

## GEE5303 Green and Intelligent Building

<http://ibse.hk/GEE5303/>

### **Individual Assignment: Assessment Aspects of Green Building**

[Submission deadline: **before 28 Nov 2017 (Tue)**]

#### **Introduction**

Lectures have been conducted on the green and intelligent aspects related to building design, construction, operation and maintenance. Sustainable, energy efficient measures have been taught, and related green building assessment guidelines such as BEAM Plus and LEED have also been discussed. In order to enhance the understanding, this assignment requires students to study and evaluate the assessment aspects of green building.

#### **Study Method**

Each student should identify either New Buildings (NB) or Existing Buildings (EB) to form the basic context of the study. Based on this, the student should select one of the following assessment aspects for the investigation.

|              |            |                              |
|--------------|------------|------------------------------|
| Site Aspects | Management | Materials and Waste Aspects  |
| Energy Use   | Water Use  | Indoor Environmental Quality |

The study should examine how the aspects are defined, measured and assessed. The typical criteria and possible indicators should be evaluated. To illustrate the major characteristics of the chosen assessment aspects, the student may make reference to the current green building assessment methods or rating tools, green building features in example projects, and other related green building guidelines.

Students should provide critical comments on the assessment aspects, and if appropriate, give suggestions or recommendations to clarify and/or improve them.

#### **Submission**

Each student should prepare a brief report of not more than twenty (20) A4 pages to present the findings. The report should be neat and properly formatted and organised. Proper credit and referencing should be provided to the information sources. Students making direct copy of the information in other publications (plagiarism), if found, will be disqualified.

The report should be submitted as an electronic copy in PDF format through the Moodle system. The assessment criteria of the report include quality of the content, organization, clarity of thought, and report writing skills.

#### **Useful Web Links:**

BEAM Plus <http://www.hkgbc.org.hk/eng/BEAMPlus.aspx>

LEED <http://www.usgbc.org/leed>