

## **ECE100 Syllabus**

### **Approximate schedule of lectures**

Week 1: Circuit elements, Kirchoff's laws

Week 2: Node/mesh analyses

Week 3: Equivalent circuits, Thevenin equivalent, superposition

Week 4: First order circuits

Week 5: Second order circuits

Week 6: Mutual inductance and transformers

Week 7: Diodes

Week 8: MOSFETs

Week 9: Opamps

Week 10: Review

### **Grading**

6-7 homeworks: 20%

2 midterms: 20%

Final: 40%

Grading will on an absolute scale as follows:

90%+: A+, 80%-90%: A, 75%-80%: A-, 70%-75%: B+, 65%-70%: B, 60%-65%: B-, 55%-60%: C+, 50%-55%: C, 45%-50%: C-, 40%-45%: D+, 35%-40%: D, <35%: F

All exams to be on Gradescope and you are allowed to bring one double-sided handwritten sheet of letter-sized paper and a calculator.

All homeworks needs to be submitted on Gradescope. No late submissions allowed unless pre-approval is obtained for medical reasons.