

Liverpool John Moores University

Title: Industrial and Project Management
Status: Definitive
Code: **6565ENGSBC** (120223)
Version Start Date: 01-08-2018

Owning School/Faculty: Maritime and Mechanical Engineering
Teaching School/Faculty: The Sino-British College

Team	Leader
Russell English	Y
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Academic Level: FHEQ6 **Credit Value:** 20 **Total Delivered Hours:** 74
Total Learning Hours: 200 **Private Study:** 126

Delivery Options

Course typically offered: Standard Year Long

Component	Contact Hours
Lecture	48
Tutorial	24

Grading Basis: 40 %

Assessment Details

Category	Short Description	Description	Weighting (%)	Exam Duration
Exam	AS2	Examination	70	2
Report	AS1	Coursework Assignment	30	

Aims

This module is designed to develop the core management techniques required to design, implement and plan a new product or process.

Learning Outcomes

After completing the module the student should be able to:

- 1 Apply decision making techniques to select a solution to a problem
- 2 Apply a fundamental knowledge of intellectual property law to protect a solution
- 3 Define, organise, plan and control a project
- 4 Model product cost, sales and profit
- 5 Explain fundamental marketing and sales strategies and contract law

Learning Outcomes of Assessments

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

Examination	1	2	3	4	5
Coursework assignment	3				

Outline Syllabus

Decision making tools. Selecting solutions from a range of options.

Fundamental principles of intellectual property law to protect a solution.

Developing a specification to meet a customer need. Product/process analysis visualisation tools (e.g. IDEF, Value Stream Mapping)

Project definition, the characteristics of projects in various fields of engineering. The project management life cycle. Project scope. Project planning to achieve cost, time and quality objectives. Network techniques and the use of Gantt charts. Project execution. Quality and risk management of projects. The role of the project manager and project teams. Closing a project.

Investment appraisal, modelling product cost, sales, and profit.

Marketing and sales strategies. Fundamentals of contract law.

Learning Activities

A series of lectures and tutorials

Notes

The module introduces students to the background of industrial management which graduates will experience in the engineering industrial environment.