

BLDG 3001 BUILDING DESIGN PROCESS

Credit Points 10

Legacy Code 301087

Coordinator Mohammad Reza Razavi ([https://directory.westernsydney.edu.au/search/name/Mohammad Reza Razavi/](https://directory.westernsydney.edu.au/search/name/Mohammad%20Reza%20Razavi/))

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 HECS Band contribution amount via the Fees (https://www.westernsydney.edu.au/currentstudents/current_students/fees/) page.

Level Undergraduate Level 3 subject

Pre-requisite(s) BLDG 3007

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.

| Item | Length | Percent | Threshold | Individual/ Group Task |
|---|------------------------------|---------|-----------|---------------------------|
| Preliminary sketch building design | 3D CAD model | 30 | N | Individual |
| Statement of design purpose | 1,500 words | 20 | N | Individual |
| Fully developed building design responding to feedback (3D CAD model and 2D drawings) | 3D CAD model and 2D drawings | 50 | N | Individual |

Teaching Periods

Spring 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://clasregistration.westernsydney.edu.au/even/timetable/?subject_code=BLDG3001_22-SPR_KW_D#subjects)

Parramatta - Victoria Rd Day

Subject Contact Mohammad Reza Razavi ([https://directory.westernsydney.edu.au/search/name/Mohammad Reza Razavi/](https://directory.westernsydney.edu.au/search/name/Mohammad%20Reza%20Razavi/))

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