



Module code	IRM_PCOM7E	NQF level	7
Credit value	10	Study duration	6 weeks

# Information Risk Management

## Module description

This module introduces students to the underpinning concepts and principles of Information Risk Management (IRM). This includes a review of traditional and contemporary Software Development Life Cycle (SDLC) models, focusing on the areas most affected by risk management considerations. The course will provide students with a combination of an understanding of IRM principles together with a review of assessment and mitigation techniques. Students will be introduced to the techniques in an engaging format, using a mixture of case studies, group work and individual activities.

### This module aims to:

- Provide students with:
  - an understanding of the basic principles of information risk management
  - an understanding of the relationship between IRM and the SDLC
  - an understanding of the role of risk management and residual risk in the SDLC
  - an appreciation for current and future challenges, limitations and opportunities.
  - the opportunity to reflect on and evaluate personal development

## Learning outcomes

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

- identify and analyse critically IT system risks and problems, and identify appropriate methodologies, tools and techniques to solve/mitigate them
- evaluate and adapt programs and systems to produce a solution that meets the design brief
- critically analyse and evaluate solutions produced
- systematically develop and implement the skills required to be effective member of a development team in a virtual professional environment, adopting real-life perspectives on roles and team organisation

## Syllabus

- What is Information Risk Management (IRM)? IRM and the software development life cycle (SDLC) -sources of risk and standards
- Risk, business continuity and disaster recovery
- Systems evolution: the changing face of IT, risk and management

## Learning and teaching methods

The module will be delivered through the provision of specified reading materials on the virtual learning platform, which shall be supported by specified online discussion forums and lecturecasts. The flexible and participative approach of the module will develop a collaborative research inquiry in the advancement of computing, enabling them to accelerate in their chosen career.

Students will demonstrate their ability and strengths through evidence and reflections by maintaining an e-portfolio. The e-portfolio will also act as a means for assessment on evidence of personal growth and CPD.

Synchronous sessions will give students the opportunity to interact with fellow students and for tutor contact. The sessions will include live coding sessions to help students contextualise their knowledge. These synchronous sessions will be recorded in order to ensure that all students can access the material in their own time.

At pre-arranged days and agreed times during the module (usually weekly, prior to a synchronous session), the module tutor will be available for a drop in telephone or preparatory learning liaison session. This is to give students the opportunity to ask specific and general questions relating to the week's learning opportunities and enable them to contextualise their learning.

For team activities in this module, students will be grouped according to time zones to ensure team members can communicate easily with each other. Details on the process for team activities and peer assessment will be made available to students at the outset of the module.

Description of unit of assessment	Length/Duration	Submission date	Weighting
Development team project: status report	1 page (600 words equivalent)	Unit 3	30%
Development team project: risk assessment report	1,500 words equivalent	Unit 6	40%
Individual reflective piece	500 words	Unit 6	30%