

## Liverpool John Moores University

Title: MANAGING QUALITY IN CONSTRUCTION  
Status: Definitive  
Code: **6611BECC** (128158)  
Version Start Date: 01-08-2020

Owning School/Faculty: Civil Engineering and Built Environment  
Teaching School/Faculty: Coleg Cambria

| Team     | Leader |
|----------|--------|
| Raj Shah | Y      |

**Academic Level:** FHEQ6  
**Credit Value:** 20  
**Total Delivered Hours:** 56  
**Total Learning Hours:** 200  
**Private Study:** 144

### Delivery Options

Course typically offered: Non Standard Year Long

| Component | Contact Hours |
|-----------|---------------|
| Lecture   | 27            |
| Practical | 10            |
| Workshop  | 19            |

**Grading Basis:** 40 %

### Assessment Details

| Category | Short Description | Description       | Weighting (%) | Exam Duration |
|----------|-------------------|-------------------|---------------|---------------|
| Report   | AS1               | Report 4500 words | 100           |               |

### Aims

*To develop understanding and critical awareness of quality assurance with particular focus on the construction industry*

### Learning Outcomes

After completing the module the student should be able to:

- 1 Critically review past and current quality systems and process used in the housebuilding sector
- 2 Evaluate the methods used for Quality Control with regards to personnel and sub-Contractors
- 3 Critically analyse TQM methods used within other sectors and their relevance to the UK housebuilding sector
- 4 Develop and recommend suitable quality procedures for the housebuilding sector

### **Learning Outcomes of Assessments**

The assessment item list is assessed via the learning outcomes listed:

|        |   |   |   |   |
|--------|---|---|---|---|
| Report | 1 | 2 | 3 | 4 |
|--------|---|---|---|---|

### **Outline Syllabus**

- The nature and evolution of quality assurance systems used in the construction industry.*
- Methods for quality control employed by personnel and sub-contractors*
- TQM methods and application in housebuilding*
- Identify a range of case studies from the construction industry where quality assurance is a focal point.*
- solutions to problems relating to design, specification, data collection, inspection and control.*

### **Learning Activities**

This module will utilise blended learning which will combine e-learning with more traditional teaching. In addition, students will be encouraged to monitor their own learning on this module. Workshops and online learning materials will be used to provide an overview of each topic. The lectures will be delivered by the module team and on occasion, guest speakers from different relevant professional backgrounds with particular expertise in aspects of the curriculum. Workshops will be used as space for students to explore and discuss issues in small groups and for tutors to identify individual learning needs of students.

### **Notes**

This module focuses on the quality control methods being used in the construction industry to determine if the contractor is properly following good practice and recommended good practice.