

## EEE 3300 Electronics 1

Credits: 4

Text book, title, author, and year Sedra and Smith, Microelectronic Circuits Sixth Edition, Oxford University Press, 2010

- a. Supplemental material (uppl)-DSs, 22 uppl. Specific course information
  - a. Catalog description: Introduction to solid state devices (diodes, BJTs, FETs); op amps, small signal amplifier analysis, large signal analysis. Use of circuit analysis programs (SPICE, etc.).
  - b. Prerequisites: EEL 3111
  - c. Required, elective, or selected elective: required

Specific goals for the course

- a. Specific outcomes of instruction: By the end of the course students will be able to: (i) understand the applications of

Specifically, ability to find out at what mode of operation (saturation, triode or cutoff) the transistor operates.

13) Understanding the concepts of simple Common Source Amplifiers.