

## COURSE OUTLINE

**Course Code:** CSE 322

**Course Title:** Computer Networks Sessional

**Level/Term:** 3/2

**Section:** A & B

**Academic Session:** 2017-2018

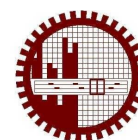
**Course Teacher(s):**

Name:	Office/Room:	E-mail and Telephone:
Dr. Mahmuda Naznin		
Dr. Md. Shohrab Hossain		
Tanveer Awal		
Khaled Mahmud Shahriar		
Md. Ishat - E - Rabban		
Md. Tarikul Islam Papon		
Chowdhury Rakin Haider		
T. M. Tariq Adnan		
Shadman Saqib Eusuf		

### Course Outline:

Laboratory works based on CSE 321.

### Learning Outcomes/Objectives:



After undergoing this course, students should be able to:

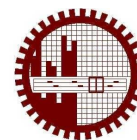
- Understand, analyze, simulate, and present architectures of different types of computer networks.
- Design, analyze, develop, and present contemporary and new protocols of computer networks.
- Identify applications of computer networks with determining suitable alternatives of the networks.

**Text and Reference books:**

- Computer Networking: A Top-Down Approach by James F. Kurose, Keith W. Ross (6th Edition)
- Computer Networks by Andrew S. Tanenbaum (4<sup>th</sup>/ 5<sup>th</sup> edition)

**Weekly schedule:**

Week	Topics	Teacher's Initial
Week 1	Demonstration on Socket Programming and assignment	
Week 2	<ul style="list-style-type: none"> <li>Network related commands</li> <li>Demonstration on Wireshark</li> <li>In class evaluation</li> </ul>	
Week 3	Assessment of Socket programming assignment	
Week 4	Assignment on routing protocol	
Week 5	Demonstration on Packet Tracer	
Week 6	Online on Packet Tracer	
Week 7	Assessment of routing protocol assignment	
Week 8	Demonstration on NS2/NS3 and assignment	
Mid Term Break		
Week 9	Lecture on reliable protocol implementation (TCP) and assignment	
Week 10	Assessment of NS2/NS3 assignment	
Week 11	Assessment of TCP assignment	
Week 12	Lecture on network management and other aspects	
Week 13	Online on physical layer	
Week 14	Quiz	



Prepared by :	
All the instructors	