

ISCG5403: Networking Fundamentals

Course number:	ISCG5403	Level:	5	Credits:	15
Main programme:	BCS				
Pre-requisites:	For BCS: none For GDCMP: none For DiplTS: ISCG4500				
Co-requisites:	None				
Restrictions:	ISCG5233				
Compulsory/elective:	BCS: Elective GDCMP: Elective DiplTS: Compulsory				

Learning time: 150 hours

(Lecturer) Contact hours	Non-contact hours	Total hours
54	96	150

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

- require a wide range of specialised technical or scholastic skills
- involve a wide choice of standard and non-standard procedures
- are employed in a variety of routine and non-routine contexts employing
 - a broad knowledge base with substantial depth in some areas
 - analytical interpretation of a wide range of data
 - the determination of appropriate methods and procedures in response to a range of concrete problems with some theoretical elements and applied
 - in self-directed and sometimes directive activity
 - within broad general guidelines or functions
 - with full responsibility for the nature, quantity and quality of outcomes
 - with possible responsibility for the achievement of group outcomes.

Describe

Discuss

Interpret

Analyse

Identify

Discriminate

Distinguish

Monitor

Review

Explore

Course aim: To provide students with a good working knowledge of the concepts of Networking and Data Communications fundamentals.

Learning outcomes:

	Learning outcomes
1.	Discuss basic Data communications, Network Concepts and network topologies.
2.	Discuss different types of transmission media and identify issues relating to them.
3.	Discuss Network Protocols and standards
4.	Discuss Networking components