ET-350 and 350L
Motors and Generators

Textbook: Electrical Power by Joe Kaiser; ISBN 1-56637-366-2

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

(2) Test	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 Electricity and Electric Circuits
Pg. 24 Test Your Knowledge 1-6; Prob. 1-6

Ch. 2 Magnetism
Pg. 38 Test Your Knowledge 1-5; Prob. 1-6

Ch. 3 Alternating Current
Pg. 49 Test Your Knowledge 1-10; Pg. 50 Prob. 1-6

Ch. 4 Inductance
Pg. 64 Test Your Knowledge 1-8; Prob. 1-3

Ch. 5 Capacitance
Pg. 80 Test Your Knowledge 1-6; Prob. 1-6

Ch. 6 Introduction to Transformers
Pg. 98 Test Your Knowledge 1-6; Prob. 1-6

Ch. 7 Transformer Applications
Pg. 124 Test Your Knowledge 1-6; Prob. 1-6

Ch. 8 Introduction to Generators and Motors
Pg. 143 Test Your Knowledge 1-6; Prob. 1-6

Ch. 9 Single Phase AC Motors
Pg. 164 Test Your Knowledge 1-6 skip 3; Prob. 1-6

Ch. 10 Three Phase Alternators
Pg. 186 Test Your Knowledge 1-6; Prob. 1-6

Ch. 11 Three Phase Motors
Pg. 204 Test Your Knowledge 1-8; Pg. 205 Prob. 1-6

Ch. 12 Direct Current Motors and Generators
Pg. 225 Test Your Knowledge 1-10; Prob. 1-6

Ch. 13 AC Motor Control Fundamentals
Pg. 246 Test Your Knowledge 1-12

Ch. 14 Fundamentals of DC Motor Control
Pg. 267 Test Your Knowledge 1-11

ET-350L

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

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

Lab A Resistance

Lab B AC

Lab C Inductance

Lab D Capacitance

Lab 1 Transformers

Lab 2 D.C. Motors and Direct Drive Tachometers

Lab 3 Transistor Switch

Lab 4 Pulse Width Modulation Generator Circuit

Lab 5 D.C. Motor Speed Control

Lab 6 SCR Characteristics

Lab 7 Capacitor Run AC Induction Motor

Lab 8 Triac Phase Control

Lab 9 Stepper Motor

Lab 10 Servo Motor

Lab 11 AC Relays, Relay Logic Ladder Diagram

Lab 12 D.C. Relays

Lab 13 PLC Introduction

Lab 14 PLC Timers, Counters

Lab 15 Lifetime Learning, Library, Periodicals, Web Pages