

BLDG 1011 PROPERTY BUILDING

Credit Points 10

Legacy Code 301157

Coordinator John Zhang ([https://directory.westernsydney.edu.au/search/name/John Zhang/](https://directory.westernsydney.edu.au/search/name/John%20Zhang/))

Description This subject provides students with an overview of regulations and construction techniques with an emphasis on low-rise residential buildings in the Australian context. It covers general process; building regulations; environmental issues; surveying techniques; structural elements (footings, framing and bracing); envelope; services; fit-out and finishes.

School Eng, Design & Built Env

Discipline Construction Engineering

Student Contribution Band HECS Band 2 10cp

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

Level Undergraduate Level 1 subject

Incompatible Subjects BLDG 1001 Building 1 BLDG 1003 Building 1 (WSTC)

Restrictions

Students must be enrolled in the Property Major in the Bachelor of Business.

Learning Outcomes

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

1. Analyse and describe construction techniques required for low rise residential buildings including design of slab-on-ground and timber framing
2. Select materials and appropriate construction techniques based on regulatory, safety and environmental analyses and communicate these via technical documentation
3. Interpret building regulations pertinent to low rise residential buildings
4. Apply simple land and building surveying techniques
5. Analyse basic building services requirements for low rise residential buildings
6. Recognise environmental and social connections with the built forms
7. Identify typical low rise residential building defects and propose acceptable solutions
8. Identify the problems associated with building low rise residential in hazardous locations

Subject Content

Environmental impact of building
Housing styles
Design, documentation, tendering
Regulations
Surveying
Civil works and soil mechanics
Footing systems

Concrete slabs
Timber framing
Cladding
Services
Fit-out
Finishes
Building in hazardous locations
Alternative construction
Defects and faults

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
Applied Project	as per building regulations - 1000 words	25	N	Individual	N
Applied Project	500 words	25	N	Individual	N
Report	2 Hour	50	N	Individual	N

Prescribed Texts

- Wilkie, G 2011, Building your own home : a comprehensive guide for owner-builders, New Holland Publishers, Chatswood, N.S.W.

Teaching Periods

Autumn (2025)

Parramatta City - Macquarie St

On-site

Subject Contact John Zhang ([https://directory.westernsydney.edu.au/search/name/John Zhang/](https://directory.westernsydney.edu.au/search/name/John%20Zhang/))

View timetable (https://classregistration.westernsydney.edu.au/odd/timetable/?subject_code=BLDG1011_25-AUT_PC_1#subjects)

Parramatta External

Online

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View timetable (https://classregistration.westernsydney.edu.au/odd/timetable/?subject_code=BLDG1011_25-AUT_PX_2#subjects)