Annexe A: New/Revised Course Content in OBTL+ Format

Course Overview

Expected Implementation in Academic Year (New format)	AY2024-2025
Semester/Trimester/Others (specify approx. Start/End date)	Semester 1
Course Author * Faculty proposing/revising the course	Lee-Chua Lee Hong
Course Author Email	clhlee@ntu.edu.sg
Course Title	Seminars on Built Environment
Course Code	EN4711
Academic Units	1
Contact Hours	13
Research Experience Components	Not Applicable

Course Requisites (if applicable)

Pre-requisites	Nil
Co-requisites	Nil
Pre-requisite to	Nil
Mutually exclusive to	Nil
Replacement course to	Nil
Remarks (if any)	

Course Aims

The course aims to give students a better appreciation of the built environment (BE) sector's contributions in building and operating modern Singapore, so as to convey a higher sense of purpose and infuse excitement to join the BE sector. Furthermore, the course aims to prepare students for work by understanding the new transformation areas in the BE sector and the inter-disciplinary processes involved. The seminars are conducted by guest speakers from industries and faculty members experienced in these areas.

Course's Intended Learning Outcomes (ILOs)

Upon the successful completion of this course, you (student) would be able to:

ILO 1	Appreciate the contributions of Built Environment (BE) sector in building and operating modern Singapore.
ILO 2	Understand the new transformation areas in the BE sector and the inter-disciplinary processed involved.
ILO 3	Know history and background of the BE sector, ecosystem and challenges of the sector, professional pathways and competency development, as well as prospects and outlook.

Course Content

In general, this course consists of a series of seminars, which covers several key focus areas in BE sector, such as history and background of the BE sector, ecosystem and challenges of the sector, new transformation areas in the BE sector and the inter-disciplinary processed involved, professional pathways and competency development, as well as prospects and outlook.

Reading and References (if applicable)

Not applicable.

Planned Schedule

Week or Session	Topics or Themes	ILO	Delivery Mode	Activities	Readings
1	Introduction	1,2,3	In-person	Seminar Sharing	Seminar's materials
2	Seminars on key focus areas in BE sector, such as history and background of the BE sector, ecosystem and challenges of the sector, new transformation areas in the BE sector and the inter-disciplinary processed involved, professional pathways and competency development, as well as prospects and outlook.	1,2,3	In-person	Seminar Sharing	Seminar's materials
3	Seminars on key focus areas in BE sector, such as history and background of the BE sector, ecosystem and challenges of the sector, new transformation areas in the BE sector and the inter-disciplinary processed involved, professional pathways and competency development, as well as prospects and outlook.	1,2,3	In-person	Seminar Sharing	Seminar's materials

Week or Session	Topics or Themes	ILO	Delivery Mode	Activities	Readings
4	Seminars on key focus areas in BE sector, such as history and background of the BE sector, ecosystem and challenges of the sector, new transformation areas in the BE sector and the inter-disciplinary processed involved, professional pathways and competency development, as well as prospects and outlook.	1,2,3	In-person	Seminar Sharing	Seminar's materials
5	Seminars on key focus areas in BE sector, such as history and background of the BE sector, ecosystem and challenges of the sector, new transformation areas in the BE sector and the inter-disciplinary processed involved, professional pathways and competency development, as well as prospects and outlook.	1,2,3	In-person	Seminar Sharing	Seminar's materials

Week or Session	Topics or Themes	ILO	Delivery Mode	Activities	Readings
6	Seminars on key focus areas in BE sector, such as history and background of the BE sector, ecosystem and challenges of the sector, new transformation areas in the BE sector and the inter-disciplinary processed involved, professional pathways and competency development, as well as prospects and outlook.	1,2,3	In-person	Seminar Sharing	Seminar's materials
7	Seminars on key focus areas in BE sector, such as history and background of the BE sector, ecosystem and challenges of the sector, new transformation areas in the BE sector and the inter-disciplinary processed involved, professional pathways and competency development, as well as prospects and outlook.	1,2,3	In-person	Seminar Sharing	Seminar's materials

Week or Session	Topics or Themes	ILO	Delivery Mode	Activities	Readings
8	Seminars on key focus areas in BE sector, such as history and background of the BE sector, ecosystem and challenges of the sector, new transformation areas in the BE sector and the inter-disciplinary processed involved, professional pathways and competency development, as well as prospects and outlook.	1,2,3	In-person	Seminar Sharing	Seminar's materials
9	Seminars on key focus areas in BE sector, such as history and background of the BE sector, ecosystem and challenges of the sector, new transformation areas in the BE sector and the inter-disciplinary processed involved, professional pathways and competency development, as well as prospects and outlook.	1,2,3	In-person	Seminar Sharing	Seminar's materials

Week or Session	Topics or Themes	ILO	Delivery Mode	Activities	Readings
10	Seminars on key focus areas in BE sector, such as history and background of the BE sector, ecosystem and challenges of the sector, new transformation areas in the BE sector and the inter-disciplinary processed involved, professional pathways and competency development, as well as prospects and outlook.	1,2,3	In-person	Seminar Sharing	Seminar's materials
11	Seminars on key focus areas in BE sector, such as history and background of the BE sector, ecosystem and challenges of the sector, new transformation areas in the BE sector and the inter-disciplinary processed involved, professional pathways and competency development, as well as prospects and outlook.	1,2,3	In-person	Seminar Sharing	Seminar's materials

Week or Session	Topics or Themes	ILO	Delivery Mode	Activities	Readings
12	Seminars on key focus areas in BE sector, such as history and background of the BE sector, ecosystem and challenges of the sector, new transformation areas in the BE sector and the inter-disciplinary processed involved, professional pathways and competency development, as well as prospects and outlook.	1,2,3	In-person	Seminar Sharing	Seminar's materials
13	Seminars on key focus areas in BE sector, such as history and background of the BE sector, ecosystem and challenges of the sector, new transformation areas in the BE sector and the inter-disciplinary processed involved, professional pathways and competency development, as well as prospects and outlook.	1,2,3	In-person	Seminar Sharing	Seminar's materials

Learning and Teaching Approach

Approach	How does this approach support you in achieving the learning outcomes?
Introduction	Provide necessary information related to the objectives, relevant background and motivation of the course.
Seminars	Equip you knowledges on different professional aspects of civil and environmental engineering practices.
Report	Develop the skills to write and summarise the key observations of what you have learn from the seminars.

Assessment Structure

Assessment Components (includes both continuous and summative assessment)

No.	Component	ILO	Related PLO or Accreditation	Weightage	Description of Assessment Component	Team/Individual	Rubrics	Level of Understanding
1	Continuous Assessment (CA): Report/Case study(Final Report)	1,2,3	f, g, h. l	100		Individual	Analytic	Relational

Description of Assessment Components (if applicable)

Each student will need to submit a short technical report of around 4 pages.

This course will only be graded as 'Passed or Failed'.

Formative Feedback

Rubrics for the report have been provided. You are encouraged to check your report against the rubrics before submitting.

You are encouraged to ask questions during and after the seminars so as to get feedback on your thinking

NTU Graduate Attributes/Competency Mapping

This course intends to develop the following graduate attributes and competencies (maximum 5 most relevant)

Attributes/Competency	Level
Care for Environment	Intermediate
Developing People	Basic
Global Perspective	Intermediate

Course Policy

Policy (Academic Integrity)

Good academic work depends on honesty and ethical behaviour. The quality of your work as a student relies on adhering to the principles of academic integrity and to the NTU Honour Code, a set of values shared by the whole university community. Truth, Trust and Justice are at the core of NTU's shared values. As a student, it is important that you recognize your responsibilities in understanding and applying the principles of academic integrity in all the work you do at NTU. Not knowing what is involved in maintaining academic integrity does not excuse academic dishonesty. You need to actively equip yourself with strategies to avoid all forms of academic dishonesty, including plagiarism, academic fraud, collusion and cheating. If you are uncertain of the definitions of any of these terms, you should go to the academic integrity website for more information. On the use of technological tools (such as Generative AI tools), different courses / assignments have different intended learning outcomes. Students should refer to the specific assignment instructions on their use and requirements and/or consult your instructors on how you can use these tools to help your learning. Consult your instructor(s) if you need any clarification about the requirements of academic integrity in the course.

Policy (General)

As a student of the course, you are required to abide by both the University Code of Conduct and the Student Code of Conduct. The Codes provide information on the responsibilities of all NTU students, as well as examples of misconduct and details about how students can report suspected misconduct. The university also has the Student Mental Health Policy. The Policy states the University's commitment to providing a supportive environment for the holistic development of students, including the improvement of your mental health and wellbeing.

Policy (Absenteeism)

You are expected to attend all seminars for this course.

Policy (Others, if applicable)

This course will adopt NTU's policy on the use of AI for take-home assignments and reports, and project reports and presentation slides. More details could be found via the link https://entuedu.sharepoint.com/sites/Student/dept/ctlp/SitePages/Exploring-the-Impact-of-Generative-Artificial-Intelligence-(GAI)-Tools-on-Education.aspx#1-proper-citations-and-acknowledgements

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