

Computer Networks

Lecture 1 : Introduction

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Course Overview

■ Level

- Undergrad students CSE 4th year student

■ Course

- Code : CSE 4111
- Computer Networks (Theory)
- Credit : 03

■ Course Objectives

- Learn basic concepts of computer networking
- Learn the internals of network architecture and data communication mechanism

Evaluation

- Class Tests : 30%
- Final Exam : 60%
- Class Attendance : 10%

- You will not be able to participate in the final exam if you miss (more than) $1/2$ of the whole classes

Course Information

- Lecture Time & Place
 - Follow routine and CR updates

- Professor Information
 - Office : **1217**
 - Email : **kazi@cseku.ac.bd**
 - Office Tel : **01711149360**
 - Office Hour : **Sunday, 11:40am-12:30pm**

Announcement

■ Class Website

- <http://cseku.ac.bd/faculty/~kazi/>
- Class information such as lecture notes are accessible through this website

■ Network Lab Assignments

- Form a group of 4 students
- We encourage you to discuss the assignment programs.
- **However, every group must do programming THEMSELVES.**
- You must not share any of source code with other students.
- **Any kind of academic dishonesty will be taken seriously.**

Schedule

1	Data Communications and Networks Overview
2	Protocol Architecture
3	Data Transmission
	Class Test 1
4	Transmission Media
5	Signal Encoding Techniques
7	Digital Data Communications Techniques
	Class Test 2

Schedule

8	Data Link Control Protocols
9	Multiplexing
10	Local Area Networks
11	Internet Protocols
	Class Test 3
12	Routing Protocols

Text Book

- Recommended Reference
 - **“Data and Computer Communications”, William Stallings,**
 - **“Computer Networks”, Andrew s. Tanenbaum**

Class Formats

- Lecture on Computer Networks
 - Powerpoint slides
 - We will have lots of questions and discussions
- Behavioral Attention
 - I shall accept students upto 5 minutes once I start my class
 - Side talks, mobile, and laptop none of them allowed. You will be shown out of the class

Test Formats

■ Class Test

- 3 Tests
- 30 Marks

■ LAB

- 3 Lab Assignments
 - 60 Marks
- Viva
 - 30 Marks
- Attendance
 - 10 Marks