Industrial Management

Module Information

2022.01, Approved

Summary Information

Module Code	6504MECBHG
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
LJMU Partner Taught

Partner Teaching Institution

Institution Name
Beaconhouse Group

Learning Methods

Learning Method Type	Hours
Lecture	44
Tutorial	22

Module Offering(s)

Display Name	Location	Start Month	Duration Number Duration Unit
SEP-PAR	PAR	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.

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	Turn an entrepreneurial idea into a project. Organise, plan and control the 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.Understanding the entrepreneurial process and turning the idea into a project. 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. Closing a project.Modelling product cost, sales, and profit. Economic modelling, sensitivities, forecasting cash flow (NPV) and investment appraisal.Product/process analysis visualisation tools (IDEF, Value Stream Mapping) Fundamental principles of intellectual property law. Trade secrets, patents and publication.Marketing and sales strategies and fundamentals of contract law.
Module Overview	
Additional Information	The module introduces students to the background of industrial management which graduates will experience in the engineering industrial environment

Assessments

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

Module Contacts

Module Leader

Contact Name	Applies to all offerings	Offerings
Russell English	Yes	N/A

Partner Module Team

Contact Name	Applies to all offerings	Offerings