

**Review of the Principles of AC Circuits (Current and Voltage)****Reading Assignment:**

*Practical Electronics for Inventors*, 3ed Paul Scherz and Simon Monk, McGraw Hill, 2013

**Basic Concepts and Principles of Alternating Voltages and Currents, Complex Impedance,**

Chapter 2 Theory	Sections 2.20 - 2.36	Pages 80 - 245
Chapter 3 Basic Electronic Circuit Components	Sections 3.1 - 3.8	Pages 254 - 396

**Passive (RCL) Filters**

Chapter 9 Filters	Sections 9.1 - 9.7	Pages 663 - 675
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*Schaum's Outline Of Electrical Engineering*, 2ed Cathey & Nasar, McGraw Hill, 1997

**Reading Assignment:**

Chapter 1 Circuit Elements and Laws	Section 1.1 - 1.6	Pages 2 - 4
Chapter 3 AC Circuits Under Steady State	Sections 3.1 - 3.7	Pages 29 - 36
Chapter 4 Transient Circuit Analysis	Sections 4.1 - 4.3	Pages 48 - 52
Chapter 22 Transformers	Sections 13.1 - 13.8	Pages 222 - 229

**Problems:**

Pages 40 - 46	Problems 3.7, 11, 28
Pages 52 - 59	Problems 4.1, 2, 3, 4, 5, 6, 11, 13, 14
Pages 52 - 59	Problems 13.24, 38