

FMT311e Green Building Assessment Standards

Level: 3

Credit Units: 5 Credit Units

Language: ENGLISH

Presentation Pattern: EVERY JULY

E-Learning: BLENDED - Learning is done MAINLY online using interactive study materials in Canvas. Students receive guidance and support from online instructors via discussion forums and emails. This is supplemented with SOME face-to-face sessions. If the course has an exam component, this will be administered on-campus.

Synopsis:

FMT311 Green Building Assessment Standards will provide students an overview on the crucial information and knowledge on legislative requirements on Environmental Sustainability for buildings in Singapore. It covers the Green Mark Criteria for new and existing buildings; Green Mark criteria for Office Interior; Submission procedures and certification requirements. This course will also provide an overview of the LEED certification process and other international green building assessment systems such as BREEAM (UK), CASBEE (Japan) and Green Star (Australia).

Topics:

- The Triple Bottom-line
- Business case for Green Buildings
- Inter-ministerial Committee on Sustainable Development and BCA 2nd Green Mark Masterplan
- Regulatory Framework for Environmental Sustainability of Buildings
- Understanding the Code of Environmental Sustainability for New and Existing Buildings
- Green Mark Criteria – Energy Efficiency, Water Efficiency, Environmental Protection, Indoor Environmental Quality and Other Green Features
- Submission Procedures
- Green Mark e-filing System
- Leadership in Energy and Environmental Design - LEED(US) Certification Process
- BREEAM(UK)
- CASBEE(Japan)
- Green Star(Australia)

Learning Outcome:

- Demonstrate understanding of the legislative requirements on Environmental Sustainability for buildings in Singapore
- Deconstruct the submission procedures and requirements for certification
- Appraise and describe the differences between the different Green Building certifications
- Demonstrate ability to interpret the various international green building assessment systems
- Relate to the Green Mark Criteria and be able to compute Green Mark scores for new and existing buildings
- Organize the filing of Green Mark or other Green Building applications

Assessment Strategies:

Continuous Assessment Component	Weightage (%)
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PRE-CLASS QUIZ	2
PRE-CLASS QUIZ	2
PRE-CLASS QUIZ	2
TUTOR-MARKED ASSIGNMENT	10
TUTOR-MARKED ASSIGNMENT	14
Sub-Total	30

Examinable Component	Weightage (%)
ECA	70
Sub-Total	70

Weightage Total **100**