

**MODULE: INFORMATION SYSTEMS MANAGEMENT**

<b>Semester:</b>	II (Spring)
<b>Stage:</b>	III
<b>Number of Credits:</b>	4 semester credits/6 quarter units
<b>Theme:</b>	Information Technology
<b>Assessment Weighting:</b>	60% Examination 40% - Coursework

**INTRODUCTION**

This module focuses on the use of information in the modern business environment. Students develop an understanding of both the sources and uses of information. Information management involves managing the technologies that store and manipulate that information. Students explore the wide range of topics involved in successful Information Systems management.

**AIMS**

The aims of this module are:

- To develop students understanding of the importance of quality information in the decision making process within organisations.
- To enhance students knowledge of the process of developing information strategies.
- To develop students ability to identify the need for project monitoring and control and to apply structured methodologies to systems development.
- To provide students with the tools to identify with project teams and the various roles of team participants.
- To provide students with an opportunity to become competent in the various communication technologies available.

**LEARNING OUTCOMES**

On completion of this module, students will be able to:

- Explain how to use information systems effectively.
- Explain the principal areas of systems development, design and delivery.
- Participate in specification and delivery of systems to end-users.
- Compare and contrast available software solutions and projects in a particular market and industry.
- Critically evaluate how a range of solutions may be selected to enhance computerised projects and delivery of quality information to management.

## **SYLLABUS**

Information and Organisations:  
Introduction to Information Systems  
Organising Information Systems  
Delivering Information Systems  
Project Initiation, Planning and Monitoring

Systems Design  
Identifying Requirements  
Investigating Existing Systems  
Documenting Program and User Requirements  
Documenting Systems and Procedures

System Development and Selection  
Defining need for In-House vs. Outsourced development  
Identifying User Requirements  
Selection of Software Packaged Solutions  
Methods and Metrics for Software Selection  
Technical Support Issues  
Data Warehousing  
Change and the Value Chain

Information System Evaluation and Review  
Quality Assurance of Development Process and Final Product  
Review of Expected Output  
Performance Measurement  
Legal Issues  
Acceptance Testing  
Change Management Review

Security and Back-up Systems  
Control Levels  
Hot Sites  
Escrow Procedures  
Supplier Role in Security Issues  
Program Monitored Security

## **TEACHING AND LEARNING METHODS**

This module will be taught by means of formal lectures and class assignments. When it is appropriate, guest lecturers will provide specialist sessions. The lecturer will guide the students on how to prepare and present their assignments.

## **ASSESSMENT METHODS**

Assessment will involve a combination of end of term examination and practical coursework. The coursework will concentrate on developing the student's ability to apply the theoretical concepts to a real work business circumstance.

## **PRIMARY READING LIST**

Strategic Management & Information Systems 2<sup>nd</sup> Ed. Wendy Robson Prentice Hall.  
Business Information Systems – Analysis, Design and Practice. 4<sup>th</sup> Ed. Curtis and Cobham. Prentice Hall.

## **RECOMMENDED READING LIST**

Business Information Systems – Technology, Development and Management for e business 2<sup>nd</sup> Ed. Bocij, Chaffey, Greasley, Hickie. Prentice Hall, 2002.  
E-commerce – business. technology. society. K. Laudon and C.G. Traver Addison Wesley.  
Essentials of Management Information Systems 5<sup>th</sup> Edition Laudon and Laudon.  
Information Systems Foulks Lynch 2002/03.  
Managing Information, IT for Business Processes, Wilson D, Butterworth Heinemann, Third Edition, 2002.