

BLDG 1014 NON-RESIDENTIAL BUILDING

Credit Points 10

Legacy Code 301227

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

Description The aim of this subject is to provide 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 HECS Band contribution amount via the 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 1017 Non Residential Building (WSTC)

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

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
Report	1,000 words	10	N	Individual
Professional Task	3,000 words	30	N	Group
Presentation	3 minutes per group member	20	N	Individual
Quiz	2 hours	40	N	Individual

Teaching Periods

Spring (2022) Penrith (Kingswood)

Day

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View timetable (https://classregistration.westernsydney.edu.au/even/timetable/?subject_code=BLDG1014_22-SPR_KW_D#subjects)

Parramatta - Victoria Rd

Day

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