

Tentative Schedule – Spring 2019

Date	Topic(s)	Related Text Sections	Homework Problems Due at Beginning of Class
January 08	Introduction	1-2 to 1-4	–
January 10	Kirchhoff's Laws, Power Calculations	1-5, 2-2	–
January 15	Resistors, Ohm's Law and Passive Sign Convention	2-1, 2-3	–
January 17	Simple Circuits	3-4	001 – 004
January 22	Controlled/Dependent Sources	Class Notes	–
January 24	Nodal Analysis	3-2	005 – 009
January 29	Nodal Analysis (continued), Mesh Analysis	3-3	–
January 31	Mesh Analysis (continued)	3-3	010 – 014
February 05	LTspice & Computer-Aided DC Circuit Analysis	Class Notes	–
February 07	LTspice Examples	Class Notes	015 – 018
February 12	Review for Exam #1	–	–
February 14	Exam #1 [one-page notes, calculators allowed]	–	–
February 19	Review of Exam #1	–	–
February 21	Linearity and Superposition	3-5	019 – 022
February 26	Thévenin/Norton Theorems, Maximum Power Transfer	3-6, 3-8	–
February 28	Operational Amplifiers	4-1 to 4-3	023 – 026
March 05	Operational Amplifier Circuits	4-4 to 4-7	–
March 07	Analog Computers	Class Notes	027 – 030
March 12	Capacitors and Inductors	5-2, 5-3	–
March 14	Capacitors and Inductors (continued)	5-2, 5-3	031 – 035
March 19	*** Spring Break ***		
March 21	*** Spring Break ***		
March 26	Review for Exam #2	–	–
March 28	Exam #2 [one-page notes, calculators allowed]	–	–
April 02	Review of Exam #2	–	–
April 04	First-Order Transient Circuit Analysis	5-4 to 5-6	036 – 040
April 09	Transient Circuit Analysis with LTspice	Class Notes	–
April 11	First-Order Transient Circuit Analysis w/ Sources & Switches	5-4 to 5-6	041 – 045
April 16	First-Order & Second-Order Transient Circuit Analysis	6-1 to 6-8	–
April 18	Second-Order Transient Circuit Analysis	6-1 to 6-8	046 – 050
April 23	Second-Order Transient Circuit Analysis (continued)	Class Notes	–
April 25	Review for Final Exam	–	–
Thursday, May 02	Final Exam (07:30AM – 09:30AM) [open-book, notes, calculators allowed]		

Actual classroom discussion may vary slightly from this schedule.

Class normally meets Tuesday and Thursday, 9:30AM – 10:45AM,
in BA 302 (Pocatello) and TAB 282 (Idaho Falls).

Exams, including the Final Exam, will be in BA 302 (Pocatello) and TAB 115 (Idaho Falls).