

# BLDG 1017 NON-RESIDENTIAL BUILDING (WSTC)

**Credit Points** 10

**Legacy Code** 700305

**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 introduction to the design, classification, applicable Australian Standards, structural systems, construction techniques, materials handling systems, building services, fit-out and finishes for larger scale buildings. The subject focusses on non-residential building projects such as shopping centres, factories, warehouses, office buildings and associated facilities.

**School** Eng, Design & Built Env

**Discipline** Building Science and Technology

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

Check your fees 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 1004 - Building 2 BLDG 1006 - Building 2 (WSTC) BLDG 1005 - Building 2 BLDG 1014 - Non-Residential Building

## Restrictions

Students must be enrolled at The College. Students in Extended Diploma programs must pass 30 CPs of preparatory subjects in order to enrol in this subject. Students in Integrated Diploma programs must pass or be enrolled in the preparatory subjects in order to enrol in this subject.

## Learning Outcomes

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

1. interpret pertinent building regulations;
2. analyse and describe construction techniques;
3. analyse and describe materials handling requirements;
4. assess preliminary cost and scheduling requirements for a project;
5. use scale models to describe project solutions.

## Subject Content

Players in the construction process  
Construction as a system  
Regulations  
Site investigation  
Preliminaries  
Demolition  
Civil works  
Substructure  
Reinforced concrete construction  
Steel construction  
Materials handling  
Cladding systems  
Portal framing and tilt-slab  
Examination of the design  
Fit-out and finishes for larger scale buildings

Services coordination  
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Services coordination

## 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 |
|--------------|---------------------------------|---------|-----------|-----------------------|
| Reflection   | 1000 words                      | 10      | N         | Individual            |
| Report       | 3000 words                      | 40      | N         | Group                 |
| Presentation | 5 minutes, project presentation | 10      | N         | Individual            |
| Final Exam   | 2 hours                         | 40      | N         | Individual            |

Teaching Periods

## Term 1 (2024) 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/))

View timetable ([https://classregistration.westernsydney.edu.au/even/timetable/?subject\\_code=BLDG1017\\_24-T1\\_KW\\_1#subjects](https://classregistration.westernsydney.edu.au/even/timetable/?subject_code=BLDG1017_24-T1_KW_1#subjects))

## Term 3 (2024) 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/))

View timetable ([https://classregistration.westernsydney.edu.au/even/timetable/?subject\\_code=BLDG1017\\_24-T3\\_KW\\_1#subjects](https://classregistration.westernsydney.edu.au/even/timetable/?subject_code=BLDG1017_24-T3_KW_1#subjects))