

ECE 352 Autumn Quarter 2004 Syllabus

Day	Date	Chapter	Pages in Book	Topic
W	9-22	Ch 8	358–363	Introduction to Laplace transforms
F	9-24	Ch 8	363–375	Properties of Laplace transform
M	9-27	Ch 8	375–394	Inverse LT, poles & zeros
W	9-29	Ch 8	394–407	LT & input/output of systems
F	10-1	Ch 8	408–421	Systems, transfer functions and block diagrams
M	10-4	Ch 9	435–443	Stability
W	10-6	Ch 9	443–459	Step responses
F	10-8	Ch 9	459–484	Frequency response & Bode plots
M	10-11	Ch 10	509–526	Introduction to control systems
W	10-13			Review
F	10-15			Midterm 1, Location to be announced
M	10-18	Ch 10	509–526	Introduction to control systems, continued
W	10-20	Ch 11	555–570	Introduction to Z-transforms
F	10-22	Ch 11	555–570	Properties of Z-transforms
M	10-25	Ch 11	571–581	Inverse Z-transforms
W	10-27	Ch 11	581–593	ZT and transfer functions
F	10-29	Ch 11	593–597	Stability of discrete time systems
M	11-1	Ch 11	597–600	Frequency response of discrete time systems
W	11-3	Ch 12	613–617	Introduction to digital filters
F	11-5	Ch 12	618–630	Design of IIR filters
M	11-8	App. B	708–713	Linear Algebra Intro
W	11-10			Review
F	11-12			Midterm 2, Location to be announced
M	11-15	App. B	708–713	Linear Algebra Intro
W	11-17	Ch 13	655–667	More state variables, block diagrams
F	11-19	Ch 13	655–667	State variable representations (continuous)
M	11-22	Ch 13	667–676	Solution of CT state variables, discrete time state variables
W	11-24	Ch 13	667–682	Solution of CT state variables, discrete time state variables
F	11-26			Holiday: Columbus Day observed (no classes)
M	11-29	Ch 13	676–682	More DT state variables
W	12-1			To be announced
F	12-3			Review
				Students should refer to the Autumn 2004 Master Time Schedule for the Day & Time of the final exam