

BLDG 4001 BUILDING DESIGN PROJECT 1

Credit Points 20

Legacy Code 301099

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 will source a suitable design project to complete as a capstone work which illustrates the skills they have developed throughout their program. The project will contain a level of complexity exceeding that of previous building designs produced in the program. Diverse stakeholder input on the projects impact will be gathered and assessed. 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) BLDG 3001

Incompatible Subjects CIVL 4018 Building Design Project 1 (Honours)

Restrictions

Students must be enrolled in Bachelor of Building Design Management or Diploma in Building Design Management/Bachelor of Building Design Management. Students must have successfully completed 220 credit points.

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. Generate a design brief for a building project with sufficient detail to make a preliminary judgement on project feasibility
2. Construct a performance specification for a building design based on careful analysis of site conditions
3. Provide justification for particular design decisions which would result in making appropriate design choices
4. Reflect on feedback relating to the proposed sketch design and make responsive changes on the issues raised
5. Illustrate the building design through a fully rendered 3D CAD model

Subject Content

Planning approval requirements
Complex and high-rise building projects
Buildings incorporating multiple usages

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
Report	1 500 words	20	N	Individual
Applied Project	3D CAD model and 500 word explanation	30	N	Individual
Applied Project	3D CAD model and 2D drawings	50	N	Individual

Teaching Periods

Autumn

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=BLDG4001_22-AUT_KW_D#subjects)

Parramatta - Victoria Rd

Evening

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