

EECE 307: Electronics I

Theoretical analysis of the electronics components: diodes, BJT, JFET, MOSFET, OP-AMPS, and detailed analysis of their use in electronic circuits. DC bias, AC analysis and design of regulated DC power supplies, single stage amplifiers and active filters are the sample real world electronic circuits used throughout the course to illustrate the theoretical material presented. One individual design project is required. Homework requires theoretical derivations and PSPICE simulation.

Credits: 3

Prerequisites/Permissions:

EECE 202. Co-requisite: EECE 313. Course Offering: Fall Semester

Program:

Electrical Engineering

COURSE DESCRIPTIONS