

BLDG 7003 BUILDING STUDIES

Credit Points 10

Legacy Code 300716

Coordinator Sameera Wijesiri Pathirana ([https://directory.westernsydney.edu.au/search/name/Sameera Wijesiri Pathirana/](https://directory.westernsydney.edu.au/search/name/Sameera%20Wijesiri%20Pathirana/))

Description This subject describes and analyses the technological, socio-economic and sustainability factors that influence the building industry. The topics include advances in contemporary issues affecting sustainability and energy conservation, access and adaptable housing, safety in special areas and building design in accordance with the relevant legislative requirements. Use of assessment tools for sustainability is covered. Discussions are also made on development management, the roles and the relationship between building owners / occupiers, developers and building surveyors.

School Eng, Design & Built Env

Discipline Building

Student Contribution Band HECS Band 2 10cp

Check your fees via the Fees (https://www.westernsydney.edu.au/currentstudents/current_students/fees/) page.

Level Postgraduate Coursework Level 7 subject

Equivalent Subjects LGYB 5426 - Building Studies

Restrictions

Students must be enrolled in a postgraduate program.

Assumed Knowledge

This subject assumes that the student has undertaken undergraduate study in building surveying, planning or related areas or has gained the equivalent building construction knowledge by working in the construction industry in an appropriate capacity for at least four years.

Learning Outcomes

On successful completion of this subject, students should be able to:

1. Describe current research and advances in building industry, including access, energy efficiency and safety.
2. Describe the impact and effect of the regulatory system on contemporary building issues such as access, energy efficiency and safety provisions.
3. Critically analyse and generate complex building solutions against the requirements for sustainability, access and safety.
4. Explain the roles and the relationship between building owners/ occupiers, developers and building surveyors in the operation and maintenance of buildings.

Subject Content

The impact and effect of regulatory bodies on occupant health and amenity in the building industry.

Philosophy, cultural significance and cost-effectiveness of energy conservation and its application to building construction.

Sustainable design processes and typical features of sustainable design and construction.

Housing design, sustainability and energy efficiency assessment tools, such as BASIX.

Sustainability and NCC requirements for Class 2 to 9 - overview of Section J.

NCC requirements for thermal insulation and lighting in building systems

Current research and advances in building systems relating to energy efficiency and sustainability

Access and arrangements for disability and adaptability for older persons.

Accessibility requirements for car parking and pools.

Facilitation of access and movement in buildings.

Principles and practice for pool safety and heating/pumping provisions.

The roles and the relationship between building owners/occupiers, developers and building surveyors in the operation and maintenance of buildings.

Assessment

The following table summarises the standard assessment tasks for this subject. Please note this is a guide only. Assessment tasks are regularly updated, where there is a difference your Learning Guide takes precedence.

Type	Length	Percent	Threshold	Individual/ Group Task	Mandatory
Essay	2,500 words	30	N	Individual	Y
Report	2,500 words	30	N	Individual	Y
Essay	3,000 words	40	N	Individual	Y

Teaching Periods

Autumn (2025)

Online

Online

Subject Contact Sameera Wijesiri Pathirana ([https://directory.westernsydney.edu.au/search/name/Sameera Wijesiri Pathirana/](https://directory.westernsydney.edu.au/search/name/Sameera%20Wijesiri%20Pathirana/))

View timetable (https://classregistration.westernsydney.edu.au/odd/timetable/?subject_code=BLDG7003_25-AUT_ON_2#subjects)