

Data Communications and Networking

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OFFICE HOURS:

MON and WED 11:10 am - 12:00 pm In Canvas Chat, Messaging System and Synchronous Discussions

SLOs

1 Describe the various components, protocols, architectures, and applications of current communication and networking technologies, which are used in LANs, WANs, and the Internet

2 Define the basic properties of the TCP/IP, local area, wide area, and fiber optic networks.

Course Description Objectives

- Identify protocols and standards in the Internet
- Describe TCP/IP protocol suite
- Understand Internet addressing
- Define subnetting and supernetting
- Explore routing and delivery of packets
- View error reporting and query mechanism in the Internet
- Learn about broadcasting mechanism in the Internet
- Describe routing protocols in the Internet

Text required:

Data Communications and Networking 5th Edition, By Behrouz Forouzan
ISBN13: 9780073376226
ISBN10: 0073376221

Attendance policy: This 4 Units course consists of 48 lecture hours in the quarter. You should plan on spending approximately another 10 hours per week doing homework problems, solving additional problems from the book assignments, and understanding the theory.

Once enrolled, if you wish to drop the class, it is *your responsibility to drop the class before the deadline in the Schedule of Classes*. Five absences will constitute reason to be dropped from this course. You need to complete all the assignments, discussions and tests every week. Since there is at least one activity to complete every week of the quarter, non-completion results in being counted absent. Absence in the first week of the courses will result in a drop for non-attendance.

Scholarly conduct: Extra credit assignments may occasionally be given throughout the course. You are expected to do your own work. In programming classes, students often confer with one another on approaches to solving the problem: however, your solutions to lab problems must

represent your own individual work. Any copied solutions will result in a zero grade for both parties. Copying or cheating during a test will result in a zero being assigned for that test grade.

Homework Exercises: 6 Homework assignments will need to be uploaded into Canvas. The purpose of the homework is to help clarify the material for you as we proceed and to prepare you for the quizzes, and final exam, therefore, you are strongly encouraged to do these.

WORK COMPLETED The work you submit will be turned in on time. See the Student Handbook for work that can be accepted late. The policy in this course is no late work. It is also your responsibility to check the grades and notify me if you think there is any error within 1 week for the due date for the assignment.

Disability Services De Anza College makes reasonable accommodations for persons with documented disabilities. Students should notify the Disability Support Services (DSS) Program at (408) 864 – 8753 of any special needs.

Tests: There will be six quizzes (lowest is dropped) a midterm and a comprehensive final. The quizzes will occur weekly in Canvas. The midterm and final will be also in Canvas.

Grading: 400 points are available. Your grade is based on the percentage you earn; however, if you fail the final exam, your final grade will be lowered by one letter grade.

Quizzes	: 6 at 20pts	100 pts
Homework assignments:	6 at 10 or 20 pts	100 pts
Midterm exam	: 1 at 100 pts	100 pts
Final exam	: 1 at 200 pts	200 pts
		500 pts
	<u>Total</u>	500 pts

GRADES

	B+ = 87-89%	C+ = 77-79%	D+ = 67-69%	F = 0-59%
A = 93-100%	B = 83-86%	C = 70-76%	D = 63-66%	
A- = 90 – 92%	B- = 80-82%		D- = 60-62%	

Important – Catalyst dates are the ones that will be followed

This is just a rough schedule to give you an idea of the pace of the course

CANVAS is the syllabus.

		Monday	Tuesday	Wednesday	Thursday
Week 1 and 2	Reading list in Catalyst		Quiz 1 (chapter 1)	<u>Due:</u> HW 1	
Week 3 and 4	Reading list in Catalyst		Quiz 2 (ch. 2 and ch. 3) Quiz 3 (chapter 4)	<u>Due:</u> HW 2	
Week 5 and 6	Reading list in Catalyst		MIDTERM ONLINE (ch. 5)		
Week 7 and 8	Reading list in Catalyst		Quiz 4 (ch. 7)	<u>Due:</u> HW 3	
Week 9 and 10	Reading list in Catalyst		Quiz 5 (ch. 9) Quiz 6 (ch. 10,11)	<u>Due:</u> HW 4 HW 5	
Week 11 and FINALs	Check the college calendar	FINAL ONLINE (Ch. 1-12)			

**Please check assignments in detail on Canvas. Turn in all work only on Canvas.
Canvas is used for both regular classroom as well as ONLINE and Hybrid courses.**