

# BLDG 4001 BUILDING DESIGN PROJECT 1

**Credit Points** 20

**Legacy Code** 301099

**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 source a suitable design project to complete as a capstone work which illustrates the skills they have developed throughout their study 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.

**School** Eng, Design & Built Env

**Discipline** Construction Engineering

**Student Contribution Band** HECS Band 2 20cp

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 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.

Type	Length	Percent	Threshold	Individual/ Group Task	Mandatory
Report	1500 words	20	N	Individual	N
Applied Project	3D CAD model and 500 word explanation	30	N	Individual	Y
Applied Project	3D CAD model and 2D drawings	50	N	Individual	Y