

Liverpool John Moores University

Title: Production and Process Management

Status: Definitive

Code: **6510DAV** (128297)

Version Start Date: 01-08-2021

Owning School/Faculty: Engineering

Teaching School/Faculty: German Academy for Foreign Trade and Logistics

Team	Leader
Ben Matellini	Y

Academic Level: FHEQ6 **Credit Value:** 20 **Total Delivered Hours:** 81.5

Total Learning Hours: 200 **Private Study:** 118.5

Delivery Options

Course typically offered: S1 and Non Std S2 (S2 for Jan)

Component	Contact Hours
Lecture	40
Workshop	40

Grading Basis: 40 %

Assessment Details

Category	Short Description	Description	Weighting (%)	Exam Duration
Exam	AS1	Written Examination	45	1.5
Report	AS2	Case Study: Written report	55	

Aims

To analyse the principles and practices of management in processes and production in the context of wider logistics systems.

Learning Outcomes

After completing the module the student should be able to:

- 1 Critically evaluate issues relating to production and process management and their relationship to logistics.
- 2 Model effectively simple business processes in terms of people, and activity sequences involved, the data and materials flowing through those.
- 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.
- 4 Appraise comprehensively the role of production management in businesses.
- 5 Design efficiently manufacturing facilities based on basic models and methods.

Learning Outcomes of Assessments

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

Written Examination	1	2	3	4
Case Study: Written report	2	3	5	

Outline Syllabus

1. *Process Management*
 - *Processes in the Information Economy*
 - *Manufacturing and Processes*
 - *Operation Process Concepts*
 - *Process Modeling and Simulation*
 - *Processes and Quality Control*
 - *Managing Supply, Demand and Inventory*
 - *Process Re-engineering*
2. *Production Management*
 - *Basic Types of Production Systems*
 - *Lean Manufacturing*
 - *Forecasting and Aggregate Planning*
 - *Queueing Management*
 - *Material Requirements Planning*
 - *Production Scheduling*

Learning Activities

Integrated series of formal lectures and tutorials.

Notes

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.

