

Online Resources

Analog Devices, Electronics I and II:

wiki.analog.com/university/courses/electronics/text/electronics-toc

Digilent Inc., Real Analog

digilent.com/reference/learn/courses/real-analog/start

Wikibooks, Electronics

en.wikibooks.org/wiki/Electronics

CircuitLab

www.circuitlab.com

Circuit Review Materials

1.

wiki.analog.com/university/courses/electronics/text/chapter-1

Analog Devices, Electronics I and II:

Chapter 1 - Introduction: Circuit Theory Basics

The entire online book is useful and will be referred to during the semester. There is also lab activity materials available for investigating real circuits on your own (see Digilent, Analog Discovery II). Chapter 1 covers material you should know from EECS211/212.

2.

reference.digilentinc.com/learn/courses/real-analog-chapter-1/start

reference.digilentinc.com/learn/courses/real-analog-chapter-2/start

reference.digilentinc.com/learn/courses/real-analog-chapter-3/start

reference.digilentinc.com/learn/courses/real-analog-chapter-4/start

A pdf is available at the bottom of the page

Each chapter also has a Drop Down menu at the top of the page labeled **Chapter X Materials that provides links to slides, videos, labs, and example exercises**

Digilent Inc., Real Analog: Circuits 1

Chapter 1 - Circuit Fundamentals

Chapter 2 - Circuit Reduction

Chapter 3 - Nodal and Mesh Analysis

Chapter 4 - Systems and Network Theorems

some of the material in Ch4 is new and is more relevant to EECS360

The lab exercises use the Digilent Inc. Analog Discovery II, which is available from the EECS Shop to work on your own labs at home. The following link has more information.

reference.digilentinc.com/reference/instrumentation/analog-discovery-2/start

3.

en.wikibooks.org/wiki/Electronics/DC_Voltage_and_Current

en.wikibooks.org/wiki/Electronics/Nodal_Analysis

en.wikibooks.org/wiki/Electronics/Mesh_Analysis

en.wikibooks.org/wiki/Electronics/Superposition

en.wikibooks.org/wiki/Electronics/DC_Circuit_Analysis

Diode Materials

learn.sparkfun.com/tutorials/diodes/all

en.wikibooks.org/wiki/Electronics/Diodes

wiki.analog.com/university/courses/electronics/text/chapter-5

wiki.analog.com/university/courses/electronics/text/chapter-6

wiki.analog.com/university/courses/electronics/text/chapter-7

Transistor (MOSFET & BJT) Materials

learn.sparkfun.com/tutorials/transistors

<https://wiki.analog.com/university/courses/electronics/text/chapter-8>