

## **EL 235 - Semiconductor Devices w/Lab**

4 Credit Hours

Introduces physical principle and mathematical model of electronic devices (diodes, field effect transistors – FET's and bi-polar transistors – BJT's), diode applications in circuits, amplifiers based on transistors, operational amplifiers (op amps) and applications. State of transistors, Application of transistors for switching and amplification, Metal Oxide semiconductor Field Effect transistor (MOSFET)