuki	BSSc Y4
Best Model	Lau Sze Ngai, Sianne	BSSc Y4
	Ting Wing Lam, Phoebe	BSSc Y4
	Yuen Wan Ching, Tiffany	BSSc Y4
U6 Studio Awards:		
Best Drawing	Lau Cheuk Wang, Michael	BSSc Y4
	Lin Sheng, Ken	BSSc Y4
	Mak Hoi Ting, Clytie	BSSc Y4
	Wu Pang, Pierre	BSSc Y4
Best Model	Cheung, Hiu Yan, Christine	BSSc Y4
	Lau Sze Ngai, Sianne	BSSc Y4
	Sung Chen Ru, Ariel	BSSc Y4
	Wu Yu Shang, Sunny	BSSc Y4

Awards (Alumni)	Recipients	Year
2018 DFA Hong Kong Young Design Talent Award	Mui Sze Wa, Sarah	BSSc (2006)
	Siu Man	BSSc (2015)
40 Under 40 Awards	Mui Sze Wa, Sarah	BSSc (2006)
	Larry Tsoi	MArch (2005)
A&D Trophy Awards 2018 – Student Category (Architecture):		
Best Overall Prize winner	Leong On U, Derrick	MArch (2018)
Certificate of Excellence	Kwok Nga Lam, Karen	MArch (2018)

Scholarships	Recipients	Year
Cornerstone International Training Programme	Ho Chung Hei, Alvin Wong Wai Faan, Jimmy	BSSc Y3 BSSc Y3
Formica Scholarship	Yeung Lok Him, Thomas	BSSc Y3
L&O Travel Scholarship for Design Innovation	Robin Albrecht Jiao Keqing, Clara	BSSc Y3 BSSc Y3
Professor Eric Lye Memorial Scholarship	Tam Dik Yeung, Derek Wong Ka Lok, Victor	MArch 1 MArch 1
Professor Raymond Fung Scholarship	So Ching Ching Wu Tsz Wing	BSSc Y4 MArch 1
P&T Travel Scholarship P&T Travel Scholarship – Commendation	Wong Lok Hei, Jessie Hui Yuk Yi, Sukey	MArch 1 MArch 1
School Leadership and Service Award	Wong Long Hin, Nichol Xu Liang, Leon	MArch 2 RPg
Talent Development Scholarship	Chan Tung Hoi, Peter Ng Ying Tung, Ruby Chan Wing Chun	BSSc Y1 BSSc Y1 MArch 1
Wharf ArchDesign Resource Trust, Architectural Design Internship	Tang Wan Ting, Wendy Yeh Yi Hsin, Celia	MArch 2 MArch 2
Wong Tung & Partners Scholarship	Tang Wan Ting, Wendy Wong Ching Nam, Carol	MArch 2 MArch 2

Location



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