

MEBS6020 Sustainable Building Design

<http://me.hku.hk/bse/MEBS6020/>

Assignment 02: Assessment and Analysis of Sustainable Building Projects

The HKU Centennial Campus (香港大學百周年校園) has achieved LEED NC and BEAM Plus NB certifications with a Platinum rating. This project has adopted many green building design features. To understand the meaning of sustainable building, it is important to assess the green building design and analyse the actual performance of the buildings.



Useful information:

US Green Building Council LEED NC 2009 points for the project

<http://www.usgbc.org/projects/hku-centennial-campus>

Green Building Information Gateway (GBIG): HKU Centennial Campus

<http://www.gbig.org/activities/leed-1000004994>

HKU Centennial Campus LEED Platinum Certification Fact Sheet

http://www.cpao.hku.hk/media/130326_fact_sheet.pdf

Student case study: CUHK SENV 7006 - Centennial Campus: Total Building Performance

<https://sites.google.com/site/centennialcampusstudy/>

You are asked to critically evaluate the green building design of the HKU Centennial Campus and identify possible methods for the analysis of actual building performance. You should prepare a technical report of not more than 15 nos. of A4 pages to explain the findings of the investigation in a systematic and logical manner. The contents of the report shall address the following aspects. Other important issues may also be included.

- (a) Evaluation of the information of the green building certifications (mainly LEED).
- (b) Assessment of the green building design features adopted and/or considered.
- (c) Identification of possible methods for the analysis of actual building performance.
- (d) Discussions on the value of green building certification.

The report shall be submitted in electronic format (PDF file) to the Moodle of MEBS6020. If appropriate, a list of references should be provided at the end of the report.