

Course Syllabus: CSE101

Introduction to Computer Science

Course Information

Course Code:	CSE101
Course Title:	Introduction to Computer Science
Credits:	4
Year:	Year 1
Semester:	Semester 1
Department:	Computer Science and Engineering
Institution:	University of Dhaka

Course Description

This course introduces fundamental concepts of computer science including algorithms, programming, and computer organization. Students will learn basic problem-solving techniques and develop simple programs.

Learning Objectives

- Understand core concepts and principles related to the subject matter
- Develop practical skills in applying theoretical knowledge
- Analyze and solve complex problems in the field
- Communicate ideas and solutions effectively
- Work collaboratively in team-based projects

Course Topics

1. Computer Systems Overview
2. Introduction to Programming
3. Data Representation
4. Basic Algorithms
5. Problem Solving Techniques

Assessment

Component	Weight
Midterm Examination	30%
Final Examination	40%
Assignments	15%
Lab Work	10%
Attendance	5%

Recommended Textbooks

- Introduction to Computer Science using Python by Charles Dierbach
- Computer Science: An Overview by Glenn Brookshear