

# 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 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 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	Mandatory
Report	1,000 words	10	N	Individual	N
Professional Task	2,500 words per group member	30	N	Group/ Individual	N
Presentation	8 minutes per group member	20	N	Individual	Y
Final Exam	2 hours	40	N	Individual	Y

Teaching Periods

### Spring (2025)

#### Penrith (Kingswood)

**On-site**

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

View timetable ([https://classregistration.westernsydney.edu.au/odd/timetable/?subject\\_code=BLDG1014\\_25-SPR\\_KW\\_1#subjects](https://classregistration.westernsydney.edu.au/odd/timetable/?subject_code=BLDG1014_25-SPR_KW_1#subjects))

#### Parramatta - Victoria Rd

**On-site**

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

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