

Liverpool John Moores University

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Title: COMPUTER AND NETWORK CONFIGURATION
Status: Definitive
Code: **5516TECYPC** (120603)
Version Start Date: 01-08-2016
Owning School/Faculty: Electronics and Electrical Engineering
Teaching School/Faculty: YPC International College (Kolej Antarabangsa YPC)

Team	Leader
Paul Otterson	Y

Academic Level: FHEQ5 **Credit Value:** 24 **Total Delivered Hours:** 72
Total Learning Hours: 240 **Private Study:** 168

Delivery Options

Course typically offered: Standard Year Long

Component	Contact Hours
Lecture	24
Practical	48

Grading Basis: 40 %

Assessment Details

Category	Short Description	Description	Weighting (%)	Exam Duration
Practice	AS1	practical - network build and configuration - must be passed to pass module	30	
Test	AS2	Class test - computer network theory	30	
Report	AS3	Report – Case Study – technical requirements analysis	40	

Aims

To give an explanation and practical grounding, in the construction and configuration

of simple computer hardware, peripherals and networks.

Learning Outcomes

After completing the module the student should be able to:

- 1 Recognise and construct component parts of a typical computer system.
- 2 Load and configure a typical Windows Operating System, and attach a range of peripherals including legacy devices.
- 3 Create a simple peer to peer network using Direct Cable Connection
- 4 Create a simple Ethernet Network
- 5 Demonstrate a basic theoretical and practical knowledge of hardware and operating system software, its administration and technical requirements
- 6 Demonstrate a basic theoretical and practical Networking, its basic administration and technical requirements.

Learning Outcomes of Assessments

The assessment item list is assessed via the learning outcomes listed:

practical	1	2	3	4
Class test	5	6		
Case Study	5	6		

Outline Syllabus

Processors and memory

Data handling : storage and communication

Hardware configuration

Peripheral selection and connection.

Comparative Operating Systems and O/S basics

OSI model basics

Network basics : Topologies, Network Connections, Ethernet and the TCP/IP

Protocol suite

Win 2000+ server (and professional) overview

Active directory and account management basics

File and Print management basics

Learning Activities

Taught theory and Practical

Notes

This module provides a basic introduction to hardware and software configuration and maintenance. It provides a fundamental practical knowledge of computer systems, and networks.