Supply Chain Simulation

Module Information

2022.01, Approved

Summary Information

Module Code	6512DAV
Formal Module Title	Supply Chain Simulation
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
Tutorial	20
Workshop	20

Module Offering(s)

Display Name	Location	Start Month	Duration Number Duration Unit
JAN-PAR	PAR	January	12 Weeks

Aims and Outcomes

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.

After completing the module the student should be able to:

Learning Outcomes

Code	Number	Description
MLO1	1	Manage the operation of the various forms of co-operations between partners in supply chains.
MLO2	2	Analyse the effectiveness of an integrated supply chain from different perspectives.
MLO3	3	Examine the range of standards, regulations and codes of practice with which the industry must comply.
MLO4	4	Design, plan and implement integrated supply chains based on practical business applications.

Module Content

Outline Syllabus	Applied Supply Chain ManagementViews of Supply Chain ManagementBusiness Modelling in SourcingIntegrated Manufacturing PlanningScheduling and ForecastingInternationalization of Supply ChainsCase Study: Supply Chain Simulation
Module Overview	
Additional Information	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.

Assessments

Assignment Category	Assessment Name	Weight	Exam/Test Length (hours)	Module Learning Outcome Mapping
Report	Written Report	50	0	MLO2, MLO4
Presentation	Group presentation	50	0	MLO1, 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