

Management and Organisational Behaviour

Aims and Summary

The module aims to provide an understanding of the practical and professional issues associated with organisational behaviour and how these relate to effective management practice. The module demonstrates the application of behavioural science within the workplace and emphasises the role of management as a core integrating activity. It will provide an understanding of the human aspects of the management of change.

Intended Module Learning Outcomes

On completion of this module the student should be able to:

1. Demonstrate a critical knowledge of important areas of theory relevant to the study of organisations.
2. Assess the need for effective management within an organisation and propose appropriate tactics and strategies for improving performance
3. Assess practical and professional issues associated with organisational behaviour and how these relate to the effectiveness of an organisation.
4. Recommend an appropriate strategy for implementing change in an organisation

Supply Chain and Logistics Management

Aims and Summary

This module provides students with a broad introduction to fundamental concepts and issues associated with logistics and places these within the wider framework of managing the supply chain. Motivation for the optimisation of processes is presented within the business context, and methods underlying inventory management, materials handling, and transport and distribution systems are introduced. The benefits of an integrated approach and analytical techniques in supporting efficient management of the supply chain are also considered. Students will gain an insight into the roles of professionals in the industry and develop an awareness of the effects of globalisation on the logistics function.

Intended Module Learning Outcomes

On completion of this module the student should be able to:

1. Describe the basic logistics operations associated with the movement of goods and services through the supply chain.
2. Apply elementary analytical techniques to the solution of a simple logistics problem.

Introduction to Research Methods

Aims and Summary

This module introduces students to the process of business research and decision making. It provides an understanding of the practical and professional issues associated with the analysis, design and choice of solutions to business problems, and demonstrates the need for formal planning and management in the development of business projects. Students will be introduced to creating a research design, carrying out a literature survey, and selecting methods for data collection and analysis. The module is intended to underpin final stage honours projects and will include an introduction to both quantitative and qualitative research methods.

Intended Module Learning Outcomes

On completion of this module the student should be able to:

1. apply selected management science techniques at appropriate stages in the analysis and solution of business problems
2. work effectively as an individual to manage a piece of business research including the selection and application of appropriate research methods.
3. write a proposal for an undergraduate project citing appropriate literature and with a suitable research design.

Aviation Management

Aims and Summary

This module outlines the organisation of the airline industry and the various factors that affect the management and operation of international and regional carriers. The problem of financing airline operations and investment, and the different marketing strategies used by airline business are also introduced. The interdependence between airlines, aircraft manufacturers, and airport authorities is explored.

Intended Module Learning Outcomes

Upon successful completion of this course, students should be able to:

1. Demonstrate an understanding of the organisation of the global airline industry and explain the various factors which affect airline businesses.
2. Analyse and evaluate the financial arrangements of a typical aerospace company including accounts, financial reports, fund raising and airframe generation.
3. Assess the impact of the various regulatory requirements on the economics of airline businesses.
4. Analyse the marketing strategies and the marketing mix (price, place, product, and promotion) of an airline business.

Aviation Safety, Security and Emergency Planning

Aims and Summary

The module explores current approaches through regulation, management of human factors and the use of technology to safety and security issues applicable to aircraft, airports, flights and airline operations. It further considers essential procedures for coping with air and ground emergencies.

Intended Module Learning Outcomes

On completion of this module the student should be able to:

1. Demonstrate an understanding of the regulatory framework underpinning safety and security operations in the aviation industry.
2. Critically assess the consequences for human aspects of the air travel of devices and procedures required to achieve safety in the air and on the ground.
3. Evaluate the use of a variety of rules and technology in the pursuit of aviation security.
4. Design a contingency (aircraft disaster) plan exercising appropriate judgement.

Add-vantage Module (English)

Aims and Summary

This module is for non-native speakers of English.

The aims of this module are

- to encourage students to use the structures of language with ease and fluency and deal with a variety of written sources with ease and efficiency;
- to develop these language skills to a point where they can function quite effectively and without significant problems in academic and professional contexts;
- to develop their listening and speaking skills to a level where they are accurate and successful on most occasions, and can effectively find other words and expressions when they do not know the exact words.

Students are encouraged to build upon their knowledge of English so that they can justify their opinions, answer unpredictable questions, develop or explain complex points, explore the differences between language use and meaning in context, and use the language in a creative and flexible way, producing quite long and complex structures. Students are expected to improve their ability to understand a writer's purpose more intuitively, as well as exhibit greater discernment when making decisions about the usefulness or relevance of a text. (Ref: Common European Framework (CEF) C1; Association for Language Testers in Europe {ALTE} Level 4.).

Intended Module Learning Outcomes

On completion of this module the student should be able to:

1. Demonstrate an understanding of the main ideas of a continuous spoken discourse, recognising example and commentary.
2. Give a short talk on a topic, finding ways of expressing ideas fairly successfully even when they do not know the exact word or expression, and employing the appropriate style and register.
3. Respond appropriately to questions with pronunciation and intonation that is clear.
4. Identify a writer's purpose from the language employed.
5. Demonstrate a good level of grammatical accuracy in their writing.
6. Employ a variety of forms in order to lend interest and subtlety to their written text.

Project Management

Aims and Summary

This module introduces students to project management and provides a foundation for developing project skills, both human and technical, that will enable them to work on a variety of projects, primarily with a computer or knowledge based element.

Students are encouraged from the outset to see the role of the project manager within the broader perspective of strategic business management, understanding where projects come from and why they are selected. The roles of both the purchaser and the supplier of a computer or knowledge based project is recognised and explored. The importance of de facto project management scheduling skills, quality and estimating standards is emphasised.

The human and change aspects of projects are considered in order that the student may understand the effect on morale, productivity and quality of management decisions.

Intended Module Learning Outcomes

On completion of this module the student should be able to:

1. Recognise the project management environment within organisations, including the relationship of individual projects to organisational strategic objectives and the role of the project manager.
2. Select and evaluate project management tools and techniques that need to be applied for the effective and successful implementation of a project.
3. Identify and explain the changing organisational effects of projects on individuals within the organisation.
4. Schedule and appraise key aspects of industrial or knowledge based projects within the scope of the indicative content.

Global Logistics

Aims and Summary

This module examines a variety of approaches to the management of logistics operations that can be used to increase the efficiency and effectiveness of the supply chain. Emphasis is placed on the international context and the development of new approaches using IT to improve the flow and impact of information

Intended Module Learning Outcomes

On completion of this module the student should be able to:

1. Evaluate alternative management approaches to global logistics operations
2. Critically evaluate the role and operation of planning and scheduling systems in supply chain improvement.
3. Perform an analysis of the performance of a supply chain using appropriate analytical techniques.
4. Assess the costs and benefits associated with an international logistics network.

Aviation Strategy and Planning

Aims and Summary

The module explores the application of business strategy principles and practice in the aviation industry with specific reference to current developments in the ownership and operation of international and national airline businesses and route development.

Intended Module Learning Outcomes

On successful completion of the module the student will be able to:

1. Assess the linkages between industry trends and strategic opportunities for aviation development.
2. Evaluate aviation business strategy plans
3. Evaluate national and international policy and planning issues in aviation
4. Formulate opinions regarding the contributions of aviation and the impact of current and future policy in different world regions

Aircraft Engineering and Maintenance

Aims and Summary

This module aims to enhance students' practical experience of the aerospace industry and technology by using specifications to design, construct and evaluate the maintenance requirements of aircraft components. Students undertake work on the design, modeling, testing and maintenance requirements of a small aircraft.

Knowledge and skills gained from other modules on their course will be utilised.

Intended Module Learning Outcomes

On completion of this module the student should be able to:

1. Compose elements of an aircraft lifeing and maintenance policy and schedule it using appropriate techniques.
2. Utilise `total life' costing mechanisms, diagnostic and creative skills to reproduce the key elements of an airline industry operations costing model.
3. From a detailed specification, undertake design, construction and testing of a small aircraft.
4. Demonstrate an understanding of the requirements and factors affecting the maintenance of aircraft components.

Human Factors in Aviation

Aims and Summary

This module aims to provide students with an understanding of human factors and considers their impact on various parts of the aviation industry. Psychological, physical and social factors can all have an impact on human performance and behaviour. This can cause safety problems and accidents through pilot error or poor maintenance but also affects other parts of the industry. Students will gain an understanding of the need to take human factors into account in relation to management, training and design as well as an understanding of theoretical models of human error and techniques for measuring human performance.

Intended Module Learning Outcomes

Upon successful completion of this course, students should be able to:

5. Discuss psychological, physical and social factors that affect human performance and behaviour.
6. Analyse the role of human factors in work related to the aviation industry.
7. Evaluate models used in human factor analysis and propose appropriate techniques to measure human performance.
8. Demonstrate an understanding of how planning and organisation may be used to improve the operation of a system used in the aviation industry.

Project

Aims and Summary

The project module will be a major individual study at Honours level in a subject related to the degree award. It serves as the main vehicle for integration of the various programme modules and provides a focus for practical application of the knowledge gained on the programme. Each project must be unique and will therefore vary in scope and emphasis. Projects are expected to be a substantial practical problem-solving exercise or a research study which require students to demonstrate their skills in organisation, time-management, investigation and communication. The Honours Project provides the opportunity to extend knowledge and experience in a specialised area.

Intended Module Learning Outcomes

On completion of this module the student should be able to:

1. Take responsibility for the management of a project or piece of research in the subject area of the degree award.
2. Produce a product in the form of a system or study to meet a set of agreed requirements.
3. Conduct an in-depth investigation relating to the requirements of the product or acquire and evaluate relevant background information for the research.
4. Reach relevant and useful conclusions in the evaluation of the implementation or the explanations offered.
5. Reflect on the process of developing the product or undertaking the research, report and communicate findings effectively.

Add-vantage Module (Effective Communication)

Aims and Summary

The aim of this module is to provide students with an understanding of the principles and techniques which will assist them to enhance personal communication skills, and to require them to analyse and apply appropriate communication strategies. Participants will be given the opportunity to practice these skills in a safe environment and reflect on current performance and future development need.

Students who undertake this module may be in a stronger position to secure employment. Cross-sector, employers have identified effective communication as an essential skill they look for when recruiting graduates.

Intended Module Learning Outcomes

On completion of this module the student should be able to:

1. Reflect on their employability competencies and career management skills and plan their future development.
2. Recognise the importance of self awareness as a starting point to enhance employment skills.
3. Appraise and formulate different inter-personal communication strategies
4. Apply tools and techniques to demonstrate the ability to manage communication in different situations effectively
5. Write a self-reflective journal, recognising personal strengths and areas for development