

ESEE 302 Midterm Study Points

The exam will be open book open notes and will have three questions which may include material on the following topics:

- a) Transistor models, especially CMOS ones including the Early effect
- b) CMOS and NMOS inverters and how to design to achieve a desired transition point
- c) CMOS current mirrors
- d) ECL logic
- e) Ring oscillators, or and nor gates