

Liverpool John Moores University

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Title: Operations and Technology Management
Status: Definitive
Code: **5611TECYPC** (129172)
Version Start Date: 01-08-2021

Owning School/Faculty: Engineering
Teaching School/Faculty: YPC International College (Kolej Antarabangsa YPC)

Team	Leader
Karl Jones	Y

Academic Level: FHEQ5 **Credit Value:** 20 **Total Delivered Hours:** 66
Total Learning Hours: 200 **Private Study:** 134

Delivery Options

Course typically offered: Semester 1

Component	Contact Hours
Lecture	24
Seminar	18
Workshop	24

Grading Basis: 40 %

Assessment Details

Category	Short Description	Description	Weighting (%)	Exam Duration
Report	AS1	Individual Report	60	
Presentation	AS2	Group Presentation	40	

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.*

Learning Outcomes

After completing the module the student should be able to:

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

Learning Outcomes of Assessments

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

Individual Report	1	
Group Presentation	2	3

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

Learning Activities

Lectures, workshops and seminars.

Notes

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.