

MODULE: MANAGING INFORMATION SYSTEMS & E-BUSINESS

Semester: 2 (Spring)
Stage: 2
Theme: Information Technology Management
Number of Credits: 4 semester credits/6 quarter units

INTRODUCTION

This module is designed to develop the students' computing skills so that they can deliver business solutions through information technology. It is essential they fully understand the tasks involved in directing software development teams or through using end user applications themselves to meet the needs of organisations within the international hospitality industry. The module covers a variety of stages in the development process and examines the use of common tools and models used in system development and design. It is important that students are exposed to developments in e-business and the linkage between business function/processes and the process/effort required to deliver automated business solutions.

AIMS

To provide students with in-depth knowledge in relation to:

- The contribution which different types of information systems can make to the management decision-making process
- Applying structured and object-oriented software development
- Using system data models to facilitate communications with others
- Using appropriate tools and techniques to different stages of the software life cycle
- The development tools and models for systems analysis and design
- The principles and use of e-business technologies in the workplace and as control/competitive tool

LEARNING OUTCOMES

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

- Define the objectives and scope of needed systems
- Provide advice on the development, introduction and use of computer based information systems
- Use tools and techniques necessary to do business, implementation, and cost-benefit analysis of systems work
- Demonstrate hands-on experience with software development tools for systems analysis and design
- Construct data flow diagrams, data models and structured specifications
- Use system data models to produce cost-effective communication with others

- Use e-business technologies in the workplace as a control/competitive tool

ASSESSMENT

This module will require students to undertake both an individual and group based assessment, both will require considerable analysis and reflection of material. The group based assignment will involve the analysis of the some element of IS/e-business and its contribution to managing an international hospitality industry, and will require presentation of material to provide feedback and discussion. Collectively the course work assessments will account for 40% of the assessment marks and will consist of a project that will encompass the full systems life cycle, including analysis and design, and they will be required to build the system from their own designs, using a PC based data based package. A written examination will be held on module completion accounting for 60% of assessment marks.

Exam - 60%

Commentary style questions to demonstrate analysis and synthesis of information”
Analytical style questions to demonstrate knowledge, interpretation and assimilation of ideas and concepts

Course Work - 40%

Detailed project based assignment - set for completion on an individual basis
Group assignment & presentation of material – group based