

Course title: Network Design and Implementation

Course number:	ISCG7402	Level:	7	Credits:	15
Main programme:	BCS				
Pre-requisites:	For BCS: (ISCG6401 or ISCG6221) and (ISCG6402 or ISCG6225) For GDCMP: (ISCG6401 or ISCG6221) and (ISCG6402 or ISCG6225)				
Co-requisites:	None				
Restrictions:	ISCG7221				
Compulsory/elective:	Elective				

Learning time: 150 hours

(Lecturer) Contact hours	Non-contact hours	Total hours
32.5	117.5	150

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

- require a command of highly specialised technical or scholastic and basic research skills across a major discipline
- involve the full range of procedures in a major discipline
- are applied in complex, variable and specialised contexts requiring
- knowledge of a major discipline with areas of specialisation in depth
- the analysis, transformation and evaluation of abstract data and concepts
- the creation of appropriate responses to resolve given or contextual abstract problems and applied
- in planning, researching and managing processes
- within broad parameters and functions
- with complete accountability for determining, achieving and evaluating personal and/or group outcomes.

Critically examine

Evaluate

Derive

Design

Predict

Anticipate

Decide

Recognise

Course aim: To provide students with an insight into various large network technologies

Learning outcomes:

Learning outcomes
1. Design and Implement a Large Network Infrastructure System.
2. Design and Implement Name Resolution Techniques.
3. Design and Implement a Wide Area Network System.
4. Design, Implement and Configure Network Security and Routers.
5. Design and Implement Voice over IP solution

Saved on 12 July 2011