Subject Description Form

Subject Code	BSE543
Subject Title	Building Environmental Performance
Credit Value	3
Level	5
Pre-requisite/ Co-requisite/ Exclusion	Nil
Objectives	a. To understand the philosophy of built environmental performance model. b. To enhance the awareness of environmental issues and the impact that buildings have on the environment. c. To practice the assessment procedures, calculations and simulations.
Intended Learning Outcomes	Upon completion of the subject, students will be able to: a. able to evaluate new and existing buildings to meet a range of environmental performance criteria. b. competent to study the total indoor environmental quality and advancements in building performance themes. c. understand the various built environmental performance models. d. lead to authorized persons of LEED and BEAM Plus Professional.
Subject Synopsis/ Indicative Syllabus	Sustainability Building Environmental Assessment Method Integration of building, building services systems and delivery of quality Health and safety audit Application of available technology in sustaining a high effectiveness of building environmental outcome
Teaching/Learning Methodology	• Lectures • Seminars • Independent study

Assessment Methods in Alignment with Intended Learning Outcomes

Specific assessment methods/tasks	% weighting	Intended subject learning outcomes to be assessed (Please tick as appropriate)					
		a.	b.	c.	d.		
1. Classwork	10%	√	√				
2. Project	30%			√	√		
3. Written Examination	60%	√	√	√			
Total	100 %						

Explanation of the appropriateness of the assessment methods in assessing the intended learning outcomes:

Reading List and References

<u>Indicative reading list and references:</u>

Building Environmental Assessment Method Plus – Existing Buildings. BEAM Society.

Building Environmental Assessment Method Plus – New Buildings. BEAM Society.

LEED Reference Guide for Green Building Design and Construction 2009 Edition (2009). U.S. Green Building Council.

Wong, W.S. & Chan, E.H.W. (Ed) (2000). *Building Hong Kong – Environmental Considerations*. Hong Kong University Press