

BLDG 4002 BUILDING DESIGN PROJECT 2

Credit Points 20

Legacy Code 301100

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

Description In this subject, students demonstrate professional standards in completing a design solution for a specific real-world project. Students expand on the design solution completed for Building Design Project 1 into a fully resolved CAD model suitable for costing, scheduling, and contracting. Students apply technical and critical thinking skills to address the project constraints, and present project documentation (site plans, floor plans, elevations, sections, details and specifications) of a quality suitable to apply for a Construction Certificate. Knowledge gained in this subject will benefit students aspiring to roles in the integrated building design industry and the delivery of building projects.

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.

Item	Length	Percent	Threshold	Individual/ Group Task
Specification of a critical trade section for the project	2000 words	20	N	Individual
Detailed drawings of critical construction junctions	3D CAD model and large scale 2D drawings	30	N	Individual
Fully developed building design suitable for Construction Certificate Application	3D CAD model and 2D drawings	50	N	Individual

Teaching Periods

Spring Penrith (Kingswood)

Day

Subject Contact Mary Hardie ([https://directory.westernsydney.edu.au/search/name/Mary Hardie/](https://directory.westernsydney.edu.au/search/name/Mary%20Hardie/))

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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