



Bangladesh Army University of Science and Technology (BAUST)

Department of Computer Science & Engineering

BBA 1204 Fundamentals of Computer Science and Engineering Subject Outline

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|---------------|---|---|
| Code Number | : | BBA 1204 |
| Name | : | Computer Fundamentals |
| Course Name | : | Bachelor of Business Administration (BBA) |
| Stage | : | Level-1, Term -II |
| Duration | : | Four hours per week for a Term (14 weeks) |
| Prerequisites | : | |
| Credit Points | : | 4.0 |

Subject Introduction:

The overall purpose of this course is to prepare students to integrate computers and computing techniques within their business degree programs. The goal is for students to develop competence in the use of microcomputers and business productivity software through extensive hands-on laboratory work. The first component of the course introduces students to the personal and business uses of microcomputers. Some of the major concepts and applications of computing include an overview of computerized productivity tools for word processing, spreadsheets, and database management. The second component of the course focuses on the use of system software and application software and the role of computers in database management systems and management information systems.

Course Objectives:

The objective of the course is to familiarize students with the Fundamentals of Computer Science and Engineering.

Course Outcomes:

At the completion of this course the student will be able to:

1. Understand and firm grasp of the basic term of Computer components, Network, Security issues, System Development, Windows.
2. Understand the importance of using different software in practical life.
3. Enhance their problem solving skills.

Teaching Methods:

Lectures 56 hrs at a term within 14 weeks

Assessment:

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|-------------------------|-----|
| Continuous Assessment: | 30% |
| Observation: | 5% |
| Attendance: | 5% |
| Assignment /Class Test: | 20% |
| Written Examination: | 70% |

Text books:

1. Computer Fundamentals by Dr. M. Lutfar Rahman & Dr. M. Alamgir Hossain

Reference Books:

1. Introduction to Computer by Peter Norton

Convener

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CLASS SCHEDULE (Tentative)

| Week | Topics to be taught | Remarks |
|-------------------------|---|---------|
| 01 | <ul style="list-style-type: none">Introduction to Studying Computers, History and development of Computers, Generation of Computers, Types of Computers ,Impact of Computers on Society | |
| 02 | <ul style="list-style-type: none">Number Systems: Radix, Bases of number systems, converting different type number systems | |
| 03 | <ul style="list-style-type: none">Computer Hardware and Peripherals: Basic Units of Computer Hardware, Keyboard, Mouse and Different types of Monitors | |
| 04 | <ul style="list-style-type: none">Different parts of system unit, Block diagram of computer organization | CT 1 |
| 05 | <ul style="list-style-type: none">Memory: Primary and secondary memory/volatile vs. non-volatile memory, Functions of RAM, ROM and Cache memory | |
| 06 | <ul style="list-style-type: none">Software: Classifications, Application software, System software | CT 2 |
| 07 | <ul style="list-style-type: none">Operating system concepts and importance, components and basic functions of DOS, Windows | |
| Mid Term Break (1 week) | | |
| 08 | <ul style="list-style-type: none">Function of System Analyst and Database Administrator | |
| 09 | <ul style="list-style-type: none">Application software's, MS-OFFICE: MS-Word, MS Excel, MS Power Point etc | CT 3 |
| 10 | <ul style="list-style-type: none">Application software's, MS-OFFICE: MS-Word, MS Excel, MS Power Point etc | |
| 11 | <ul style="list-style-type: none">Utility programs, Computer Virus | CT 4 |
| 12 | <ul style="list-style-type: none">Applications: Computer networks and its goals, Basic concept on LAN, MAN, WAN | |
| 13 | <ul style="list-style-type: none">Internet systems, Internet services, E-mail, www, E-Commerce, IT concepts, its applications and Information processing cycle | CT 5 |
| 14 | <ul style="list-style-type: none">Review Classes | |

Finally

While this subject is demanding (read “hard”) it is also fun. If you find that you don’t get some kind of a buzz from doing at least some of these problems then perhaps you should review your career choice. You might be happier in some less demanding course.