

Fundamentals of Computers and Computing

CSE 1101

(Computer Basics)

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Lecturer

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Performance Evaluation

- Class Attendance 10%
 - Midterm Examination 30%
 - Final Examination 60%
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- **Total 100%**



Grading System

Numerical Grade	Letter Grade	Grade Point
80 % and above	A+ (A Plus)	4.00
75% to less than 80 %	A (A Regular)	3.75
70 % to less than 75%	A- (A Minus)	3.50
65% to less than 70%	B+ (B Plus)	3.25
60% to less than 65%	B (B Regular)	3.00
55% to less than 60%	B- (B Minus)	2.75
50% to less than 55%	C+ (C Plus)	2.50
45% to less than 50%	C (C Regular)	2.25
40% to less than	D	2.00

The CGPA

Student's performance will be evaluated on the basis of-

- Grade Point Average (GPA)
- Cumulative Grade Point Average (CGPA) of total completed courses.

$$\text{CGPA} = \frac{\sum (\text{GradePoint } s \times \text{Credits})}{\sum \text{Credits}}$$



The CGPA (cont.)

Course Code	Course Title	Credit Hours (Theory + Lab)	GP
ENG-111	English Foundation I	2 + 0	3.75
MAT-111	Differential and Integral Calculus	3 + 0	4.00
PHY-111	Physics I	3 + 0	3.50
PHY-112	Physics I Lab	0 + 1	4.00
CSE-111	Computer Fundamental	2 + 0	4.00
CSE-112	Computer Application Lab	0 + 1	4.00
	Total (12)	10 + 2	23.25

$$\text{CGPA} = \frac{3.75 * 2 + 4.00 * 3 + 3.50 * 3 + 4.00 * 1 + 4.00 * 2 + 4.00 * 1}{2 + 3 + 3 + 1 + 2 + 1}$$
$$= 3.83$$



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Let Start CSE-1101!!!



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Reference Books

- Text:
 - Introduction to Computers – Peter Norton
 - Computer Fundamentals – Dr. Lutfor Rahman
- Reference:
 - None!



Computer Basics

- Computer = ~ is an electronic device that stores, retrieves and processes data, converting data into information that is useful to people.
- Program = a computer program is a sequence of instructions that a computer can execute.



Application of Computer

- Communication
- Education
- Small Business
- Industry
- Government
- Health Care
- Entertainment



Limitation of Computers

- Computer can not think
- Computer can not do anything without human instruction
- Computers can not make any adjustment as human being can do



Use of Computer

- **Volume of data**- suited to handling large volume of data
- **Accuracy**- ensure high degree of accuracy and their consistency is reliable
- **Repetitiveness**- processing cycle that repeat time to time
- **Complexity**- performs complex calculation
- **Speed**- provide high speed
- **Common data**- One item of data can be use for different computer procedure

