

## MECH4429 Integrated Capstone Experience

Capstone Project for Building Services Engineering  
<http://me.hku.hk/bse/capstone/>

### Building Services Systems for Adaptive Re-use of Eliot Hall and May Hall

#### Semester 2: Technical Analysis – Time Schedule

Wednesday 14:30-17:30, Venue: CPD 2.14, 2/F HKU Centennial Campus

Work Stages	Week	Date	Description	Deliverables
Literature Study	1	20-Jan-2016	Feedbacks + Introduction	Confirmed title and study objectives
	2	27-Jan-2016	Project Meetings	
	3	03-Feb-2016	Project Meetings	Reference list and literature review chapter
Methodology	4	10-Feb-2016	[Chinese New Year holiday] (No class)	
	5	17-Feb-2016	Project Meetings	Proposed study/research methods
Technical Analysis	6	24-Feb-2016	Project Meetings	
	7	02-Mar-2016	Project Meetings	
	8	09-Mar-2016	[Reading/field trip week] 7_12-Mar-2016	
	9	16-Mar-2016	[HKU Foundation Day holiday] (No class)	Analysis results and evaluation
Report Writing	10	23-Mar-2016	Project Meetings	
	11	30-Mar-2016	Project Meetings	
	12	06-Apr-2016	Project Meetings	Draft technical report
	13	13-Apr-2016	<b>Semester 2 Presentation</b>	Oral presentation materials
	14	20-Apr-2016	Deadline for submitting <b>Semester 2 Report</b>	Technical report (final)

Students should develop individual study and writing skills in the technical analysis. They should discuss with the tutors in order to formulate the study methods for the technical analysis. The important deliverables at different work stages are identified in the above table. Students are responsible for preparing and submit them to the tutors for review. Students should manage their time and plan all activities related to the study in order to finish the work within the given time limit. The working attitude of the students will be assessed continuously during different work stages. Relevant guidelines and information can be found on the following resources web page.

Resources -- Technical Analysis [http://me.hku.hk/bse/capstone/resources\\_technical\\_analysis.htm](http://me.hku.hk/bse/capstone/resources_technical_analysis.htm)

**Proposed Topics for Technical Analysis:**

Ref.	Student Name and Project Title	Main Tutor	
1	2012524773 Mr. Au-yeung Tsz Fung Jethro Fire services fire risk and harzard analysis of Eliot Hall and May Hall	Dr. Benjamin Ho	
2	2012534895 Mr. Chan Chi Fung Analysis of indoor air quality for the Eliot Hall and May Hall	Dr. Benjamin Ho	
3	2013708388 Mr. Chan Kwan Ho Analysis of fire engineering approach of Eliot Hall and May Hall	Dr. Benjamin Ho	
4	2013702061 Mr. Chung Chi Kuen Heat recovery system analysis??	Dr. Benjamin Ho	
5	3035043049 Mr. Kwan Yan Kit Analysis of replacement of sprinkler system by water mist system in Eliot Hall and May Hall	Dr. Benjamin Ho	
6	2012522608 Mr. Lam Chun Ki Lighting systems: Daylighting analysis??	Dr. Sam Hui	
7	2013701457 Miss Lau Ho Yee Escape and emergency evacuation analysis for adaptive reuse of Eliot Hall and May Hall	Dr. Benjamin Ho	
8	3035045669 Mr. Lau Ka Keung Sustainability analysis??, focus on the solar energy system	Dr. Sam Hui	
9	3035070341 Mr. Lau Ka Lok Sustainability Analysis??	Dr. Sam Hui	
10	3035043623 Mr. Law Ka Ho Building information modelling (BIM) analysis in Eliot Hall and May Hall	Dr. Benjamin Ho	
11	3035071931 Miss Leung Fai Ki Building energy performance of May Hall and Eliot Hall	Dr. Sam Hui	
12	3035074555 Mr. Pan Tin Yuet Green building design analysis on May Hall & Eliot Hall	Dr. Sam Hui	
13	2012516556 Mr. So Pui Man Lighting energy and cost saving potential at Eliot Hall and May Hall	Dr. Sam Hui	
14	3035070846 Mr. Suen Ka Ho Green building assessment analysis of May Hall and Eliot Hall	Dr. Sam Hui	
15	3035041950 Mr. Tse Chi Tung How can solar photovoltaic system be applied on heritage building?	Dr. Sam Hui	
16	2013707645 Mr. Wong Ho Ching Fire risk and emergency escape plan analysis of Eliot Hall and May Hall	Dr. Benjamin Ho	
17	2013710862 Mr. Wong Hong Yip Edwin Indoor and outdoor lighting analysis for Eliot Hall and May Hall	Dr. Sam Hui	
18	3035072789 Mr. Wong Tsz Wai Franco Electrical fault analysis of Eliot Hall and May Hall	Dr. Sam Hui	
19	2013706263 Miss Yim Wai Nga Applying Building Energy Code analysis to the Eliot Hall and May Hall	Dr. Sam Hui	
20	3035070183 Mr. Ying Sen Sustainability analysis??	Dr. Sam Hui	
21	2012515370 Mr. Zeng Ruoli Analysis of building information modelling (BIM) for adaptive reuse of Eliot Hall and May Hall	Dr. Benjamin Ho	