Liverpool John Moores University

Title:	Industrial Management
Status:	Definitive
Code:	**6165ENG** (120123)
Version Start Date:	01-08-2019
Owning School/Faculty:	Maritime and Mechanical Engineering
Teaching School/Faculty:	Maritime and Mechanical Engineering

Team	Leader
Rob Darlington	Y

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.

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.

Learning Activities

Lectures and tutorials

Notes

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