

ISCG6413: Testing and Quality Assurance in ICT

Course Number:	ISCG6413	Level:	6	Credits:	15
Main programme:	BCS				
Pre-requisites:	For BCS: none For GDCMP: none For DipITS: ISCG5430, ISCG5501				
Co-requisites:	BCS: ISCG5237 or ISCG5430 DipITS: ISCG4505				
Restrictions:	ISCG6243				
Compulsory/elective:	Elective				

Learning time¹: 150 hours

Directed (Supervised) Hours	Self-Directed (Unsupervised) Hours	Total Hours
32.5	117.5	150

Level Descriptor: The student is able to carry out processes that

- require a command of wide-ranging highly specialised technical or scholastic skills
- involve a wide choice of standard and non-standard procedures, often in non-standard combinations
- are employed in highly variable routine and non-routine contexts employing specialised knowledge with depth in more than one area
- the analysis, reformatting and evaluation of a wide range of information
- the formulation of appropriate responses to resolve both concrete and abstract problems and applied
- in managing processes
- within broad parameters for defined activities
- with complete accountability for determining and achieving personal and/or group outcomes.

Integrate

Estimate

Compare

Contrast

Differentiate

Course aim: Students will apply testing and quality assurance methods and techniques in the development of ICT solutions.

Learning Outcomes:

	Learning outcomes
1.	Critically evaluate the role of Quality and Quality Assurance in ICT solutions.
2.	Apply the principles of testing and distinguish between different types of tests and testing strategies.
3.	Develop and design tests.
4.	Evaluate automated testing tools