

EGCI 232 Engineering Electronics

Course Description

Introduction to solid-state electronics as circuit elements, including diodes, bipolar junction transistor, rectifier circuits, Zener diodes regulators, power supplies, power amplification, MOSFETs, applications in operational amplifiers in various feedback configurations.

Class Schedule

Week	Topics
1	Introduction
2	Diode Rectifiers
3	Voltage Regulators
4	Bipolar Junction Transistor
5	MOSFET Biasing
6	MOSFET Amplifier
7	Differential Amplifier I
8	Differential Amplifier II
9	Op-Amp I
10	Op-Amp II
11	Project Presentation
12	Final Examination

Grading Policy

80-100%	A
75-79%	B+
70-74%	B
65-69%	C+
60-64%	C
55-59%	D+
50-54%	D
0-49%	F

References

1. Floyd T.L. Electronic Devices, 8th Ed. Pearson Higher Education; 2008.
2. Boylestad, R.L. Electronic Devices and Circuit Theory, 10th Ed., Person Higher Education; 2008.