

## **PE & EDC310 (Education Media Technology)**

**Introduction to computer hardware**, inputs and outputs devices, CPU. Storage media (particularly diskettes). Use of equipment, monitor controls and keyboard practices.

**Types of software**, operating system, utilities, programming languages, word processors, spreadsheets, databases.

Introduction to the following using **common software packages** of your choice:-

Word processing – use of a word processor in writing, sorting and modifying documents.

Spread sheet – use of spread sheet in tabulating and calculating data. Database - Creation of simple database files.

**Introduction to programming** languages, basic turbo Pascal, C++ etc, constants and variables, declaration statements, input and output. Statements, remarks, assignment statement, implementing a programme (command used). Editing a programme, correction of errors, application to simple problems, problem analysis, flowcharts, Pseudo code, decision statements solutions of a quadratic equation, solutions of Hero's formulae, formatting output i.e. print table, loop control statement, counter forming a sum,

**Media technology** - Types of media; introduction, visual materials, aural materials, audio-visual materials, multi-media non projected aids: definition, types, the chalk board, designing procedures, displays, charts, models, pictures, limitations. Projected aids: definition, types, operations, transparencies and software slides. Graphology : Chalkboard writing, letter printing, colourings and selection, template and stylus usage, . Audio visual aids. CD/VCD/DVD players. Video cassette recorders (VCR), educational television broadcasting (DSTV, ZNBC etc) Information Communication Technology ( ICT) in classroom.