

Course Number

ECE-310-01

Course Description

Introduction to semiconductors and solid-state devices. Electrons and holes, energy bands, carrier transport and dynamics, recombination and generation; p-n junctions and diodes; bipolar junction transistors; field-effect transistors; and optoelectronic devices (light-emitting diodes, photodiodes, and solar cells).

Academic Term

22/WI

Instructor

Yang, Zheng

Location & Meeting Time

Integrated Science & Engineering Complex-124 M/W/F 10:30AM-11:35AM LEC

Petition

Y

Credits

1.00

Capacity

28

Total Students

23

Academic Department

Electrical & Computer Engineer

Field Of Study

Electrical & Computer Engineer (ECE)