

MODULE DESCRIPTOR

MODULE TITLE	IT PROJECTS & PROGRAMMES		
MODULE CODE	CO4830(L7)	CREDIT VALUE	20 UK CREDITS / 10 ECTS
SCHOOL	SCHOOL OF SCIENCES		

MODULE AIMS

- To explore the theoretical underpinning of different IT project and programme approaches.
- To discuss and compare different styles of project and programme management.
- To examine a range of techniques used to tackle the problems of project management.
- To explore the human and organisational factors for running IT projects and programmes.
- Study and use the Structured Query Language (SQL)
- Design and develop a relational database according to the requirements of an organisation

MODULE CONTENT

Indicative syllabus content:

The module will cover all of the following broad areas, but will vary the detail and techniques introduced underneath each area depending on topical issues:

IT lifecycles

- Lifecycle comparisons
- Agile project lifecycles
- Continuous development of products

Planning & Contracts

- Timing and time frames
- High level estimation
- Scheduling approaches
- Contracts

Risk Management

- Risk assessment and management
- Risk at project and programme level

Quality & Maturity

- Quality
- Testing and evaluation
- Maturity models (CMMi, Stairway to heaven etc.)

Human & Organisational Aspects of Project Management

- Stakeholders and their input into IT products
- Team work
- The impact of organisational culture on IT development

Frameworks

- SAFe
- ABC Framework
- PRINCE2

INTENDED LEARNING OUTCOMES

On successful completion of this module a student will be able to:

1. Critically evaluate different IT project and programme lifecycles and frameworks.
2. Describe and critically assess IT project and programme stages and processes.
3. Critically examine approaches to IT development planning, contracts, risk, quality & maturity.
4. Identify and evaluate appropriate approaches for team working and involving stakeholders.

TEACHING METHODS

Lectures are used to introduce concepts, techniques and factual information.
Tutorials are used to discuss concepts, work through case studies and practice techniques.
Students are also expected to read extensively in their own time.

For the coursework, students do some group work and some individual work. They use a variety of techniques for a particular scenario. They are then asked to critically reflect on their work and to make links with the theory. In the exam students are asked to critically evaluate techniques, processes and theories, They are also given particular scenarios and asked to make recommendations for practice.

ASSESSMENT METHODS

This module is assessed through an examination and a written report about practical and team work.