



Code	Subject Title	Cr. Hrs	Semester
IT-101	Introduction to Computing	3	I
Year	Discipline		
1	Information Technology		

Objectives

In today's information age, computers are used in almost each and every aspect of human life: from cell phones to cruise missiles, from disease diagnostics to design of space ships, etc. Objective of this course is to get a breadth-first overview of computing and information technology, and to make students productive with widely used software applications and the World-Wide Web (WWW). The following topics will be covered in the course: The Information Age, Computer Hardware, Introduction to Internet Explorer, Software, Central Processing Unit, Introduction to Microsoft Office, Input & Output, Storage & Multimedia, Microsoft Word, Computer Networks, The Internet, Spreadsheets & Business Graphics, Programming Languages, Software Engineering, Management Information Systems, Artificial Intelligence, Microsoft Excel, Database Management Systems, Microsoft Access, Microsoft Power Point, Introduction to Web Development, Introduction to HTML, Images & Links, Lists and Tables, Forms, Maps and Frames, Introduction to Microsoft FrontPage, Introduction to JavaScript, E-commerce, Security, Privacy and Cyber-Ethics, Introduction to Programming, Algorithms & Flowcharts, Variables & Data Types, Operators & Precedence, Conditional Statements, Loops, Functions, Arrays, HTML Tabular Data Control, New hardware/software technologies.

Prerequisites

None

Text Book

Capron, *Computers – Tools for an Information Age*, Sixth Edition, Prentice Hall, ISBN-10: 0131405640

Deitel, *Internet & World Wide Web – How to Program*, Prentice Hall, ISBN-10: 0131405640

Reference Books

- Brookshear; *Computer Science – An Overview*; Addison-Wesley, ISBN-10: 0201781301
- Sanders; *Computers Today*; McGraw Hill, ISBN 9780070547018