

Warehouse and Material Flow Planning

Module Information

2022.01, Approved

Summary Information

Module Code	5505DAV
Formal Module Title	Warehouse and Material Flow Planning
Owning School	Engineering
Career	Undergraduate
Credits	20
Academic level	FHEQ Level 5
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 examine issues relating to warehousing and material flow planning and management, including application of project management techniques.
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After completing the module the student should be able to:

Learning Outcomes

Code	Number	Description
MLO1	1	Discuss the roles and functions of warehouse operations.
MLO2	2	Analyse warehousing and material flow systems
MLO3	3	Employ management tools to successfully lead teams to project completions.

Module Content

Outline Syllabus	1. Logistics Project Management Project Setup and Activity Breakdown Structure Work Packages and Activities Contract Law Resource and Cost Allocation Project Management Tools Project Manager Roles 2. Material Flow Systems Types of Warehouse Operations Inbound, Outbound and Consignment Operations Static Systems Dynamic Systems Warehouse Equipment
Module Overview	
Additional Information	Formal lectures will be supported by group works under supervision of lecturers. Students work in groups with a business-set-up on a Logistics Project such as the design and implementation of a Warehouse or similar projects connected to business. Lecturers teach methods and act as consultants to student groups during the groupwork phase. The project planning and results have to be presented. Learning Outcomes will be assessed with this presentation.

Assessments

Assignment Category	Assessment Name	Weight	Exam/Test Length (hours)	Module Learning Outcome Mapping
Presentation	Group Presentation	100	0	MLO1, MLO2, MLO3

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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