ECE 221
Electric Circuit Analysis

Dr. James McNames

Lecture Overview

Last Time
• Class overview & logistics
• Prefixes
• Definitions: Current, Voltage, Power, & Energy
• Passive sign convention
• Circuit elements
• Ideal Sources

This Time
• Begin basic laws
• Interconnecting voltage sources
• Interconnecting current sources
• Ohm’s law

Notes
• No labs this week
• Slides may be updated as late as 6 pm night before the lecture

Kirchhoff’s laws