

ASEN 3503: Aerospace Electronics

Wk	Monday Lecture AERO 120; 4:05 pm—4:55 pm	Tuesday	Wednesday Lecture AERO 120; 4:05 pm—4:55 pm	Friday Lab AERO 141, 12:50 & 3:00 pm
1				08/21: Lab 1 Course content overview and organization, lab groups, safety, toolkit, equipment
2	08/24: Topic 2 DC circuit components and analysis methods; measurement devices		08/26: Topic 2 cont.	08/28: Lab 2 DC Circuits, DMM, Oscilloscope
3	08/31: Topic 2 cont.		09/02: Topic 3 AC signals and circuits, capacitors, Laplace Transform In-class Quiz – Topic 2	09/04: Lab 3 AC signals and charging circuits
4	09/07: Labor Day - NO CLASS		09/09: Topic 3 cont.	09/11: Finish Lab 3 , Start Lab 4
5	09/14: Topic 4 Inductors, frequency domain, Fourier Transform, transfer function		09/16: Topic 4 cont. Online Quiz – Topic 3	09/18: Lab 4 Frequency domain and the spectrum analyzer
6	09/21: Topic 4 cont.		09/23: Topic 5 Power supplies, diodes, Zener diode, rectifiers, transformers, transistors In-class Quiz – Topic 4	09/25: Lab 5 Power supplies and voltage regulation
7	09/28: Exam 1 Review	09/29: Exam 1 Labs 1-4 5:30-7pm	09/30: Topic 5 cont.	10/02: Lab 5 cont.
8	10/05: Topic 5 Cont. Topic 6 Amplification, Op Amp, active filters, transfer function and frequency response		10/07: Topic 6 cont. Online Quiz – Topic 5	10/09: Lab 6 Active circuits and amplification
9	10/12: Topic 6 cont.		10/14: Topic 6 cont.	10/16: Lab 6 cont.
10	10/19: Topic 7 ADCs, DACs, and Microcontrollers		10/21: Practical Review Online Quiz – Topic 6	10/23: Practical Exam Labs 1-6
11	10/26: Topic 7 cont.		10/28: Topic 8 Computer Interfacing	10/30: Lab 7 Digital circuits, ADC, DAC, microcontrollers
12	11/02: Exam 2 Review	11/03: Exam 2 Labs 5-6 5:30-7pm	11/04: Topic 8 cont. Online Quiz – Topic 7	11/06: Lab 8 Serial asynchronous data communications
13	11/09: Topic 9 Digital Logic		11/11: Topic 9 cont. In-class Quiz – Topic 8	11/13: Lab 9 Digital logic circuits
14	11/16: Topic 9 cont.		11/18: Topic 9 cont.	11/20: Lab 9 cont.
15	11/23: Fall Break – NO CLASS		11/25: Fall Break – NO CLASS	11/27: Fall Break – NO CLASS
16	11/30: Topic 1-5 review		12/02: Topic 6-9 review Online Quiz – Topic 9	12/04: In lecture office hours (Monday schedule)
Final Exam Wednesday 12/9 4:30-7PM				