BLDG 4014 BUILDING DESIGN PROJECT 1 (HONOURS)

Credit Points 20

Coordinator Mary Hardie (https://directory.westernsydney.edu.au/search/name/Mary Hardie/)

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. Both the complexity level and the number of design constraints will distinguish this project from the ones undertaken in the non-honours stream subjects. 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. 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 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) BLDG3001 - Building Design Process

Equivalent Subjects CIVL 4018

Incompatible Subjects BLDG4001 - Building Design Project 1 (non-honours stream)

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 and must have a GPA of 5 or higher and obtain permission from the subject coordinator.

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

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 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 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. Argue persuasively for a design solution that you have generated.

Subject Content

Planning approval requirements
Complex and high-rise building projects
Buildings incorporating multiple usages
Design under constrained conditions
Multiple stakeholder interest groups
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
Report	1500 words	20	N	Individual
Applied Project	3D CAD model and 500 word explanation	30	N	Individual
Applied Project	3D CAD model and 2D drawings	40	N	Individual
Reflection	1000 words	10	N	Individual

Teaching Periods

Autumn (2023)

Parramatta - Victoria Rd

On-site

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

View timetable (https://classregistration.westernsydney.edu.au/odd/timetable/?subject_code=BLDG4014_23-AUT_PS_1#subjects)