

ENEE 303 Midterm Study Guide

Open book open notes

Possible topics are (with some related pages but also ideas from class)

1. Current mirrors and sources, both BJT and MOS (source type and sink type and combined); effects of output resistance (the Early effect)
pages 442, 562-571, 649-655.
2. Biasing of MOSs with load-line - equations and from a Spice printout
pages ,
3. Capacitor charging, simple RC and for inverters (reserve for final)
Pages 46-48, 342-346
4. Regions of operation of MOS transistors and transitions between.
Pages 245-259