Liverpool John Moores University

Title:	Supply Chain Simulation
Status:	Definitive
Code:	**6512DAV** (128299)
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:**	80
Total Learning Hours:	200	**Private Study:**	120		

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

Component	Contact Hours
Lecture	40
Tutorial	20
Workshop	20

Grading Basis: 40 %

Assessment Details

Category	Short Description	Description	Weighting (%)	Exam Duration
Report	AS1	Written Report, 4,000 words	50	
Presentation	AS2	Group presentation	50	

Aims

To study the concept and practice of supply chain management from the viewpoints of manufacturer, logistics service providers and governments, and to examine the structure of supply chain as an integral part of a competitive business operations.

Learning Outcomes

After completing the module the student should be able to:

1	Manage the operation of the various forms of co-operations between partners in supply chains.
2	Analyse the effectiveness of an integrated supply chain from different perspectives.
3	Examine the range of standards, regulations and codes of practice with which the industry must comply.
4	Design, plan and implement integrated supply chains based on practical business applications.

Learning Outcomes of Assessments

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

Written Report	2	4
Group presentation	1	3

Outline Syllabus

Applied Supply Chain Management
Views of Supply Chain Management
Business Modeling in Sourcing
Integrated Manufacturing Planning
Scheduling and Forecasting
Internationalization of Supply Chains
Case Study: Supply Chain Simulation

Learning Activities

Integrated series of formal lectures and tutorials.

Notes

Students work in groups of four as part of the simulation. Each group represents the senior management of a company within the simulation environment. They have to apply their knowledge gained during all previous semesters and make decisions for the company's operations, and supply chain. The lecturing team lectures some advanced LSCM topics and consults the students during their decision making process. The simulation is played in six rounds. Each decision, aim, and result is documented in the final report.