

Syllabus for ECE 4530

Lecture Topics

Week	Topic	Associated Reading
Aug. 24	first class, intro	Chapters 1&2
Aug. 31 HW1 due	Review Single Stage Amps/Lab 1a(due sept 11)	Chapter 3
Sept. 8	Review continued/Lab 1b (sept 25)	Chap. 4, 6.1, 6.2
Sept. 14 HW 2 due	CG freq. resp. & CD freq. resp	Chap. 6.3-6.5
Sept. 21	Exam & IC technology and Layout/Lab 2a	Chap. 17, 18.1,18.2
Sept. 28 HW3 due	Current Mirrors/Lab 2b	Chap. 5
Oct. 5	Differential Amps., Gain boosting	Chapter 6.6, 9.1, 9.2
Oct. 12 HW4 due	Fall break/Introduce Project (catch up time)/ Lab 3	
Oct. 19 Midterm	Single Stage Op-Amp	Chap. 9.1-9.3
Oct. 26	2 stage Op-Amp/Lab 4	Chap. 9.3-9.5
Nov. 2 HW5 due	Gain Boosting and Op-Amp CMF	Chap. 9.6 and TBA
Nov. 9	Op-Amps Continued	Chap. 9.7-9.9
Nov. 16	Stability and Compensation	Chapter 10
Nov. 23 HW 6 due	Noise (Thanksgiving)	Chap. 7, 9.10
Nov. 30 HW 7 due	Project Presentations	
Dec. ??	Final	