

## Module Information

2022.01, Approved

### Summary Information

Module Code	5611TECYPC
Formal Module Title	Operations and Technology Management
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
YPC International College (Kolej Antarabangsa YPC)

### Learning Methods

Learning Method Type	Hours
Lecture	24
Seminar	18
Workshop	24

### Module Offering(s)

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

## Aims and Outcomes

Aims	To introduce students to all aspects of operations management theory and practice in both services and manufacturing; To give students the skills to solve real-world operations-related problems.
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**After completing the module the student should be able to:**

### Learning Outcomes

Code	Number	Description
MLO1	1	Identify and explain operations management theories, models and tools within a case study context
MLO2	2	Identify and explain suitable tools and techniques to solve operations-related problems
MLO3	3	Identify appropriate operational strategies and explain these within the context of operational decision making

## Module Content

Outline Syllabus	Introduction to Operations Management Developing an operations strategy Operation Process and Life Cycle Locating, designing and managing facilities Managing Supply Chain relationships Managing Materials and Inventory performance Managing Capacity and Demand Managing Quality Managing Queuing and customer satisfaction Developing new products and services
Module Overview	
Additional Information	This module will introduce the students to how organisations produce goods and/or services. It is a broad subject that encompasses process and technology management and design, product design, production planning and control, quality management, supply chain management and inventory management. This module is designed to introduce the students to the theory and practice of these areas which can be studied in more depth in Levels 6 of the degree programme.

## Assessments

Assignment Category	Assessment Name	Weight	Exam/Test Length (hours)	Module Learning Outcome Mapping
Report	Individual Report	60	0	MLO1
Presentation	Group Presentation	40	0	MLO2, MLO3

## Module Contacts

### Module Leader

Contact Name	Applies to all offerings	Offerings
Karl Jones	Yes	N/A

### Partner Module Team

Contact Name	Applies to all offerings	Offerings
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