

# Course Syllabus: CSE307

## Operating Systems

### Course Information

Course Code:	CSE307
Course Title:	Operating Systems
Credits:	3
Year:	Year 3
Semester:	Semester 1
Department:	Computer Science and Engineering
Institution:	University of Dhaka

### Course Description

This course explores the principles and design of operating systems. Topics include process management, memory management, file systems, and security considerations.

### 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. Process Management
2. Memory Management
3. File Systems
4. I/O Systems
5. Virtualization

## Assessment

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

## Recommended Textbooks

- Operating System Concepts by Silberschatz, Galvin, and Gagne
- Modern Operating Systems by Andrew S. Tanenbaum