

BLDG 1020 DOMESTIC CONSTRUCTION (WSTC)

Credit Points 10

Coordinator Ramin Ebadi (<https://directory.westernsydney.edu.au/search/name/Ramin Ebadi/>)

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

School Eng, Design & Built Env

Discipline Building Construction Management

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

Restrictions

Students must be enrolled in an existing Destination College Diploma program listed below:

- 7188 Diploma in Culture, Society and Justice
- 7189 Diploma in Health Science
- 7190 Diploma in Business
- 7191 Diploma in Information and Communication Technologies
- 7192 Diploma in Building Design and Construction
- 7193 Diploma in Engineering Studies
- 7194 Diploma in Creative Industries and Communications
- 7195 Diploma in Arts
- 7196 Diploma in Science
- 7197 Diploma in Education Studies

Learning Outcomes

After successful completion of this subject, students will be able to:

1. Understand and apply building codes and environmental considerations specifically for low-rise residential buildings.
2. Appropriately select materials based on safety and regulatory factors.
3. Evaluate and describe construction techniques, including slab-on-ground and timber framing.
4. Analyse the requirements for basic building services and identify common building defects, proposing solutions where appropriate.
5. Understand the impact of low-rise residential buildings on social and environmental contexts, including building in hazardous locations.

Subject Content

- Introduction to Residential Building; Why do we build; The environmental impact of building design, and house styles, civil works and soil mechanics.
- Standards Footing systems, concrete slabs and associated works; Design, documentation, tendering; and Regulations; Titles, BCA, BASIX

- Timber framing 1; Wall frames, Timber framing 2; Roof frames, and Cladding: Brickwork, roof tiling, other claddings
- Fit-out: walls, ceilings and floors; wet area construction, services; Finishes: internal, external and landscaping, and 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
Quiz	30 minutes	10	N	Individual	N
Professional Task	1200 words	30	N	Individual	N
Professional Task	500 words including tables and diagrams	30	N	Individual	N
Viva Voce	10 minutes	30	N	Individual	N

Teaching Periods

Autumn Block 4 (2025)

Penrith (Kingswood)

On-site

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[View timetable](https://classregistration.westernsydney.edu.au/odd/timetable/?subject_code=BLDG1020_25-AB4_KW_1#subjects) (https://classregistration.westernsydney.edu.au/odd/timetable/?subject_code=BLDG1020_25-AB4_KW_1#subjects)

Spring Block 4 (2025)

Penrith (Kingswood)

On-site

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