Electrical & Electronic Circuits – ECE 100

REQUISITES & CO-REQUISITES
MATH 33A, 33B or MAE 82, Physics 1C. Not open for credit to students with credit for course ECE 110.

TEXTBOOK

COURSE OUTLINE
Week No. Topics to be covered
1 Electrical quantities, circuit elements
2,3 Circuit analysis (KCL, KVL)
4,5 Transient and steady state behavior
6,7 Semiconductor diodes, transistors
8 Large signal and small signal operation/models
9,10 Operational amplifiers

GRADING
Type Quantity Contribution to final grade
Homework 7 20%
Midterm 1 30%
Final 1 50%

Homework will be generally assigned once a week. It will be due at the beginning of class seven days from the day of assignment (see calendar on class web-site for more details). Homework submitted any later will not be graded at all. The solutions will be posted one day after the homework is due. Collaboration on homework is NOT allowed unless expressly permitted.

ACADEMIC INTEGRITY
University policy applies – [http://www.deanofstudents.ucla.edu/studentconduct.htm](http://www.deanofstudents.ucla.edu/studentconduct.htm).