



DEPARTMENT OF COMPUTER SYSTEMS ENGINEERING,
UNIVERSITY OF ENGINEERING AND TECHNOLOGY,
PESHAWAR.

COURSE DESCRIPTION

Course Code: CSE-102

Course Title: Computer Programming

Credit Hours: 3

Course Objective:

The Computer is a truly amazing machine. Few tools can help you perform so many different tasks. Whether you want to track investment, publish a newsletter, design a building, or practice landing F16 on the deck of an aircraft carrier, you can use a computer to do it. Equally amazing is the fact that the computer has taken on a role in nearly every aspect of our lives. Therefore in this course, we will not only cover the fundamentals of computer programming and will try to build useful computer applications, which can automate the real physical systems.

Course Group Address:

<https://classroom.google.com/u/0/c/NjE1NzM1NTU0MTda>

Class Code: n6ep54h

Instructor Name: Dr. Muhammad Athar Javed Sethi

Email Address: atharsethi@gmail.com (For appointments/meetings)

Office: FYP Lab offices

Text and Reference Books:

1. How to Program C++
By:
Dietel & Dietel
2. Object-Oriented Programming in C++
By:
Robert Lafore

Grading Policy:

Sessional Work	20%
Mid Term Examination	20%
Final Term Examination	60%

***COURSE CONTENTS**

Week	Contents
1	Introduction to Computers and C++ Programming
2	Variables & Operators
3	Decision Making
4	Loops
5	Arrays & Strings
6	Functions
7	Built-In Functions
8	Revision
Midterm Exam	
9	Sorting arrays
10	Recursion
11	Structures
12	Pointers
13	Problem Solving using Flow Charts and Pseudo Code
14	Files Handling
15	Exception Handling
16	Objects and Classes and Introduction to Object-Oriented Programming Concepts
Finalterm Exam	

***Note:**

Topics, Lectures can be shifted, changed or shuffled according to the instructor directions or course needs.