BLDG 3001 BUILDING DESIGN PROCESS

Credit Points 10

Legacy Code 301087

Coordinator Marini Samaratunga (https://directory.westernsydney.edu.au/search/name/Marini Samaratunga/)

Description Building design is an iterative process. In this subject students will gain experience in generating design proposals and responding to simulated client, regulator and stakeholder feedback. Holistic design solutions that address economic, environmental and social issues will be generated for realistic building projects with an emphasis on regulatory compliance and project value for money.

School Eng, Design & Built Env

Discipline Building

Student Contribution Band HECS Band 2 10cp

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

Level Undergraduate Level 3 subject

Pre-requisite(s) ARCH 1004 OR
ARCH 1005

Learning Outcomes

On successful completion of this subject, students should be able to:

1. Respond to a design brief for a building project in western Sydney with a series of potential building design solutions.
2. Evaluate the appropriateness of several different solutions to the building design problem especially relating to current building regulations.
3. Recommend a particular preferred solution arguing its benefits in terms of cost, quality and safety.
4. Reflect on feedback relating to the proposed design and make suitable changes in response.
5. Illustrate the building design through a fully rendered 3D CAD model.

Subject Content

1. Mixed commercial building project design
2. National Construction Code (NCC) compliance
3. Design solution evaluation with respect to Australian Standards and Planning regulations
4. Iterative response to stakeholder feedback

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

Teaching Periods

Spring (2025)

Parramatta - Victoria Rd

Hybrid

Subject Contact Marini Samaratunga (https://directory.westernsydney.edu.au/search/name/Marini Samaratunga/)

View timetable (https://classregistration.westernsydney.edu.au/odd/timetable/?subject_code=BLDG3001_25-SPR_PS_3#subjects)