



UNSW
SYDNEY

Australia's
Global
University

Built Environment

BLDG4020

Total Building Performance and Management



Course Outline – Term 2, 2020

Disclaimer

Information within this document is subject to change. The full and most accurate course outline will be available in Moodle closer to the start of the term in which the course is offered.

1. COURSE STAFF

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| Course Contact | Benson Lim |
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2. COURSE DETAILS

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|------------------------------------|--|
| Credit Points | 6 units of credit (uoc) |
| Workload | Approx. 150 hours including class contact hours, weekly individual and group online learning activities, readings, class preparation, and assessment activities. |
| Teaching Times and Location | Find details in timetable http://www.timetable.unsw.edu.au |

Description

In Building Performance, details of the major factors impacting the performance of commercial and residential buildings will be covered. This includes: i) understanding how the performance of a building is assessed; ii) examining the impact of space on building performance; understanding how strategic facility management is linked with building performance; iv) appreciate environmental, social and economic factors that optimise the performance of a building; and v). how life cycle assessment (LCA) can be incorporated to guide decisions on building performance during its operation stages. Later in the course, the students will be exposed to a discussion on alternative sustainable materials to adopt in buildings, to enhance its energy performance during the operational stage. The course concludes with a brief discussion on some aspects of deconstruction and end-of-life of buildings.

Aims

The aim of this course is to introduce students to the fundamentals of facilities management (FM) and how it is related to organisational strategies and performance. Under this aim, the specific objectives are set out below to provide students with a comprehensive understanding on:

1. The definition of and rationales for FM, and its scope;
2. The key issues and challenges facing firms in managing built facilities;
3. The principles of sustainability in FM;
4. The key concepts in strategic FM;
5. The development of strategic FM plans; and
6. The strategy development and implementation in strategic FM.

Course Learning Outcomes (CLOs)

At the successful completion of this course, you will be able to:

1. Describe the rationales for FM and its scope in building performance.
2. Explain the key issues and challenges facing firms in managing built facilities
3. Demonstrate knowledge in principles of sustainability in management of buildings and use of LCA
4. Recommend FM plan developments and strategies that ensure optimum building performance throughout the operational stage.

3. ASSESSMENT

| Assessment task | Weight | CLOs Assessed |
|---|--------|---------------|
| 1. Assessment 1 – Online Quiz | 30% | 1, 2 |
| 2. Assessment 2 - Portfolio Submissions (Online + In-class) | 15% | 1, 2, 3, 4 |
| 3. Assessment 3 – Peer- Reviews | 15% | 1, 2, 3, 4 |
| 4. Assessment 4 – Final Exam | 40% | 1, 2, 3, 4 |

4. COURSE IMPROVEMENT AND FEEDBACK

Feedback from students is an integral part of improving courses and teaching approaches. One of the primary mechanisms of feedback is myExperience, which we strongly urge all students to complete at the end of term. Course convenors use the feedback to make ongoing improvements to the course. This is communicated in Moodle in the myFeedback Matters page.