

Production and Process Management

Module Information

2022.01, Approved

Summary Information

Module Code	6510DAV
Formal Module Title	Production and Process 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
German Academy for Foreign Trade and Logistics

Learning Methods

Learning Method Type	Hours
Lecture	40
Workshop	40

Module Offering(s)

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

Aims and Outcomes

Aims	To analyse the principles and practices of management in processes and production in the context of wider logistics systems.
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After completing the module the student should be able to:

Learning Outcomes

Code	Number	Description
MLO1	1	Critically evaluate issues relating to production and process management and their relationship to logistics.
MLO2	2	Model effectively simple business processes in terms of people, and activity sequences involved, the data and materials flowing through those.
MLO3	3	Assess thoroughly the documented business processes using their key operations characteristics such as e.g. material flow volume and level of service or product customization.
MLO4	4	Appraise comprehensively the role of production management in businesses.
MLO5	5	Design efficiently manufacturing facilities based on basic models and methods.

Module Content

Outline Syllabus	1. Process Management- Processes in the Information Economy- Manufacturing and Processes- Operation Process Concepts- Process Modelling and Simulation- Processes and Quality Control- Managing Supply, Demand and Inventory- Process Re-engineering2. Production Management- Basic Types of Production Systems- Lean Manufacturing- Forecasting and Aggregate Planning- Queueing Management- Material Requirements Planning- Production Scheduling
Module Overview	
Additional Information	Formal lectures will be supported by student group work under lecturer supervision. Case studies will help the students with a better understanding. Group work will focus on the relationship between production, supply, demand and inventory management.

Assessments

Assignment Category	Assessment Name	Weight	Exam/Test Length (hours)	Module Learning Outcome Mapping
Exam	Written Examination	45	1.5	MLO1, MLO2, MLO3, MLO4
Report	Case Study: Written report	55	0	MLO2, MLO3, MLO5

Module Contacts

Module Leader

Contact Name	Applies to all offerings	Offerings
Ben Matellini	Yes	N/A

Partner Module Team

Contact Name	Applies to all offerings	Offerings
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