

ET- 260 Solid State Electronics I

Textbook: Electronic Principles 8th Edition
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ISBN: 978-0-07-337388-1

Grades are based on tests, homework and attendance as follows:

(2) Tests	33%
Homework	33%
Attendance	33%

Letter grades are as follows:

90-100%	A
80-89%	B
70-79%	C
60-69%	D
00-59%	F

Homework assignments

Ch. 1 Introduction Pg. 25 Prob. 1-17 odd skip 13

Ch. 2 Semiconductors (no homework)

Ch. 3 Diode Theory Pg. 82 Prob. 1-13 odd

Ch. 4 Diode Circuits Pg. 132 Prob. 1-23 odd

Ch. 5 Special Purpose Diodes Pg. 184 Prob. 1-15 odd
Pg. 185 Prob. 25-27 odd

Ch. 6 BJT Fundamentals Pg. 235 Prob. 1-11 odd 19,21,
23

Ch. 7 BJT Biasing Pg. 274 Prob.
1,3,5,7,15,17,21,23,27,34,37

Ch. 8 Basic BJT Amplifiers Pg. 321 Prob.
1,3,5,9,14,16,23

Ch. 9 Multistage, CC and CB Amplifiers

Ch. 10 Power Amplifiers Pg. 409 Prob. 1,2,3,13,14,16
Pg. 411 Prob. 26, 27, 28, 35,43

ET-260L Solid State Lab

Grades are based on tests, completed labs and attendance as follows:

(2) Tests	33%
(9) Labs	33%
Attendance	33%

Lab 9 Common Emitter Amplifier

Lab 10 Class A Amplifier

Lab 11 Class B Amplifier

Lab 12 Class C Amplifiers

Lab 1 Diodes Introduction

Lab 2 Part 1 and 2 Rectifier Circuits

Lab 2 Part 3 Bridge Rectifier Circuit

Lab 3 Zener Diodes

Lab 4 LEDs

Lab 5 Transistor Introduction

Lab 6 Transistor Switch, Current Source

Lab 7 NPN Transistor Bias, Q-Point

Lab 8 PNP Transistor Bias