

EL 335 - Semiconductor Devices w/Lab

4 Credit Hours

This course introduces physical principles and mathematical models of electronic devices (diodes, field effect transistors – FETs and bipolar transistors – BJTs), diode applications in circuits, amplifiers based on transistors, operational amplifiers (op amps), and applications thereof. This course also covers transistor topics, including the state of transistors, the application of transistors for switching and amplification, and the implementation of metal oxide semiconductor Field Effect transistors (MOSFET).

Prerequisites

[EL 215](#)