

BLDG 4002 BUILDING DESIGN PROJECT 2

Credit Points 20

Legacy Code 301100

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

Description In this subject students will develop the design solution they created in Building Design Project 1 into a fully resolved CAD model suitable for costing, scheduling and contracting. Construction Certificate documentation will be generated.

School Eng, Design & Built Env

Discipline Building

Student Contribution Band HECS Band 2 20cp

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

Level Undergraduate Level 4 subject

Pre-requisite(s) NONE

Co-requisite(s) BLDG 4001 Building Design Project 1

Incompatible Subjects CIVL 4019 Building Project 2 (Honours)

Restrictions

Students must be enrolled in Bachelor of Building Design Management or Diploma in Building Design Management/Bachelor of Building Design Management.

Assumed Knowledge

Students should be familiar with the content from the first three years of the Building Design Management degree, including expertise in CAD, iterative design process and construction technology.

Learning Outcomes

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

1. Recommend the appropriate construction systems for the building project.
2. Specify materials, finishes and performance standards expected in the completed building.
3. Resolve the details of footings/floor/wall and floor/roof junctions and illustrate these with detailed drawings.
4. Construct a fully detailed 3D CAD model with sufficient information for accurate pricing and technical assessment.
5. Present design management choices in 2D views drawn from a 3D CAD model.

Subject Content

Construction Certificate approval
Complex and high-rise development
Services integration

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	2000 words	20	N	Individual
Applied Project	3D CAD model and large scale 2D drawings	30	N	Individual
Applied Project	3D CAD model and 2D drawings	50	N	Individual

Teaching Periods

Spring (2022) Penrith (Kingswood)

Day

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View timetable (https://classregistration.westernsydney.edu.au/even/timetable/?subject_code=BLDG4002_22-SPR_KW_D#subjects)

Parramatta - Victoria Rd

Day

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Spring (2023)

Parramatta - Victoria Rd

On-site

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