ECE 221 Electric Circuits

ece.pdx.edu/~ece2xx/ECE221

Dr. James McNames
mcnames@pdx.edu
Electrical & Computer Engineering

Lecture Overview

Last Time
- Discuss syllabus
- Class overview & logistics
- Prefixes
- Definitions: Current, Voltage, Power, & Energy
- Passive sign convention

This Time
- Circuit elements
- Ideal Sources
- Basic laws
  - Interconnection of sources
  - Ohm’s law
  - Kirchhoff’s laws