

Liverpool John Moores University

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Title: Warehouse and Material Flow Planning
Status: Definitive
Code: **5505DAV** (128033)
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: FHEQ5 **Credit Value:** 20 **Total Delivered Hours:** 80
Total Learning Hours: 200 **Private Study:** 120

Delivery Options

Course typically offered: Semester 1 and Summer

Component	Contact Hours
Lecture	40
Workshop	40

Grading Basis: 40 %

Assessment Details

Category	Short Description	Description	Weighting (%)	Exam Duration
Presentation	Present	Group Presentation	100	

Aims

To examine issues relating to warehousing and material flow planning and management, including application of project management techniques.

Learning Outcomes

After completing the module the student should be able to:

- 1 Discuss the roles and functions of warehouse operations.
- 2 Analyse warehousing and material flow systems
- 3 Employ management tools to successfully lead teams to project completions.

Learning Outcomes of Assessments

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

Group Presentation	1	2	3
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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*

Learning Activities

Integrated series of formal lectures and tutorials.

Notes

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.