Liverpool John Moores University

Title: CONSTRUCTION SITE MANAGEMENT
Status: Definitive
Code: **6547BEKL** (125475)
Version Start Date: 01-08-2020

Owning School/Faculty: Civil Engineering and Built Environment
Teaching School/Faculty: Imperia College

Team	Leader
Sian Dunne	Y

Academic Level:	FHEQ6	**Credit Value:**	20	**Total Delivered Hours:**	52
Total Learning Hours:	200	**Private Study:**	148		

Delivery Options
Course typically offered: Runs Twice - S1 & S2

Component	Contact Hours
Lecture	20
Tutorial	10
Workshop	20

Grading Basis: 40 %

Assessment Details

Category	Short Description	Description	Weighting (%)	Exam Duration
Report	AS1	Scenario Based Report	50	
Exam	AS2	Closed Book Exam	50	2

Aims

This module develops the knowledge and skills further within the area of construction site management. In particular considering, Health, Safety and Welfare, site processes including planning, quality, risk and environmental considerations. The practical skills of using industry standard programming tools will be developed further including BIM.

Learning Outcomes

After completing the module the student should be able to:

1   Critically evaluate resource implications for time and cost optimisation and project acceleration.
2   Analyse and assess project risk and create methods for the estimation and management of risk on construction projects.
3   Devise and evaluate quality management systems.
4   Critically appraise health and safety management in relation to production processes, evaluating the Industry in terms of culture, behaviour and ethical practices.

Learning Outcomes of Assessments

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

Industry scenario based   1   2   3   4

Closed Book Exam   2   3   4

Outline Syllabus

Quality – QMS, SCM, TQM, Lean
Health & Safety – Behavioural safety, culture, ethics, business drivers, OHSMS
Risk – Finance, Contractual (BREEAM/BIM), Statutory (Planning, Building Regs, Design)
Programme Evaluation – Progress, Resources, Acceleration, Delay, Disruption, Use of industry standard planning software

Learning Activities

Mix of lectures, tutorials and workshops. Workshops will include practical exercise and use of IT. Guest lectures and industry scenarios.

Notes

This module is designed to equip students with the requisite knowledge and skills to manage the modern construction production process.