

Under graduate Courses

Elektrik Devreleri /Circuits

Elektronik /Electronics

Elektromanyetik alan teorisi

Kontrol teorisi

Sinyaller ve Sistemler

Enerji Sistemleri

Sayısal Sistemler /Digital Systems

Nesne yönelimli programlama

Veri yapıları ve algoritma

İşletim sistemleri

Bilgisayar organizasyonu

Formal diller ve otomata teorisi

Bilgisayar ağları

Ağ Güvenliği

Yüksek Gerilim Tekniği

Elektomekanik Enerji Dönüşümü

Book / Chapters

Fundamentals of Electric Circuits, Charles K. Alexander, Matthew N. O. Sadiku, Mc-Graw Hill / Chapters: 7-8-9-10-11-14-16 /End of chapter questions/

Neaman, Microelectronics – Circuit Analysis and Design; Subjects: Diodes (DC-Analysis), BJT-Transistors and Amplifier Circuits (DC-Analysis), MOSFETs and Amplifier Circuits (DC-Analysis and Design), Small signal analysis of diodes, Small signal analysis of BJTs and AC amplifier circuits, Small signal analysis of MOSFETs and AC amplifier circuits, Frequency response of transistor circuits

Fundamentals of Engineering Electromagnetics, David K. Cheng, Chapters 1,2, 3,4 ,5, 6, 7 (vector calculus, static electric fields, steady electric currents, static magnetic fields, time-varying fields and Maxwell's equations, plane electromagnetic waves)

G.F. Franklin, J.D. Powell, A. Emami-Naeini, Feedback Control of Dynamic Systems, Prentice-Hall, 2014 / Chapters: 1,2,3,4,7

Signals & Systems, Oppenheim, Wilsky with Nawab, 2nd edition, Chapters 1,2,3,4,5 and 7

Power system analysis, John Grainger and William Stevenson/Chapters 9-10-11-12

Logic and Computer Design Fundamentals, M. M. Mano and C. R. Kime, Pearson, 4th ed / Chapters 1,2,3,4,5

"Java How to Program," Deitel, P. and Deitel, H., 10th Edition, Prentice Hall, 2014. How to Think Like a Computer Scientist JAVA Programming, Allen B. Downey.

Data Structures and Algorithms in Java Michael T. Goodrich; Roberto Tamassia; Michael H. Goldwasser

"Operating System Concepts", A. Silberschatz, P. Galvin, G. Gagne, 10th edition, Wiley, 2018. / Chapters 3, 4, 5, 8

Computer Organization and Design Patterson&Hennessy/Chapter 1,2,3,4,5,6,7

.../Introduction to the Theory of Computation M.Sipser/Chapter 1,2,3,4,5,6

Computer Networking: A Top-Down Approach, 8th Edition

Kurose and Ross, Pearson, 2020. Chapters 1,2,3,4,5,6,7

"Cryptography and Network Security: Principles and Practice, 7th Edition. William Stallings Chapters 4, 6, 9, 14, 18"

High Voltage Engineering Fundamentals, E. Kuffel, W.S. Zaengl, J. Kuffel, Chapters 1-7

High Voltage Engineering, W.S. Wadhwa, Chapters 1-6

Electric Machinery 7th Edition, Fitzgerald, Chapters 1 - 7, and 11

Principles of Electric Machines and Power Electronics 3rd Edition, P.C. Sen, Chapters 1-6