Liverpool John Moores University

Title:	PRODUCTION MANAGEMENT AND BIM
Status:	Definitive
Code:	**7513BESL** (126203)
Version Start Date:	01-08-2019
Owning School/Faculty:	Built Environment
Teaching School/Faculty:	SLIIT Academy (Pvt) Ltd

Team	Leader
Raj Shah	Y
Fiona Borthwick	

Academic Level:	FHEQ7	**Credit Value:**	20	**Total Delivered Hours:**	36
Total Learning Hours:	200	**Private Study:**	164		

Delivery Options
Course typically offered: Semester 2

Component	Contact Hours
Lecture	22
Workshop	11

Grading Basis: 50 %

Assessment Details

Category	Short Description	Description	Weighting (%)	Exam Duration
Report	AS1	INDUSTRY BASED SCENARIO REPORT	50	
Exam	AS2	CLOSED BOOK EXAM	50	3

Aims

This module will provide an in-depth understanding into the production management of modern, complex and fast paced construction projects. This module will also provide an appropriate awareness and expertise about key aspects of Building Information Modelling (BIM) within the Construction Management role.

Learning Outcomes

After completing the module the student should be able to:

1	Critically evaluate the context, factors and issues that affect the production planning and management of a construction project.
2	Plan, organise and manage more efficiently the construction process using industry standard software and effective coordination of information modelling using BIM
3	Examine how quality, workmanship and waste are controlled and an effective communication is maintained on the construction site through BIM
4	Evaluate the principal features of health and safety legislation, including the CDM regulations and the impact on the production planning in construction
5	Critically analyse the role of the project manager within the production process and working in collaboration with other roles within the project.

Learning Outcomes of Assessments

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

Industry based scenario report	2	3	
Closed book exam	1	4	5

Outline Syllabus

Principles and application of effective construction site management:
Effective production planning, communication and control using IT tools:
Building Information Modelling (BIM) development and implementation in production planning
Health and safety legislation and implementation
Quality Management and Quality Control issues
People management skills

Learning Activities

Lectures and workshops

Notes

This module will provide an in-depth understanding into the production management of modern, complex and fast paced construction projects and the role and application of BIM.