

Course Title:	<i>Computing Fundamentals</i>
Course Code:	CSC 110
Credit Hours Theory:	Two (2)
Credit Hours Lab (If Applicable):	1
Instructor Name with Qualification:	Bilal Ashraf Awan, MS, BE
Course Objectives:	This course provides introduction to computer components, hardware, operating system, number systems, system software and the common application software.
Course Learning Outcomes:	<p>Professional and reflective practitioner skills</p> <ol style="list-style-type: none"> 1. Students learn about the working of a modern digital computer. 2. Students learn about various components of a digital computer and how they contribute towards a computer system. <p>Practical skills</p> <ol style="list-style-type: none"> 3. Students learn to use personal computers for basic purposes like word processing, spread sheet, presentation, emails and the Internet. <p>Cognitive skills</p> <ol style="list-style-type: none"> 4. Students should be able understand the relationships between various components of a digital computer.
Contents (Catalog Description):	This course covers binary number systems, basic machine architecture, memory, CPU, I/O devices, OS, application packages, and the Internet.
Recommended Text Books:	<ul style="list-style-type: none"> • Larry Long and Nancy Long ,“Computers: Information Technology in Perspective” , 9/E • Schneider and Gersting, “An Invitation to Computer Science”, Brooks/Cole Thomson Learning
Reference Books:	<ul style="list-style-type: none"> • Sherer ,”Computer Science: An overview of Computer Science” • Peter Norton,“Introduction to Computers “ , 6th Ed. • ITL Education Solutions ,“Introduction to Information Technology”
Helping Web Sites:	

General Instructions for students:

Home Works and Assignments

Attendance is mandatory. Every class is important. All deadlines are hard. Under normal circumstances late work will not be accepted. Students are required to take all the tests. No make-up tests will be given under normal circumstances. Any form of cheating on exams/assignments/quizzes is subject to serious penalty

Attendance

75% attendance is mandatory. Latecomers will be marked as absent.

Evaluation Criteria

Assignments/projects	20%
Quizzes	10%
Mid-Term	20%
Final	50%

Quizzes Schedule

Quiz # 1	Week # 4
Quiz # 2	Week # 7
Quiz # 3	Week # 11
Quiz # 4	Week # 14

Assignments Schedule

Assignment	Delivery date	Submission Date
Assignment # 1	Week # 2	Week # 4
Assignment # 2	Week # 5	Week # 6
Assignment # 3	Week # 9	Week # 10
Assignment # 4	Week #11	Week #12

Sixteen Week Lesson Plan

Week #	Topic Planned
1	Number system
2	Number system
3	History of Computer Systems
4	Basic Machine Architecture
5	IO Devices
6	IO Devices
7	Von Neumann Architecture
8	Overview of Operating Systems, Disk Operating Systems
9	Introduction to Information Technology
10	Introduction to Information Technology
11	Application Software and System Software

