

BLDG 4006 MODERN CONSTRUCTION ENTERPRISES

Credit Points 10

Legacy Code 301158

Coordinator Samudaya Nanayakkarawasam (<https://directory.westernsydney.edu.au/search/name/Samudaya Nanayakkarawasam/>)

Description In this subject the pace of change in the construction industry will be addressed. Particular emphasis is placed on the ways in which construction businesses need to adapt their practices to deal with increased digitisation, industrialisation and globalisation. The impact of disruptive innovation on 'back of house' operations in construction enterprises will be studied and trends identified.

School Eng, Design & Built Env

Discipline Building Construction Economics

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 4 subject

Assumed Knowledge

An understanding of the construction industry context and familiarity with organisational structures common in construction businesses.

Learning Outcomes

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

1. Analyse the opportunities presented by the changing global environment in construction
2. Compare and contrast the trajectories of attempts at innovation in the construction industry
3. Predict major trends in construction modernisation
4. Hypothesise on the factors that contribute to successful modern construction enterprises
5. Make an original case for the adoption of changes to the way construction businesses are structured
6. Re-imagine construction enterprise models for the Indo-Pacific region
7. Analyse the opportunities presented by the changing global environment in construction
8. Predict major trends in construction modernisation
9. Hypothesise on the factors that contribute to successful modern construction enterprises
10. Make an original case for the adoption of changes to the way construction businesses are structured
11. Re-imagine construction enterprise models for the Indo-Pacific region

Subject Content

1. Increasing digitisation of construction industry processes
2. Industrialisation of construction methodology and culture
3. Off-site and off-shore production
4. Globalisation in construction

5. Implications of Free Trade Agreements for construction productivity
6. Insurance and risk in a global market
7. Construction enterprises and entrepreneurship
8. Impact of the collaborative economy

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
Quiz	60 minutes	30	N	Individual
Presentation	15 mins	20	N	Individual
Quiz	5 MC questions each week	20	N	Individual
Report	1000 words per student	30	N	Individual

Teaching Periods

Spring (2024)

Penrith (Kingswood)

On-site

Subject Contact Samudaya Nanayakkarawasam (<https://directory.westernsydney.edu.au/search/name/Samudaya Nanayakkarawasam/>)

[View timetable \(https://classregistration.westernsydney.edu.au/even/timetable/?subject_code=BLDG4006_24-SPR_KW_1#subjects\)](https://classregistration.westernsydney.edu.au/even/timetable/?subject_code=BLDG4006_24-SPR_KW_1#subjects)

Parramatta - Victoria Rd

On-site

Subject Contact Samudaya Nanayakkarawasam (<https://directory.westernsydney.edu.au/search/name/Samudaya Nanayakkarawasam/>)

[View timetable \(https://classregistration.westernsydney.edu.au/even/timetable/?subject_code=BLDG4006_24-SPR_PS_1#subjects\)](https://classregistration.westernsydney.edu.au/even/timetable/?subject_code=BLDG4006_24-SPR_PS_1#subjects)