

MODULE: BUSINESS INFORMATION SYSTEMS

GRIFFITH COLLEGE DUBLIN – BUSINESS STUDIES

FALL SEMESTER

PRE-REQUISITE: 1 semester Information Technology

INTRODUCTION

This module is designed to demonstrate how to deliver business solutions through Information Technology. Emphasis is placed on the importance of the tasks involved in directing software development teams or through using end user applications themselves to meet the needs of the business environment. 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.

SYLLABUS

SYSTEMS MANAGEMENT AND DEVELOPMENT

Define characteristics of good information
Align IS and IT Strategies
Stages of the Systems Development Life Cycle
Differentiate between Waterfall and Spiral Methods
Project Monitoring and Quality Control
Feasibility Studies, Contents and Issues
Pre Development Considerations

PROJECT INITIATION PLANNING AND MONITORING

Terms of Reference
Evaluating Current Systems
Defining User Requirements against Existing Systems
Broadly identify issues contained within System and User Specifications
Documenting Existing Procedures and user requirements

System Development Design and Selection
Cost Issues including cross charging
Investigate user requirements
Waterfall and Spiral Approaches
Prototyping as a Development Tool
External Design and Selection of Software Solutions
Software Packages and Bespoke Systems
Methods and Metrics for Software Selection
Technical Support Issues
CASE Tools
Rapid Application Development Techniques
Joint Application Developments
Evaluation of Information systems for quality, legal and other issues
Hardware Issues

IMPLEMENTATION

- Selection of Software Implementation Method and Delivery
- User Training
- Software Support and Project Management
- Performance Measurement and Quality Assurance
- Legal Issues
- Acceptance Testing
- Change Management Review

SECURITY ISSUES

- Organisational Controls
- Procedural Controls
- Access Control
- Program Monitored Security

POST IMPLEMENTATION AND SYSTEMS EVALUATION

- Housekeeping Routines
- Define Performance and Volume Requirements
- Quality Assurance and Value for Money
- Metrics of Success
- Categories of Maintenance