

Module Title:	PC Environment & Peripherals
Module ID:	CAP 322
Prerequisite:	CAP 223
Level:	5
Credit Hours:	3 (2+2+0)

Module Description:

The objective of the course is to provide an introduction to basic computer maintenance, general PC repair and system hardware upgrades (in accordance with all industry safety standards) . Students are required to disassemble then reassemble a PC. The course starts with an overview of basic PC components and various operating systems diagnostic tools. The course then covers PC maintenance including repairing and upgrading assorted hardware such as hard drives, CD-ROM drives, memory chips, CPUs , modems ,and printers. Other topics covered include common preventive maintenance practices, electrical power, and environmental concerns.

Module Aims:

The aim of this course is to introduce basic computer maintenance, general PC repair and system hardware.

Learning Outcomes:

- Perform installation, configuration, and upgrading of various peripheral devices.
- Diagnose and troubleshoot problems with microcomputer peripherals.
- Document repair and troubleshooting steps according to industry best practice
- Perform installation, configuration, and upgrading of various peripheral devices.
- Specific terminology, facts, ways and means of dealing with classifications, categories and principles of motherboards, processors, and memory in microcomputer systems.

- Diagnosing and troubleshooting common module problems and system malfunctions. This includes knowledge of the symptoms relating to common problems

Textbook:

- Meyers, M. A+ Certification All-in –one , Third Edition.
- Mueller, Scott, Upgrading and Repairing PCs , Thirteenth Edition.
- Andrews, Jean , A+ a Guide to Managing and Maintaining Your PC, Third Edition,