



UNITED INTERNATIONAL UNIVERSITY

COURSE SYLLABUS

1	School	School of Science and Engineering (SOSE)			
2	Department / Centre	Computer Science and Engineering			
3	Programme	CSE			
4	Name of Course	Computer Networks Lab			
5	Course Code	CSE 324			
6	Trimester and Year	Fall 2017			
7	Pre-requisites	Structured Programming Language Lab (CSI 122)			
8	Status	Elective Course			
9	Credit Hours	1			
10	Section	D			
11	Class Hours	Sunday: 11:20 AM – 02-00 PM (Sec D)			
12	Class Location	Computer Lab # 4			
13	Course website	www.elms.uiu.ac.bd			
14	Name (s) of Academic staff / Instructor(s)	Mohammad Mamun Elahi (MME) & Azim Uddin Chowdhury			
15	Contact	mmelahi@cse.uiu.ac.bd , azim.cy@gmail.com			
16	Office	Room # 522 (5 th Floor, glassroom on the right of the elevator/lift), Main Campus			
17	Counselling Hours	Sunday, Monday & Wednesday		3 PM - 5 PM	
		Thursday		2 PM - 4 PM	
18	Text Book	None. Materials will be provided in the lab.			
19	Reference	None.			
20	Equipment & Aids	None.			
21	Course Rationale	This course is required for the students to provide them with a practical base in computer network issues and network applications using the existing protocols and architectures.			
22	Topic Outline				
	Lab	Topics/Assignments	LOs	Reading Reference	Activities
	1	Introduction to Network Lab, Understanding TCP-IP	3	Lab sheet	Q/A, Lab Experiment, Assignment
	2	IP Addressing and Subnetting, Introduction to Packet Tracer, OSI vs. TCP/IP layering models, Building a single-segment Network using PT	1, 2, 3	Lab sheet	Quiz 1, Lab Experiment, Assignment

	3	Basic Router Configuration	1	Lab sheet	Quiz 2, Lab Experiment, Assignment
	4	Internetworking: Static and Default Routing / Term Project Assignment	4, 6	Lab sheet	Quiz 3, Lab Experiment, Assignment
	5	Dynamic Routing (RIP/OSPF) & Dynamic Host Configuration Protocol (DHCP)	4, 6	Lab sheet	Quiz 4, Lab Experiment, Assignment
	6	Midterm Exam			Written Quiz, Practical
	7	Extending Networks – Building a Wireless LAN (Wi-Fi)	4	Lab sheet	Lab Experiment, Assignment
	8	Virtual Lan (VLAN) & Inter-VLAN Routing	4, 6	Lab sheet	Quiz 5, Lab Experiment, Assignment
	9	Packet-level Firewalls – Access Control Lists (ACLs)	5	Lab sheet	Quiz 6, Lab Experiment
	10	Network Address Translation (NAT) – Connecting to an ISP (Internet)	4, 6	Lab sheet	Quiz 7, Lab Experiment
	11	Term Project Presentation / Demonstration	7		
	12	Final Exam			Written Quiz, Practical
23	Assessment Methods		Assessment Types		Marks
			Attendance		10%
			Lab assignments & Quizzes		20%
			Mid Term		30%
			Final		30%
			Term project		10%
24	Additional Course Policies	a. Class Attendance and Participation: Class attendance is mandatory (at 80% of classes) to qualify for grading as per university policy. But I will grade you on the basis of your in time presence. So after taking attendance of the class (usually in the beginning of the class), there will be no provision for recording attendance. b. Examination: There is NO provision for make-up of missed labs and quizzes. Expect quiz on completion of each topic. c. Assignment and Term Project: Failure to submit the Assignments, Term Paper on the due date will result in 50% deduction from the possible score. d. Counseling: You are expected to follow the counseling time-table.			
25	Additional Information	a. Academic Calendar Fall 2017: http://www.uiu.ac.bd/academic/calendar/ b. Academic Information and Policies: http://www.uiu.ac.bd/academic/academic-information-policies/ c. Grading and Performance Evaluation: http://www.uiu.ac.bd/academic/grading-performance-evaluation/ d. Proctorial Rules http://www.uiu.ac.bd/academic/1192-2/			