

MEBS6020 Sustainable Building Design

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

Assignment 01: Planning a Sustainable Building Project

The University of Hong Kong (HKU) is considering the redevelopment of an old student hall residence and would like to include sustainability in the project brief and development strategy. As the specialist consultant of this project, you are asked to prepare a technical proposal to explore the planning and design process of a sustainable building project for this student residence hall. The basic information of the student residence hall is given below.

Ricci Hall 香港大學利瑪竇宿舍 <http://www.ricci.hku.hk/>

Situated at 93 Pok Fu Lam Road, it is one of the oldest residential halls at HKU. It is a boys only hall, with great history and deep heritage. The hall residence was officially opened on 16 December 1929 and was established as a residence for students of HKU by the Jesuit Fathers. The current Hall is a beautiful old style building with wonderful unobstructed view of the harbour.



Figure 1. Location map of the student residence hall (source: <https://www.map.gov.hk/>)

You are required to evaluate the potential, limitations and opportunities of the project for achieving high sustainability performance. You should identify the critical issues and possible planning/design strategies for the project in order to give professional guidance and advice to the client on further development of the project brief and performance targets.

You should prepare a technical proposal report of not more than 10 nos. of A4 pages to explain the key 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.

- Benefits and limitations of the sustainable building project.
- Sustainability performance targets for the project and important design strategies.
- Planning issues and development potential for the student residence hall.

The report shall be submitted in electronic PDF format to the Moodle of MEBS6020. The assessment criteria of the report include quality of the content, organization, clarity of thought, and report writing skills. The report will be evaluated on synthesis of information during the course and from your own reading/study, and evidence that you have thought about the subject and the lecture topics in some depth. A clear structure and a logical argument is important and you should provide evidence of critical thinking, originality and effective writing.

Report submission (via Moodle): **on or before 21 July 2020 (Tue)**