

**MODULE: BUSINESS INFORMATION SYSTEMS**

**GRIFFITH COLLEGE DUBLIN – ACCOUNTING & FINANCE**

**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