

20.305

Conservation Theories and Approaches of Built Heritage

Lead Instructor

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Guest Instructors

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Course Description

This course will acquaint participants with the discipline of architectural conservation, its origins, developments and inherent contradictions. The course will cover the range of scales of conservation, from the smallest denominator of artifact conservation to large-scale urban conservation. Students will be better positioned to appreciate and approach the question of conservation/preservation versus development/demolition and better prepared to understand the process, techniques, standards, and other considerations that define a high quality conservation effort upon the completion of the course. Case-studies in Singapore and the region will be introduced.

Learning Objectives

After successful completion of the subject, students will be able to:

- Recognise and appreciate the range/spectrum of conservation, i.e. macro to micro or from built form to artifact
- Explain key theoretical aspects of built heritage and its conservation as well as the application of relevant philosophies and international charters on practices, especially those related to Singapore and the region
- Synthesize conservation approaches related to different types of the built form and its management
- Develop decision-making methodology in conservation intervention

Measurable Outcomes

Achievement of the Learning Objectives will be measured in terms of the student's ability to:

- Explain and apply conservation principles knowledge to case-studies
- Interpret the impact of specific historical, cultural and economic conditions in different contexts has on the understanding and application of conservation principles
- Describe conservation in the Asian context as an emerging discipline
- Formulate and evaluate new design challenges when responding to historic buildings
- Appraise and deliver a written, oral and/or graphic presentation of an architectural conservation case study

Course Syllabus

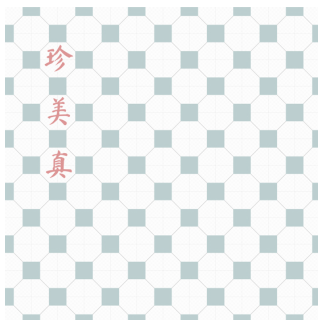
Instead of employing a chronological structure (ASD 20.305: Conservation Theories and Approaches of Built Heritage), this course and readings are grouped into thematic areas of exposition.

Topics on authenticity, ethics, legislative processes, material conservation, theories and how the complexities of these issues have created conservation frameworks for architectural historiography, theory, and design in a variety of cultural contexts will be examined.

The class will discuss conservation of architecture in relation to major paradigms of thought, artistic explorations in other media, and social transformations related to developments in politics, technology, science, religion and cultural exchange.

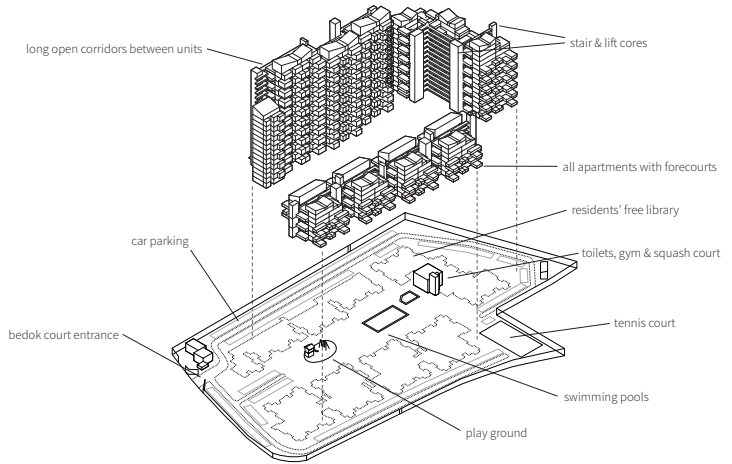


Instagram Outreach Assignment



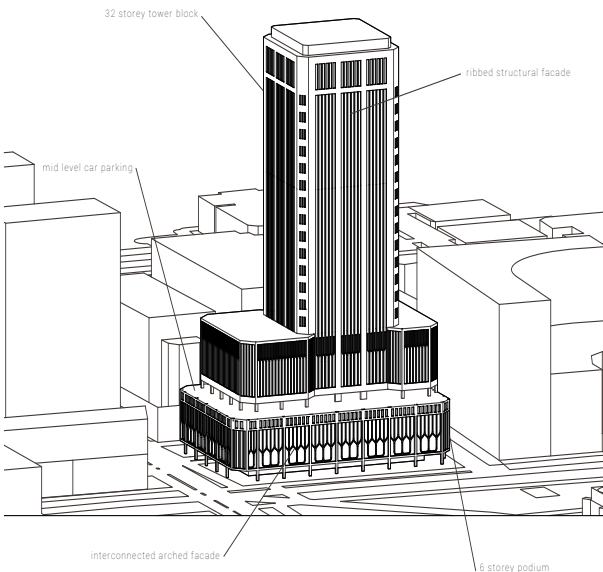
Made in Singapore Assignment

<Bedok Court, Associated Group Architects>
 function: residential
 site: Bedok South Ave 3
 - near Tanah Merah MRT station
 - completed mid 1985
 - socio-climatic design
 - a hierarchy of 'courts'
 - tight resident community
 - gardening in the sky
 - Chia Sheng Wei (2020)



Exploded axonometric view of bedok court

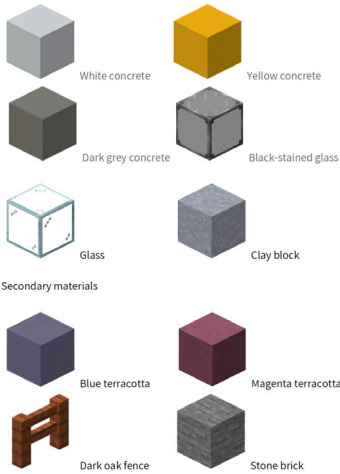
<Peninsula Plaza, Alfred Wong Partnership>
 function: podium (shopping) + block (office spaces)
 site: north bridge road, singapore
 - 3-volume sizings to break down scale of overall massing
 - each volume caters to the scale for the street and surrounding buildings
 - facade expression forms dialogue with neighbouring cathedral
 - Teo Shao Tian (2020)



Axonometric view of peninsula plaza and photograph of its facade



Minecraft Assignment



<Golden Mile Complex,
Design Partnership>
minecraft modelling
inherent “inaccurate”
3d representation as
a technique to distill
the architectural
characteristics of the
building

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Chan Jia Qi Audrey
Lun Ci Min
Wang Yukun
Low Ming Hui Rachel
Natasha Yeo Min
(2020)

