

## Module Synopsis

### – Postgraduate Diploma in Logistics and Supply Chain Management

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#### Operations Management

Familiarises students with the nature and processes of operations management and decision-making techniques that are used to overcome or minimise some common operating problems within organisations. This includes location, production design and specification, quality standards and control and productivity measurement. In this subject, a balance of service and manufacturing applications is maintained.

Assessment weighting: 100% coursework

#### Accounting and Finance for Decision Making

To provide students with sound technical knowledge for understanding and preparing financial accounts. Foundation knowledge and understanding of the fundamental principles of accounting and finance will be taught. Students will also be introduced to simple financial budgeting/planning, cost allocation, time value of money, cash flow projection and other relevant concepts.

Assessment: Coursework 100%

#### Global Logistics

Provides a coverage of logistics operations in (an introduction to the role of logistics) global business, (including the economic and service characteristics of international transportation providers, the government's role,) its documentation and terms of sale used in international commerce, and the fundamentals of effective export and import management. Emphasis is placed on the international context (and the development of new approaches using IT to improve the flow and impact of information) featuring globalisation with ubiquitous commerce

Assessment weighting: Coursework 100%

#### Physical Distribution and Logistics

Warehousing and (Physical) Distribution Management are important (flow control) supply chain logistics activities. (Regardless of the efficiency with which all preceding activities have been conducted,) these activities have major roles in determining the degree to which total customer satisfaction is achieved.

In today's global business environment, (the quality of) warehousing and distribution management can have significant impact on Supply chain efficiency, customer service and corporate (performance and) profitability.

Assessment weighting: Coursework 100%

#### Logistics and Supply Chain Management

This module is to provide students with the critical knowledge of logistics and supply chain management and the ability to apply this information in the management of a firm's related activities or within the scope of the logistics service provider's activities.

Assessment weighting: Coursework 100%

## Transport Logistics

This module explores the logistics practice in managing transport for supply chain logistics (and distribution of goods, i.e. outbound logistics. The interaction between facility location decisions and the transport network are examined in a national and international context. Analytical methods are used extensively to explore alternative location and transport routing policies.) The tools and techniques widely adopted in logistics practice are covered with insights into its implications for optimising supply chain logistics in logistics trade-offs. The carrier practice and shipper perspectives in transport management are also highlighted in illustrating transport costing and pricing economics. Outsourcing transport management is another focus in this module

Assessment weighting: Coursework 100%

## Introduction to Research

This aim of this module is to provide students with the skills to apply the management research process, from identifying problem areas to understand the planning and design of managerial research. Emphasis will be given to research in engineering management.

Students will prepare to undertake an independent enquiry through individual self-directed project work. This module provides students with the skills and knowledge to design and plan a research project. Students will develop research objectives, formulate appropriate methodologies, and critique literature. Students will develop a research plan in order to explore their research ideas. They will also show an ability to communicate their ideas and plans in both oral and written forms.

Assessment: Coursework 100%

## Applied Special Project

The aim of this module is to facilitate an independent enquiry in a small scale substantial piece of individual self-directed research work.

This module provides students with the opportunity to conduct a piece of research through individual and independent activity and to present their findings using visual aids and in written academic format that meets professional standards.

Students will develop research objectives, formulate appropriate methodologies, and apply problem solving and analytical skills in a business context of their choice.

Assessment: Coursework 100%