

# BLDG 3009 QUALITY AND VALUE MANAGEMENT

**Credit Points** 10

**Legacy Code** 300748

**Coordinator** Ali Al-Ashwal ([https://directory.westernsydney.edu.au/search/name/Ali Al-Ashwal/](https://directory.westernsydney.edu.au/search/name/Ali%20Al-Ashwal/))

**Description** Introduces students to the concepts of quality systems value management techniques and their application to the built environment. Students will gain knowledge of quality assurance and value management theories, techniques and principles so that they can apply as they enter into their professional careers.

**School** Eng, Design & Built Env

**Discipline** Construction Engineering

**Student Contribution Band** HECS Band 2 10cp

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 3 subject

**Equivalent Subjects** LGYA 4735 - Quality and Value Management

## Learning Outcomes

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

1. apply value management and life cycle costing techniques in construction projects.
2. write a Quality Manual and Plan for the company and project.
3. apply statistical quality control techniques for analysis of data gathered on quality characteristics from medium to large complex building projects

## Subject Content

- introduction to value management, value Engineering and value management procedures.
- function analysis.
- introduction to The meaning and evolution of quality in construction.
- quality procedures used in construction.
- quality systems related to construction including Australian and international standards.
- quality tools including cause and effect diagrams, flow charts, check sheets and Pareto diagrams.
- statistical quality control in construction.

## 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	30 minutes	20	N	Individual
Case Study	1500 words	30	N	Individual
Quiz	30 minutes	20	N	Individual
Applied Project	3,000 words	30	N	Group

Teaching Periods

### Autumn (2024) Penrith (Kingswood)

**On-site**

**Subject Contact** Ali Al-Ashwal ([https://directory.westernsydney.edu.au/search/name/Ali Al-Ashwal/](https://directory.westernsydney.edu.au/search/name/Ali%20Al-Ashwal/))

View timetable ([https://classregistration.westernsydney.edu.au/even/timetable/?subject\\_code=BLDG3009\\_24-AUT\\_KW\\_1#subjects](https://classregistration.westernsydney.edu.au/even/timetable/?subject_code=BLDG3009_24-AUT_KW_1#subjects))

### Parramatta - Victoria Rd

**On-site**

**Subject Contact** Ali Al-Ashwal ([https://directory.westernsydney.edu.au/search/name/Ali Al-Ashwal/](https://directory.westernsydney.edu.au/search/name/Ali%20Al-Ashwal/))

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