

### Summary Information

Module Code	6365ELE
Formal Module Title	Industrial Management
Owning School	Engineering
Career	Undergraduate
Credits	20
Academic level	FHEQ Level 6
Grading Schema	40

### Teaching Responsibility

LJMU Schools involved in Delivery
Engineering

### Learning Methods

Learning Method Type	Hours
Lecture	22
Online	22
Tutorial	22

### Module Offering(s)

Display Name	Location	Start Month	Duration Number Duration Unit
SEP-CTY	CTY	September	12 Weeks

### Aims and Outcomes

Aims	This module is designed to develop the core management techniques required to design, implement and plan a new product or process.
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## After completing the module the student should be able to:

### Learning Outcomes

Code	Number	Description
MLO1	1	Apply decision making techniques to select a solution to a problem
MLO2	2	Apply a fundamental knowledge of intellectual property law to protect a solution
MLO3	3	Define, organise, plan and control a project
MLO4	4	Model product cost, sales and profit
MLO5	5	Explain fundamental marketing and sales strategies and contract law

### Module Content

Outline Syllabus	Decision making tools. Selecting solutions from a range of options. Defining and structuring a project. Developing a specification to meet a customer need. Organisational structures and functions. Product/process analysis visualisation tools (IDEF, Value Stream Mapping) Project planning methods; introduction to current standards (reference to standards such as PRINCE2). Fundamental principles of intellectual property law. Trade secrets, patents and publication. Marketing and sales strategies and fundamentals of contract law. Modelling product cost, sales, and profit. Economic modelling, sensitivities, forecasting cash flow (NPV) and investment appraisal. Management of people and teams.
Module Overview	This module is designed to develop the core management techniques required to design, implement and plan a new product or process.
Additional Information	The module introduces students to the background of industrial management which graduates will experience in the engineering industrial environment. Where this module is part of a Degree Apprenticeship programme, the knowledge learning outcomes are K4, the skills learning outcomes are S5, S10 and S13

### Assessments

Assignment Category	Assessment Name	Weight	Exam/Test Length (hours)	Module Learning Outcome Mapping
Centralised Exam	Examination	70	2	MLO1, MLO2, MLO3, MLO4, MLO5
Essay	Coursework assignment	30	0	MLO3

### Module Contacts

#### Module Leader

Contact Name	Applies to all offerings	Offerings
Ian Jenkinson	Yes	N/A

#### Partner Module Team

Contact Name	Applies to all offerings	Offerings
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