

Master of Science/Postgraduate Award in Engineering Business Management
Developed and awarded by The University of Warwick, UK

MODULE OUTLINES

Business Strategy and Strategic Management

The primary purposes of this module are to build on the strategic planning and implementation elements of the MSc programme and to enable participants to understand how they can contribute to the development and/or implementation of their company's business and operational strategies.

Financial Analysis and Control Systems

This module provides an understanding of basic accounting principles, terminology and techniques; so that in their work, participants can interpret financial reports and appropriate management accounting practices and contribute to departmental financial planning and control.

Innovation

Many organisations are finding that in order to succeed in increasingly competitive markets they need people who can manage innovation. Although useful insights abound within literature, the body of management

Lean Principles and Applications

This module examines the principles, techniques, key tools of "Lean" and how they might apply in a variety of processes and sectors. The strategic importance of creating "lean enterprise" is explored as well as the challenges associated with achieving and sustaining this. The module also provides scope for participants to explore how they might appropriately apply their own organisations.

Legal Aspects of Global Business

In response to a changing competitive environment, the flexible employee is a valuable asset to the business. As a consequence, the skills, knowledge and decision making are widening. The module addresses the areas of law applicable to businesses operating in engineering and manufacturing, thus providing an awareness of the many aspects of the law that are relevant to the management task. This awareness is developed sufficiently to allow the appropriate initial action to be

Organisations, People and Performance

This module introduces engineers and technical people to the 'people' aspects of an organisation. The emphasis is on increasing the participant's knowledge and understanding of strategic human resource issues that affect operations on a daily basis. Organisational behavioural and management concepts will be explored with the objective of providing participants with a theoretical foundation sufficient to evaluate the Human Resource Strategies of their own organisation. Module delivery is interactive and draws upon the participant's organisational experience as much as possible.

Procurement and Inventory Management

This module puts emphasis on the design and management of processes and control systems of the inbound supply chain. The content that is covered in this module includes procurement processes and strategies, risk pooling and multi-stage inventory control systems, value of collaboration and streamlined information and financial flow in supply chains, supplier relationship management as well as elementary and advanced methods for

Storage and Warehousing Techniques

A well managed warehouse is now recognised as a potential major source of competitive advantage as opposed to just another source of cost within the supply chain. To achieve this competitive advantage it is important to choose the right type of operation, processes and equipment, and then understand and continuously improve performance through appropriate measures and controls. Staff motivation and safety is also seen as important aspects within today's warehouse. This module will provide an overview of all these areas.

Supply Chain Management

This module covers a wide range of topics in supply chain strategies, design, planning, operations and development. Emphasis has been mainly on the perspective of integrated supply process. Releasing value in business through relationship management, cost reduction and lean supply have been the key considerations. The module also provides real world cases of supply chain management, which illustrate ways of achieving enduring competitiveness.

Transport Techniques and Management

This module aims to give participants an understanding of the basic techniques used in freight transportation. All major techniques in the areas of road transport, airfreight, rail freight and water borne freight are discussed. It will