LIVERPOOL JOHN MOORES UNIVERSITY

Lean Operations

Module Information

2022.01, Approved

Summary Information

Module Code	6726SERCBM
Formal Module Title	Lean Operations
Owning School	Business and Management
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
South Eastern Regional College

Learning Methods

Learning Method Type	Hours
Lecture	22
Seminar	22

Module Offering(s)

Display Name	Location	Start Month	Duration Number Duration Unit
SEP-PAR	PAR	September	12 Weeks

Aims and Outcomes

Aims	• To develop students' understanding regarding the application of methodologies within business quality management.• To introduce students to the concepts of Six Sigma and Lean and their associated tools and techniques as means to improve process performance.

After completing the module the student should be able to:

Learning Outcomes

Code	Number	Description
MLO1	1	Identify and critically analyse business process problems and apply appropriate techniques for process improvement.
MLO2	2	Demonstrate knowledge of Lean Six Sigma principles and tools at Yellow Belt level.
MLO3	3	Demonstrate knowledge of Lean Six Sigma principles and tools at Green Belt level.
MLO4	4	Critically assess resource allocation decisions using m contemporaneous management practices.

Module Content

Outline Syllabus	• Lean principles • Lean Thinking• Agile operations• Mass Customisation operations• Six Sigma principles• Materials and Manufacturing Planning Systems (MRP & MRPII) • Enterprise Resource Planning Systems (ERPs)
Module Overview	
Additional Information	This module is part of the Operations and Technology Management pathway.

Assessments

Assignment Category	Assessment Name	Weight	Exam/Test Length (hours)	Module Learning Outcome Mapping
Portfolio	Yellow Belt - Six Sigma	50	0	MLO1, MLO2
Portfolio	Green Belt - Six Sigma	50	2	MLO3, MLO4

Module Contacts

Module Leader

Contact Name	Applies to all offerings	Offerings
Foteini Stavropoulou	Yes	N/A

Partner Module Team

Contact Name	Applies to all offerings	Offerings