CIRCUITS B1 Sinusoidal Steady State "Electric Circuits," J. V			
Analysis ed., Prentice Hall, Cha	V. Nilsson & Susan A. Riedel,9 th pters 7 – 10. Dr. Lakdawala		
B2CIRCUITS Circuit Analysis with the Laplace Transform"Electric Circuits," J. V ed., Prentice Hall, Char	V. Nilsson & Susan A. Riedel,9 th Dr. Lakdawala pter 13.		
B3ELECTRONICS"Microelectronic Circu ed., Oxford Univ. Press Chapters: 2-5.	its," A. S. Sedra and K. C. Smith,5 th s, New York, 1998. Dr. Namkoong		
SYSTEMS, SIGNAL AND IMAGE PROCESSING			
C1 IMAGE PROCESSING "Digital Image Process Woods, 3 rd ed., Prentic	ing," R. C. Gonzalez and R. E. e Hall, 2007, Chapters 1 – 4. Dr. Chen		
C2 DIGITAL SIGNAL PROCESSING Discrete-Time System Analysis Cxford, 2005, Chapter	ignals," B. P. Lathi, 2 nd ed., s 3, 5. Dr. Li		
C3 DIGITAL SIGNAL PROCESSING "Linear Systems and S Sampling and Fourier Analysis of Discrete-Time Signals and Systems	ignals," B. P. Lathi, 2 nd ed., s 8, 9. Dr. Li		
C4 CONTROL SYSTEMS "Control Systems Engi Wiley, 2011, Chapters	neering," N. S. Nise, 6^{th} ed., 2 – 11, Secs. 12.1 – 12.2. Dr. González		
C5 COMMUNICATION SYSTEMS "Fundamentals of Com Proakis and M. Salehi, Chapters 1 – 7.	munication Systems," J. G. Pearson/Prentice-Hall, 2005. Dr. Popescu		
C6COMMUNICATION NETWORKSData Link La methods Sliding wind Multiple acca CSMA with Routing algo Vector, RIP, TCP congest• "Computer Network Hall, 5th Ed., 2011, 5.6, 6.2, 6.4, 6.5.• "Computer Network Hall, 5th Ed., 2011, 5.6, 6.2, 6.4, 6.5.• "Computer Network F. Kurose and K. W. 3–5.	Aver error detection and correction ow protocols ess protocols (Aloha variants, CD/CA) rithms (Link State, Distance OSPF) ion control s," A. S. Tanenbaum, Prentice Sections 3.1 – 3.4, 4.1 – 4.2, 5.1 – ing: A Top-Down Approach," J. Ross, 5th ed., 2010 Chapters 1,		

COMPUTER SYSTEMS

• Ch. 1. Microprocessor systems, microcontrollers and

F1 MICROPROCESSORS

CYBERSECURITY			
G1	COMPUTER NETWORKS AND SECURITY	"Computer Networking: A Top-Down Approach," J. F. Kurose and K. W. Ross, 8th ed., 2021, Chapters 7 and 8	Dr. Alsharif
G2	CYBER DEFENSE FUNDAMENTALS	"Introduction to Cryptography with Coding Theory", Wade Trappe and Lawrence C. Washington, Chapter 1-9	Dr. Wu
G3	CYBER PHYSICAL SYSTEM SECURITY	"Security in Computing", 5th edition, by Charles Pfleeger, Shari Lawrence Pfleeger, and Jonathan Margulies, Chapter 3-9	Dr. Wu
G4	FOUNDATIONS OF CYBERSECURITY	 Set-UID Programs, Buffer Overflow Attack and Format String Vulnerability. "Computer Security- A Hands-on Approach", Wenliang Du, 1st Edition, Chapters 1, 4 and 6 	Dr. Shetty
		E. A. Lee and S. A. Seshia, Introduction to Embedded Systems - A Cyber-Physical Systems Approach, Second Edition, by, MIT Press, 2017.	·
G5	SECURITY AND PRIVACY OF EMBEDDED SYSTEMS	Link to download pdf: https://ptolemy.berkeley.edu/books/leeseshia/	