

The University of Hong Kong
Department of Mechanical Engineering
EMEE6007 Energy and Carbon Audit
Teaching Schedule
2025 – 2026 First Semester

- Lecture: Tuesday, 19:00 – 21:30 (2.5 hours)
- Venue: MWT7
- Lecturers: Dr. Michael W.H. Ching
Ir Raymond C.L. Fong

Date	Topics	Lecturer
2 Sept 2025	Introduction to Energy and Carbon Audit	Michael Ching
9 Sept 2025	Central Building Services Installations	
16 Sept 2025	Building Energy/ Audit Code	
23 Sept 2025	Energy Saving Opportunity 1	
30 Sept 2025	Energy Saving Opportunity 2	
7 Oct 2025	<i>No Class [Public Holiday]</i>	
14 Oct 2025	<i>No Class [Reading Week]</i>	
18 Oct 2025 (Sat)	Site Visit: TBC 09:30 – 10:30 or 11:00 – 12:00	
21 Oct 2025	Mid-term Test and Revision	
28 Oct 2025	Energy Audit for Industries (Cleaner Production Audit)	Raymond Fong
4 Nov 2025	- Greenhouse Gases Accounting & Reporting (Greenhouse Gas Protocol, ISO standards) - Life Cycle Assessment (LCA)	
11 Nov 2025	- Carbon and energy audit compared - Carbon management: Carbon neutrality and Science-based Net Zero Targets	
18 Nov 2025	- Carbon management: Carbon mitigation and removals, Voluntary Carbon Credits	
25 Nov 2025	- Carbon management in ESG context - Revision	
TBC	Examination	Michael Ching Raymond Fong

Assessment

Mid-term Test – 40% (21 Oct 2025)

1.5-hour closed book test – Multiple Choice and Short Questions

Examination – 60%

2-hour closed book examination – Attempt 5 Questions out of 6 Questions