

DE ANZA COLLEGE

CIS-67A-63Z- Local Area Networks
Syllabus**Instructor:** Spera Georgiou

CATALYST is the Actual Syllabus. Please, only use Catalyst as a guide. This syllabus is just a rough-estimate, the actual syllabus is the live Catalyst shell dedicated to our course. Only Catalyst is to be used after the first day of the quarter. Catalyst only will contain exact assignments and due for everything.

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SLOs

1 Define fundamental concepts of local area networks (LANs) architecture and protocols with emphasis on the first two layers, physical and data link layer, of the OSI model.

2 Design a local-area network.

Class meetings: ONLINE at catalyst.deanza.edu

Office HRS: M – TH 11:00 – 11:30 in classroom-labs & T/TH, 1:20 – 2:00PM online

Course Description: Fundamental concepts of Local Area Network architecture and protocols. Emphasis on basic concepts needed to design, configure, and implement Local Area Networks. Emphasis on the evolution of Fast Traditional Ethernet, Fast Ethernet, Gigabit Ethernet, Ten-Gigabit Ethernet, ATM, and wireless LANs.

Text required: *A Guide to Designing and Implementing Local And Wide Area Networks* by Palmer/Sinclair. SECOND EDITION ISBN-10:061912122X, ISBN-13:9780619121228

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.

If you wish to drop the class, it is your responsibility to do so. An unauthorized withdrawal from class without following official procedures will result in your being assigned a grade of "F" (or "NC" if you have selected the Credit /No Credit option).

Scholarly conduct: Extra credit assignments may occasionally be given throughout the course. Worthwhile contribution and regular attendance can positively affect the grades. 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: 9 Homework assignments will need to be uploaded into Catalyst. 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.

Tests: There will be nine quizzes (15 min.) a midterm and a comprehensive final. The quizzes will occur weekly on Catalyst. The final will be also on Catalyst.

Final Project : You will be given 3 project modules as assignments. These will build up as well as prepare you for the final deliverable, which is a small project. **You must turn in your final project assignment by the last day of classes into Catalyst.** Deductions will be given for incomplete assignments.

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	: 9 at 15	135 pts
Homework assignments	: 9 at 15	135 pts
Final Project	: 1 at 130	130 pts
Midterm exam	: 1 at 100	100 pts
Final exam	: 1 at 200 pts	200 pts
		700 pts
Total		700 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
CATALYST is the syllabus.

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

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