

BLDG 4014 BUILDING DESIGN PROJECT (DEVELOPMENT APPLICATION)

Credit Points 20

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

Description This is a capstone subject, where students will source a suitable design project at their own initiative to illustrate the skills they have developed throughout their program. The project will contain a high level of complexity exceeding that of previous building designs produced in the program. Diverse stakeholder input on the project's impact will be gathered and assessed. The design solution generated will show mastery of resolving complex design problems which integrate technical knowledge with economic and social responsibility based on extensive justifying research. These skills are highly sought after by employers in the building design industry.

School Eng, Design & Built Env

Discipline Building

Student Contribution Band HECS Band 2 20cp

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

Level Undergraduate Level 4 subject

Pre-requisite(s) BLDG 3001 - Building Design Process

Equivalent Subjects CIVL 4018

Incompatible Subjects BLDG 4001 - Building Design Project 1 (non-honours stream)

Restrictions

Students must be enrolled in 3727 Bachelor of Building Design Management or 3801 Bachelor of Building Design Management (Honours). Students must have successfully completed 200 credit points.

Assumed Knowledge

Expertise in CAD, iterative design process and construction technology.

Learning Outcomes

After successful completion of this subject, students will be able to:

1. Generate a design brief for a building project with sufficient detail to make a preliminary judgement on project feasibility.
2. Develop a performance specification for a building design to a professional standard based on careful analysis of site conditions.
3. Provide justification for design decisions, which would result in making appropriate design choices.
4. Reflect on feedback relating to the proposed sketch design and make responsive changes towards stakeholder conflict resolution.
5. Illustrate the building design through a fully rendered 3D CAD model to a professional standard and in a manner that can be clearly understood by members of the general public.
6. Reflect on feedback and extensive research to argue persuasively and justify design solutions.

Subject Content

1. Planning approval requirements
2. Complex and high-rise building projects
3. Buildings incorporating multiple usages
4. Design under constrained conditions
5. Multiple stakeholder interest groups
6. Conflict resolution

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	1500 words	20	N	Individual	N
Applied Project	3D CAD model presented as 7-10 compiled drawings including 500 words of annotations as explanation	30	N	Individual	N
Applied Project	3D CAD model presented as 10-14 compiled drawings including detailed site plan, elevations, and perspectives	40	N	Individual	Y
Reflection	1000 words	10	Y	Individual	Y

Teaching Periods

Autumn (2025)

Parramatta - Victoria Rd

On-site

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/odd/timetable/?subject_code=BLDG4014_25-AUT_PS_1#subjects)