

# 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 HECS Band contribution amount 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.

Item	Length	Percent	Threshold	Individual/ Group Task
Report	2000 words	25	N	Group
Report	2000 words	25	N	Group
Final Exam	2 hours	50	N	Individual

Teaching Periods

## Autumn Penrith (Kingswood)

### Evening

**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\\_22-AUT\\_KW\\_E#subjects](https://classregistration.westernsydney.edu.au/even/timetable/?subject_code=BLDG3009_22-AUT_KW_E#subjects))

## Parramatta - Victoria Rd

### Evening

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