

# BLDG 1018 RESIDENTIAL BUILDING (WSTC)

**Credit Points** 10

**Legacy Code** 700304

**Coordinator** Robert Paluzzano ([https://directory.westernsydney.edu.au/search/name/Robert Paluzzano/](https://directory.westernsydney.edu.au/search/name/Robert%20Paluzzano/))

**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** Building Science and Technology

**Student Contribution Band** HECS Band 2 10cp

Check your HECS Band contribution amount via the Fees ([https://www.westernsydney.edu.au/currentstudents/current\\_students/fees/](https://www.westernsydney.edu.au/currentstudents/current_students/fees/)) page.

**Level** Undergraduate Level 1 subject

**Equivalent Subjects** BLDG 1002 - Building 1 BLDG 1003 - Building 1 (WSTC) BLDG 1001 - Building 1 BLDG 1015 - Residential Building

## Restrictions

Students must be enrolled at The College to enrol in this subject. Students enrolled in Extended Diploma programs must have passed 30 credit points of preparatory subjects in order to enrol in this subject. Students enrolled in Integrated programs need to have passed or be enrolled in the preparatory subjects in their program in order to enrol in this subject.

## 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  
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
Applied Project		25	N	Individual
Applied Project		25	N	Group
Final Exam		50	N	Individual

Teaching Periods

## Term 1 (2022)

### Penrith (Kingswood)

#### Day

**Subject Contact** Robert Paluzzano ([https://directory.westernsydney.edu.au/search/name/Robert Paluzzano/](https://directory.westernsydney.edu.au/search/name/Robert%20Paluzzano/))

View timetable ([https://classregistration.westernsydney.edu.au/even/timetable/?subject\\_code=BLDG1018\\_22-T1\\_KW\\_D#subjects](https://classregistration.westernsydney.edu.au/even/timetable/?subject_code=BLDG1018_22-T1_KW_D#subjects))

## Term 2 (2022)

### Penrith (Kingswood)

#### Day

**Subject Contact** Robert Paluzzano ([https://directory.westernsydney.edu.au/search/name/Robert Paluzzano/](https://directory.westernsydney.edu.au/search/name/Robert%20Paluzzano/))

View timetable ([https://classregistration.westernsydney.edu.au/even/timetable/?subject\\_code=BLDG1018\\_22-T2\\_KW\\_D#subjects](https://classregistration.westernsydney.edu.au/even/timetable/?subject_code=BLDG1018_22-T2_KW_D#subjects))

## **Term 1 (2023)**

### **Penrith (Kingswood)**

#### **On-site**

**Subject Contact** Robert Paluzzano ([https://directory.westernsydney.edu.au/search/name/Robert Paluzzano/](https://directory.westernsydney.edu.au/search/name/Robert%20Paluzzano/))

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## **Term 2 (2023)**

### **Penrith (Kingswood)**

#### **On-site**

**Subject Contact** Robert Paluzzano ([https://directory.westernsydney.edu.au/search/name/Robert Paluzzano/](https://directory.westernsydney.edu.au/search/name/Robert%20Paluzzano/))

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