

EECE 281 Course Outline

Notes #	Topics	Chapters
	Material Throughout Course	Ch. 33: Electronics Terminology Appendix B: Those Student Questions Answered Appendix D: Glossary Appendix F: It's Greek To Me
1	Engineering Design	Ch. 2
	Modeling Processes	Ch. 1
	Precision in Engineering	Ch. 4
	Use of Units in Engineering	Notes Only
2	Introduction to ECE Department	Sect. 10.5 & 10.1
	Overview of EE & CoE	Sect. 10.5 & Ch. 5
		Additional Assignment: All of Ch. 10
3	Direct Current Fundamentals	Ch. 19
4	Alternating Current & Components	Ch. 20
5	Digital Logic	Ch. 22
6	Computer Architecture	Ch. 23
		Additional Assignment: Ch. 24
7	Semiconductors: Diodes & Transistors	Ch. 25
	Using Diodes in Power Supplies	Sect. 28.3
	CMOS Logic & Memory	Ch. 27
8	Bipolar Transistors	Ch. 28
	Operational Amplifiers (Op Amps)	Ch. 28
	Logarithmic Units & Decibels	Ch. 6
9	Signals, Systems, Communications	Ch. 31 - 32