Image courtesy: FUN
Reference:
28:888A (JDS), Lowest order SPSS with a central element   http://www.squaring.net/sq/ss/s-pss.html

ORGANISED COMPLEXITY

INSTRUCTOR
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RESEARCH QUESTION

"Can we make the high-density public housing complex more innovative and suitable for living?"

The high-density public housing complex in Hong Kong is a unique building type closely connected to people's daily lives. The complex issues here like land issues, user groups, social activities, etc. make it an exciting topic to study. Designing new types of high-density housing complexes for today and the future is a big challenge. Can we make the high-density public housing complex more innovative and suitable for living?

The relationship between theory, research, and design has always been the interest of architects. Connecting the theories and knowledge from various fields to architecture is crucial for innovation. In the last 15 years, our practice FUN has been focusing on bringing knowledge and theories from various fields outside of architecture such as mathematics, geometry, and computer algorithms, and applying them to architecture design, devoting ourselves to producing some "unexpected" designs which distinguished from the conventional. The studio will focus on the high-density public housing complex in HK and try to find new ways of intervention through cutting-edge design and research methods. An integrated advanced complex architecture system is expected.

Can we creatively use the 3D space instead of just the land to lower the land cost and create remarkable urban space? Can we design new public housing complexes for specific user groups like the "Sandwich Class"? Can we position the units smartly for a better view according to mathematical rules? ……and how? Hopefully, this dialogue between advanced architecture systems and daily social life will show more possibilities.

DESCRIPTION

This studio will focus on designing innovative public housing complexes in HK for better living.

A highly complex high-density public housing design is the expected output. Theories from related fields will be involved to inspire innovative ideas. Rule-based design methodology will be applied to make the design more objective and hopefully achieve unexpected results.

The architecture complex should not only concern design issues like the program, spatial quality, etc. but also include technical issues such as structure system, construction method, materiality, tectonic issues, and so on. The studio is looking for a highly complex and integrated architectural proposal with high resolution on different aspects.

Limited by the economy, most of the current public housing typology is still more focused on basic issues like efficiency, land uses, etc. The public housing lacks public spaces with good quality.   Can we deal with the land issues differently? What will happen if we can use the space above the existing buildings? Can we build faster, cheaper, and better? Can we formulate better public spaces to improve the living quality?

To make something innovative, creatively connecting the theories from various fields to architecture design is crucial. The following theories from related fields could be involved in different stages of the studio and be applied to different aspects of the project.

COMPLEX THEORY AND ORGANIZATIONS
https://en.wikipedia.org/wiki/Complexity_theory_and_organizations ipedia

PLACEMAKING
https://en.wikipedia.org/wiki/Placemaking Wikipedia

COMMUNITY BUILDING THEORY
https://en.wikipedia.org/wiki/Community_building ing - Wikipedia

DELEUZE-MORPHOGENESIS-AND-POPULATION-THINKING
https://egs.edu/lecture/manuel-delanda-deleuze-morphogenesis-and-population-thinking/g - The European Graduate School (egs.edu)

DISCRETE MATHEMATICS
 https://en.wikipedia.org/wiki/Discrete_mathematics ia

NUMBER THEORY
 https://en.wikipedia.org/wiki/Number_theory a

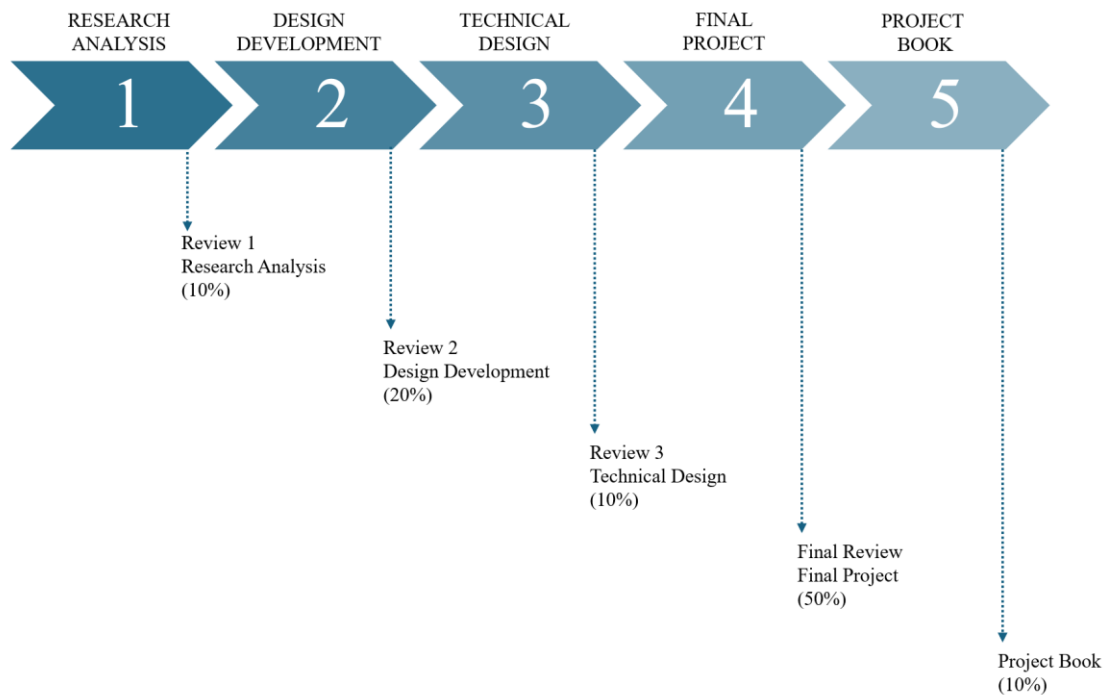TOPOLOGY
https://en.wikipedia.org/wiki/Topology ia

Quite a lot of research has been done related to public housing, and many aspects have been studied such as building typology, land use, energy efficiency, construction method, etc. Lots of proposals have been made with innovative ideas. New computational tools are also involved in many of the research.

There are many examples of built high-density public housing in HK, if we take a look at the history, we can find many public housing typologies existed in different periods. For example, the old slab, single tower, Trident 1,2,3,4 (https://en.wikipedia.org/wiki/Public_housing_in_Hong_Kongng - Wikipedia). Lots of public housing projects built by the MIC system are on their way (https://mic.cic.hk/tc/Home). Students should take an in-depth look at the relevant research and practices, find their points of innovation, and try to develop new typologies that work better for today and the future.

The current debates about housing are mainly about efficiency, land use, safety, waiting time, etc. The "light public housing" scheme raised by the government to build temporary public housing to shorten the waiting time attracted lots of discussion. The use of the Modular Integrated Construction (MIC) method in public housing to build faster, safer, and better is also a trend and hotspot of discussion. Some scholars complain due to many reasons the space quality of the current public housing is worse than in the 1950s……So, can we do better?

The learning process involves new knowledge from various fields, the design process takes time, energy, and passion. Students are required to be fully engaged in the project to unleash their greatest potential.

The following diagram describes the structure and the assessment criteria for the year.

```
RESEARCH        DESIGN          TECHNICAL        FINAL           PROJECT
ANALYSIS        DEVELOPMENT      DESIGN           PROJECT         BOOK

   1               2               3                4               5
```

Review 1
Research Analysis
(10%)

Review 2
Design Development
(20%)

Review 3
Technical Design
(10%)

Final Review
Final Project
(50%)

Project Book
(10%)

IMPACT AND SUSTAINABILITY

Through the research and design process, students are expected to learn:
The mathematical knowledge that makes the design different;
The interesting theories from related fields allow them to think from different perspectives;
The knowledge about high-density public housing complexes;
The "placemaking" strategies that help form a better community;
The kinds of structure systems can help to formulate large-scale complex buildings;
The kinds of spatial quality can improve the connection among people;
The possible ways to apply the construction system: Modular Integrated Construction (MIC).

Besides, students are also expected to learn how to convert the research into the driving force of architectural design. How to transfer and quantify various aspects of research into specific mathematical parameters to connect the research with the design prototype. How to create their own unique toolboxes and use them to create design prototypes based on mathematics, geometry, algorithms, structural principles, etc.

METHODS

Closely connected to the research of our practice FUN, An integrated advanced architecture system will be the expected outcome.

01_Phase 1_Research Analysis
- Do research analysis of public housing in HK. The history, typology, rental, waitlist, typical examples, etc. Students will be divided into groups of 2, each group will focus on different topics and share knowledge with other groups.
- Do research analysis of the target group. Take the Sandwich Class Housing Scheme in HK as an

example, each student should analyze the target user group(s) she/he is interested in, the design should focus on the target user group(s) defined by the student. (Individual work)

- Pick the site of the project according to certain criteria and do the site analysis. Every student will pick one site in HK with existing buildings, remove several of them, and construct a new public housing complex using the land. Students are expected to do research analysis on all aspects of the sites they chose. (Individual work)
- Do research analysis of mathematical rules. Build the toolboxes and the geometric prototypes and test the prototypes by applying them to different situations under different constraints. Make sure the prototype is flexible and open enough to accommodate the different situations. (Individual work)
- Do research on Modular Integrated Construction (MIC), and understand the basics and potentials.
- Students are expected to learn some computer skills and structure knowledge to help their design process, some related workshops will be provided.

02_Phase 2_Design Development
Black and white drawing
- From this phase on, students will do individual work only.
- Find the architecture issues they want to tackle in their projects and start building the storyline.
- Define the clear mathematical prototype they will use to design their architectures.
- Design the Housing unit prototype based on the housing typology research and their mathematical prototypes.
- Design the basic form of the architecture by applying the mathematical rules and architectural rules together.
- The concept design should include a storyline, program distribution, conceptual structure system, conceptual construction ideas, etc. The scheme should show clearly the direction of further development.

03_Phase 3_Techinical Design
- In this phase, students will focus on the architecture design and the technical design at the same time.
- Students are expected to further develop their concept designs, at the same time more technical issues like regulations, structure issues, tectonic elements, construction methods, etc. should be considered and described in detail.
- Consultants will jump in to help with relevant issues.
- At the end of this phase, the project should be buildable.

04_Phase 4_Final Project
- The final phase is the last phase of the studio, students are supposed to look over all the materials they have in the past and finalize their design scheme.
- Finalize the storyline, and make sure the issues raised at the beginning of the study are answered properly.
- Finalize the architecture design according to all criteria, Tell the difference the rule-based design methodology has brought to the design.
- Finalize the technical design in all aspects, and make sure the architecture is buildable.
- Finish the presentation materials

DELIVERABLES

01_Midterm Review 1
- Prints out on 2 A1 panels showing the process

- One booklet showing the research analysis and findings on the topic
- Study models of the Housing Unit Prototype
- Study models of the Geometric Prototype
- Site model 1:200
- One PPT presentation shows the research, the site choosing process and the prototypes

02_Midterm Review 2
- Prints out on 8 A1 panels showing the process
- One booklet showing the research analysis and findings on the topic
- 1:50 model of the Housing   Unit Prototype
- 1:50 model of the Geometric Prototype
- 1:200 model showing the architecture concept design scheme
- One PPT presentation shows the design concept and the connection to the research analysis.

03_Midterm Review 3
- Prints out on 8 A1 panels showing the process
- 1:30 model showing the technical aspect
- 1:200 model showing the developed architecture design scheme
- One PPT presentation shows a comprehensive story of the whole project

04_Final Presentation
- Oral and graphical presentation of relevant materials from above in all formats. The final review is a celebration and exhibition of the overall work produced by students over a 3-day event and will include a diverse cross-section of international and regional experts relating to the studio research area.
- The final presentation is meant to be a crafted argument for a student's individual position statement using selected and supporting architectural vocabulary (models, drawings, animations, and experiences)

05_Project Book
- Physical/printed and bound portfolio documents with a common format across all students within the studio. This will include a written introduction to your overall project position, graphics of your design process, and a comprehensive technology report including design and construction details.

LEARNING OUTCOMES

1. **Ability** to create architectural designs that satisfy both aesthetic and technical requirements.
2. **Ability** to generate complex design proposals showing understanding of current architectural issues, originality in the application of subject knowledge and, where appropriate, to test new hypotheses and speculations.
3. **Ability** to evaluate and apply a comprehensive range of visual, oral and written media to test, analyse, critically appraise and explain design proposals.
4. **Ability** to assemble a comprehensive programme for an architecture project, including:
5. **Ability** to respond to natural and built site characteristics in the development of a programme and design of a project.
6. **Ability** to work cooperatively with others in a team setting.
7. **Ability** to discuss architectural ideas with non-architects, to listen objectively to their opinions and to consider those opinions in designing.
8. **Ability** to speak and write effectively on subject matters contained in the professional curriculum

in English.

9. **Ability** to use appropriate representational media, such as drawings, models, diagrams, charts, including computer technology, to convey essential design information at each stage of the programming and design process.
10. Understanding of the relationship between people and buildings, and between buildings and their environment, and the need to relate buildings and the spaces between them to human needs and scale.
11. Understanding of the methods of investigation and preparation of the brief for a design project.
12. Awareness of the theories and methods of inquiry that seek to show the relationship between human behaviour and the physical environment.
13. Understanding of the basic principles of sustainable development and architects' responsibilities with respect to the social, economic, and environmental sustainability in architecture and urban design.
14. Understanding of the principles of structural behaviour in withstanding gravity and lateral forces, and the range and appropriate applications of contemporary structural systems.
15. Knowledge of the fine arts as an influence on the quality of architectural design.
16. Adequate knowledge of the histories and theories of architecture and the related arts, technologies and human sciences.

ASSESSMENT SCHEME

0_Studio Drawing Assignment, September
The first week will be reserved for a shared drawing assignment within all studio groups. The drawing provocation will be issued by individual section tutors on the first day of the studio after course selection. The submission will be in a flexible format and all works will be part of an exhibition in the SOA Atrium.

1_Reviews (40%)
1. Review 1, October 2024 (10%) –Research Analysis
2. Review 2, December 2024 (20%) – Design Development
3. Review 3, March 2025 (10%) – Technical Design

2_Final Review (50%)
1. Final Project Presentation, May 2025 (50%) – Final Project

3_Project Book (10%)
1. Project Book has three parts: Position / Technology Report / Process.
2. To be started at the beginning of the year and reviewed throughout.

Each assessment result will be promptly released to students upon completion accompanied by written comments based on student progress and performance.

COURSE FORMAT

1_Group Work
1. Students may work in groups on various assignments and projects throughout the course calendar.
2. Final projects must be based on individual building design proposals. If the preliminary work shown was developed in partnership with other students – this must be explicitly stated and assessed accordingly.

2_Teaching Days
1. The Design Studio will be taught on Monday and Thursday 13:30 to 18:00. Students must be in a studio during these teaching hours.
2. Students must attend School Lectures scheduled 12:30 – 13:30.
3. Field trips, lectures, and other learning activities may be scheduled outside of teaching days.

3_Studio Spaces
1. Each Studio will have their own space, accommodating a desk for each student.
2. Layouts will be issued at the start of the academic year.
3. The school has made studio space and use a priority. Students should maximise the use of their space by conducting design work in studio.
4. Working in the studio creates an opportunity for peer learning and collaboration – take advantage of this valuable resource.
5. Studio space should be respected – especially with consideration of food, drinking, material use, personal safety, disruption to others, and building safety regulations. Areas relating to fire escape should be always kept clear.

4_Group Pinups
There are five informal scheduled pinups for sharing across different studio units. These are designed to give students practice in orally presenting the priorities of their research, investigations, and design interests.

TECHNICAL DESIGN

Building and structural systems support will be coordinated by Prof. Shuaizhong WANG beginning in term 2 and ahead of the Technical Design assessment. Consultations with experts will assist in adding a stronger technical focus and key design element to a studio design project. Sessions can be scheduled by studio groups, and with individuals. Students are recommended to prepare appropriately ahead of those consultations with their own research, drawings, and materials to maximise this resource.

FIELD TRIP

A couple of field trips in HK and Shenzhen will be arranged.

REQUIRED READINGS

The Death and Life of Great American Cities, Jane Jacobs 1961, 1992 Vintage; Reissue edition
Origins of Form
Williams, Christopher, 1995, Taylor Trade Publishing, Architectural Geometry
Helmut Pottmann / Andreas Asperl / Michael Hofer / Axel Kilian, 2007 , Bentley Institute Press
Tilings and Patterns, Branko Grunbaum / G. C. Shephard, 1989, W H Freeman & Co (Sd)
Informal, Cecil Balmond, 2002, Prestel
Digital Culture in Architecture: An Introduction for the Design Professions, Antoine Picon, 2010, Birkhäuser Architecture
Form and Forces__ Designing Efficient, Expressive Structures, Edward Allen / Wacław Zalewski / Nicole Michel / Boston Structures Group, 2009, John Wiley and Sons Ltd
The Art of Structures, Aurelio Muttoni,   2011, EPFL Press
Architectures of time__ Toward a Theory of the Event in Modernist Culture, Sanford Kwinter, 2002, MIT Press

OTHER REFERENCES

ARCHITECTURE AND COMPLEXITY

Architecture and Complexity Conference
https://www.youtube.com/watch?v=TZ2Zv6lMcwQ&list=PLI1nDzeohfnk05dTBOxamSebSuZ3PCbl3&index=1
Part1--- Charles Jencks
https://www.youtube.com/watch?v=MFWjfyNaYMY&list=PLI1nDzeohfnk05dTBOxamSebSuZ3PCbl3&index=2
Part 2--- Brian Goodwin, Rob Shaw
https://www.youtube.com/watch?v=tOQrD0PCIFs&list=PLI1nDzeohfnk05dTBOxamSebSuZ3PCbl3&index=3
Part 3--- Peter Eisenman
https://www.youtube.com/watch?v=inBZXevhEuY&list=PLI1nDzeohfnk05dTBOxamSebSuZ3PCbl3&index=4
Part 4--- Greg Lynn
https://www.youtube.com/watch?v=5KhO3UeXNj4&list=PLI1nDzeohfnk05dTBOxamSebSuZ3PCbl3&index=5
Part 5--- Sanford Kwinter
https://www.youtube.com/watch?v=Ex1Cl3k3do8&list=PLI1nDzeohfnk05dTBOxamSebSuZ3PCbl3&index=6
Part 6--- Rem Koolhaas
https://www.youtube.com/watch?v=tkdbWXmKPtY&list=PLI1nDzeohfnk05dTBOxamSebSuZ3PCbl3&index=7
Part 7--- Panel Discussion

PHILOSOPHY

Manuel Delanda

Deleuze-Morphogenesis-and-Population-Thinking
https://www.youtube.com/watch?v=5HSMTUZ64bY
Digital Consortium Lecture Architecture + Philosophy
https://www.youtube.com/watch?v=1xJwZcpDnoY
A Thousand Years of Non-Linear History
https://www.youtube.com/watch?v=u3aE3Z6llMc
Assemblage Theory, Society, and Deleuze.
https://www.youtube.com/watch?v=J-I5e7ixw78
Deleuze and the Use of the Genetic Algorithm in Architecture
https://www.youtube.com/watch?v=50-d_J0hKz0&t=1047s

PLACE MAKING

Rob Tullis Place Making lectures
https://www.youtube.com/watch?v=gJn8obSVJNk   Thought
https://www.youtube.com/watch?v=LN8eLZ4xno0   Form
https://www.youtube.com/watch?v=ws_MaSTOXs0   Activity
https://www.youtube.com/watch?v=VNX5uGU1T5k   Sense of place

STRUCTURE, GEOMETRY, AND ARCHITECTURE DESIGN

Klaus Bollinger
Open systems & structural design
https://www.youtube.com/watch?v=PNVuR3jt4II
From Purist Design Concepts to Complex Geometries
https://www.youtube.com/watch?v=pXIU570Nj-0

Zhun Zhang
Feeling. Structure. Clues
https://www.bilibili.com/video/BV1ai4y1A7E9?from=search&seid=1896191370698660791

John Ochsendorf
Form and Forces
https://www.youtube.com/watch?v=r-tG68WvNDM

Gilles Retsin
Public lecture - Gilles Retsin, Live Academy
https://www.youtube.com/watch?v=Jtvr3fQi7HQ
Lecture at HKU: Gilles Retsin + Olivier Ottevaere
https://www.bilibili.com/video/BV1vy4y1S7hH?from=search&seid=3355642125940747695

Cecil Balmond
Jessen Lecture: Cecil Balmond, "Informal Space," September 6, 2017
https://www.youtube.com/watch?v=Y8qJtamN7yM

Philip Block
Strength through Geometry
https://www.youtube.com/watch?v=a4NJCuJ1geg
Stone Skins: New Masonry Shells
https://www.youtube.com/watch?v=1Lk8wihM22s

MATHEMATICS
Mathworld
https://mathworld.wolfram.com/

IMPORTANT NOTE TO STUDENTS

Expectations for Professional Conduct

The motto of The Chinese University of Hong Kong (CUHK) is "Through learning and temperance to virtue". This motto places equal emphasis on the intellectual and moral education of students. In addition to pursuing academic excellence, students of CUHK are expected to maintain and uphold the highest standard of integrity and honesty in their academic and personal lives, respect the rights of others and abide by the law. More information on Postgraduate studies can be found in the PG Student Handbook. https://www.gs.cuhk.edu.hk/

Attendance

Class attendance is required in all courses. For an excused absence, the instructor must be notified and presented with documentation of illness or personal matter. Please note: **Three (3)** or more unexcused absences may result in a failing grade for the course.

Academic Honesty

The Chinese University of Hong Kong places very high importance on honesty in academic work submitted by students and adopts a policy of zero tolerance on academic dishonesty

Attention is drawn to University policy and regulations on honesty in academic work, and to the disciplinary guidelines and procedures applicable to breaches of such policy and regulations. Details may be found at: http://www.cuhk.edu.hk/policy/academichonesty/.

With each assignment, students may be required to submit a statement that they are aware of these policies, regulations, guidelines and procedures.

Third-Party Assistance

All intellectual work essential to the design project must be completed by the student and cannot, under any circumstance, be outsourced to a third party (including, but not limited to a company, consultant, alumni, and/or friend).

In the design studio context, students may utilize external resources, such as printing services for presentation materials, and/or laser cutting and 3D printing services for prototyping purposes. Use of such third-party services constitutes non-intellectual work done by others. It is only permitted with prior written consent from the studio tutor and acknowledgment of such work done by the third party.

Assistance from other students or friends for aspects of project production also constitutes non-intellectual work done by others; this is allowed only if declared and acknowledged in a written statement attached to any such work that has received assistance.

Under all circumstances, students must declare all work done by others by completing the school's designated form before assessment. This form must include a detailed explanation of the third party's identity (name and relationship to the student), when and how they were utilized, and the specific tasks they performed in the project. The completed form, signed by the student, must be endorsed by the tutor and presented during the final review. The school will collect and retain this form for record-keeping purposes.

Failure to follow this code of conduct may be considered a case of academic dishonesty, to be reviewed by a disciplinary board, and possible failure of the course.

Artificial Intelligence

Unless approved by the Programme or School Director, any use of AI tools such as ChatGPT or image generation tools (Midjourney) etc. is strictly prohibited and may result in disciplinary action in accordance with university policy on academic honesty. Students may refer to the CUHK 'Use of Artificial Intelligence tools in Teaching, Learning and Assessments' – A Guide for Students.

Student Work

Submission of studio documentation must be complete and correctly formatted. Missing or incomplete submission of the documentation folder will result in the grade for the course being withheld. This will prevent registration for the following term or delay graduation. In addition, a grade deduction of *one letter grade* will be made.

SCHEDULE

Important Dates

0_Studio Selection for Students. 02 SEP 2024
1_Studio Drawing Assignment 05-12 SEP 2024

2_ Reviews (40%)
Review 1, 28-31 OCT 2024 (10%)
Review 2, 09-12 DEC 2024 (20%)
Review 3, 03-06 MAR 2025 (10%)

3_Final Review (50%)
Final Project Presentation, 06-08 MAY 2025 (50%)

4_Project Book (10%)
Project Book, 17 MAY 2025

5_HKIA EXHIBITION
Tutors are to collect all studio materials for the HKIA Exhibition before 25 MAY 2025.

Term 1: 2 September 2024 (Monday) – 12 December 2024 (Thursday)

WEEK 01		
02.09	**ORIENTATION & STUDIO PRESENTATION**	**Studio Selection for Students**
06.09	**DAY_01 OF STUDIO**	**Studio Sections Announced** **Drawing Assignment 00** **Introduction of the studio and lecture on rule-based design methodology**
WEEK 02		
09.09		**Research analysis of public housing in HK.** **Research analysis of the target group**
12.09		**Drawing Exhibition – and Review (12:30-13:30)** **Research analysis of public housing in HK.** **Research analysis of the target group**
WEEK 03		
16.09		**Research analysis of public housing in HK.** **Research analysis of the target group**
19.09		**Research analysis of public housing in HK.** **Research analysis of the target group**
WEEK 04		
23.09		**Research analysis of public housing in HK.** **Research analysis of the target group** **Pick the site of the project according to certain criteria and do the site analysis.**
26.09		**Research analysis of public housing in HK.** **Research analysis of the target group** **Pick the site of the project according to certain criteria and do the site analysis.**
WEEK 05		
30.09		**Research analysis of mathematical rules.** **Research on Modular Integrated Construction (MIC)**
03.10		**Research analysis of mathematical rules.** **Research on Modular Integrated Construction (MIC)**
WEEK 06		
07.10		**Research analysis of mathematical rules.** **Research on Modular Integrated Construction (MIC)**
10.10		**Research analysis of mathematical rules.** **Research on Modular Integrated Construction (MIC)**
WEEK 07		
14.10		PINUP_01
17.10		**Research analysis of mathematical rules.**
WEEK 08		
21.10		**Prepare for review**
24.10		**Prepare for review**
WEEK 09		

28.10		**Review 1/3**
31.10		**REVIEW 1/3**

WEEK 10		
04.11		**Find the architecture issues you want to tackle in your projects and start building the storyline. Define the clear mathematical prototype you will use to design your architectures.**
07.11		**Find the architecture issues you want to tackle in your projects and start building the storyline. Define the clear mathematical prototype you will use to design your architectures.**
WEEK 11		
11.11		**Design the Housing units prototype based on the housing typology research you're your mathematical prototypes.**
14.11		**Design the Housing units prototype based on the housing typology research you're your mathematical prototypes.**
WEEK 12		
18.11		PINUP_02
21.11		**Design the Housing units prototype based on the housing typology research you're your mathematical prototypes.**
WEEK 13		
25.11		**Design the basic form of the architecture by applying the mathematical rules and architectural rules together.**
28.11	Last Day of Teaching	**Design the basic form of the architecture by applying the mathematical rules and architectural rules together.**
WEEK 14		
02.12		**Prepare for review**
25.12		**Prepare for review**
WEEK 15		
09.12	**REVIEW**	**REVIEW 2/3**
12.12		**REVIEW 2/3**

Term 2: 6 January 2025 (Monday) – 17 May 2025 (Friday)

WEEK 19	
06.01	**Further develop the concept design, concerning regulations**
10.01	**Further develop the concept design, concerning regulations**

WEEK 20	
13.01	**Further develop the concept design, concerning structure issues**
17.01	**Further develop the concept design, concerning structure issues**

WEEK 21	
20.01	PINUP_03
23.01	**Further develop the concept design, concerning tectonic elements**

WEEK 22	
27.01	**Further develop the concept design, concerning tectonic elements**
30.01	**University Lunar New Year Vacation (28-02 Feb)**

WEEK 23	
03.02	**Further develop the concept design, concerning construction methods**
06.02	**Further develop the concept design, concerning construction methods**

WEEK 24	
10.02	**Further develop the concept design, concerning construction methods**
20.02	**Further develop the concept design, concerning construction methods**

WEEK 25	
17.02	PINUP_04
20.02	**Further develop the concept design, concerning place making.**

WEEK 26	
24.02	**Prepare for review**
27.02	**Prepare for review**

WEEK 27	
03.03	**REVIEW 3/3**
06.03	**REVIEW 3/3**

WEEK 28		
10.03		**Finalize the architecture design according to all criteria.**
13.03		**Finalize the architecture design according to all criteria.**
WEEK 29		
17.03		**Finalize the architecture design according to all criteria.**
20.03		**Finalize the architecture design according to all criteria.**
WEEK 30		
24.03		**Finalize the architecture design according to all criteria.**
27.03		**Finalize the architecture design according to all criteria.**
WEEK 31		
31.03		**Finalize the technical design in all aspects**
03.04		**Finalize the technical design in all aspects**
WEEK 32		
07.04		PINUP_05
10.04		**Finalize the technical design in all aspects.**
WEEK 33		
14.04		**Finalize the storyline, and make sure the issues raised at the beginning of the study are answered properly**
17.04		**Finalize the storyline, and make sure the issues raised at the beginning of the study are answered properly**
WEEK 34		
21.04		**Easter Holiday**
24.04		**Prepare for review**
WEEK 35		
28.04		**Prepare for review**
01.05		**Labour Day**
WEEK 36		
05.05		**Buddha's Birthday**
08.05		**Final Review (06-08)**
WEEK 37		
12.05		
17.05		**Project Book Submission (17/5)**

MArch Studio Review

Written Feedback to Students

Term: _____

Grade: _____

Review: _____

Studio Tutor: _____

Student Name: _____

Student ID: _____

Feedback from Studio Tutor:

Achievements:

Challenges:

Academic Honesty Statement

*Please print out and pin-up next to your works on your allocated panels

Relating to the 2024-25 Term 2 Studio Review pin-up (MArch students)

Please tick one of the following:

☐   All the work and models presented at the Final Review were made by me personally

☐   All the work and models presented at the Final Review were made by me.

     with the exception of the following:

Under all circumstances, students must declare all work done by others by completing this form before the review. Provide a detailed explanation of the third party's identity (name and relationship to the student), when and how they were utilized, and the specific tasks they performed in the project.

Student's Name: _____   Date: _____

Signature: _____

Tutor's Name: _____   Date: _____

Signature: _____

建築中大 School of Architecture
THE CHINESE UNIVERSITY OF HONG KONG

Grade	Descriptor	Criteria	Points
A	Excellent	Comprehensively excellent performance on all aspects of the design intention, development, technical resolution and presentation. Achieving all learning outcomes with distinction.	4
A-	Very Good	Generally outstanding performance on the design intention, development, technical resolution and presentation. Achieving all learning outcomes with merit.	3.7
B+	Good	Substantial performance on the design intention, development, technical resolution and presentation. Achieving all learning outcomes satisfactorily.	3.3
B			3
B-			2.7
C+	Fair	Fair performance on the design intention, development, technical resolution and presentation. Achieving all learning outcomes at a passing standard.	2.3
C			2
C-			1.7
D+	Pass	Barely satisfactory performance on the design intention, development, technical resolution and presentation. Achieving all learning outcomes at a barely satisfactory standard.	1.3
D			1
F	Failure	Unsatisfactory performance on the design intention, development, technical resolution and presentation. Not achieving all learning outcomes.	0

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