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Title: Supply Chain and Logistics Management
Status: Definitive
Code: **6608TECYPC** (129171)
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: FHEQ6 **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	Report writing	50	
Technology	AS2	Coursework	50	

Aims

The aim of this module is to develop knowledge and understanding of global supply chain management from the upstream functions of procurement and operations to the downstream decision-making framework for the multimodal transportation of goods. It is designed to convey the importance of the integration of customer

service objectives with other elements of a supply chain, in the context of expected future business trends, including the development of e-business. The module looks into how the integration can be achieved in practice.

Learning Outcomes

After completing the module the student should be able to:

- 1 Explain the nature of the business landscape and the expected future trends including outsourcing, supply chain management, and e-business
- 2 Understand and critically evaluate the challenges of managing networks of international suppliers and customers
- 3 Analyse appropriate frameworks for the process of supplier selection and evaluation for the creation of competitive advantage
- 4 Analyse the supply and demand of freight transport services based on integrated modal choice decision making frameworks

Learning Outcomes of Assessments

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

Report writing	1	2
Coursework	3	4

Outline Syllabus

1. *Global Supply Chain Management and Multimodal Logistics*
2. *Purchasing and Strategy*
3. *Supplier Relationships*
4. *Materials Management with the ERP Systems*
5. *Modal Choice and Standardisation Issues in Intermodal Transport Operations*
6. *Global Transport Geography: Sustainable Logistics Gateways and Megaregions*
7. *Global Supply Chain Security and Resilience*
8. *Managing Global Supply Chain Projects*
9. *Demand and Order Management*
10. *Managing Inventory in the Supply Chain*

Learning Activities

Lectures, workshops and seminars.

Notes

This module is designed to engage students with some practical knowledge on managing supply chain and logistics in organisations. Supply chain and logistics knowledge is crucial for organisations with online presence and platforms (e.g., e-

commerce). As businesses are now digitalised, this module will help students to understand the supply chain and logistics arrangements for pure-clicks, click-and-mortals in addition to traditional brick-and-mortals.