

PRT 110 N – BASIC ELECTRIC THEORY
Fall Semester 2008

Class Time and Location: Tues, Thurs – 5:30 to 6:45 P.M. @ the HOVENSA Training School

Course Description:

PRT 110 N, Basic Electric Theory is intended to introduce the student to basic electricity. This course would not entail Physics or Calculus, but a good mathematical background is required. The material presented, would enable the student to have a better understanding of electricity which is incorporated within almost every gadget at home, at work, and at recreation. Should the student desire to advance his knowledge, this course would be a solid basic course upon which to continue building his engineering career.

Required Materials:

- Texts: Basic Electrical Theory 2nd Ed. (*Mike Holt*)
- A calculator (example TI-83); Multitester; Inductive voltage Detector.
- A three-ring binder for handouts and notes

Grading:

There will be a minimum of **four** in-class tests that will **each** count as fifteen (15) percent of the final grade. Quizzes/Home assignments/Class Participation will count as twenty (20) percent of the final grade. The final exam will be a comprehensive exam that will count as twenty (20) percent of the overall grade. The dates of the tests have already been tentatively scheduled. If you miss a test, you must present a doctor's certificate in order to receive a makeup. No other make-ups will be given. An unexcused absence during a test will result in a grade of zero. Missing the final exam will result in a grade of zero.

Summary of how your Final Grade will be determined:

Four (4) in-class Tests	- 60 Percent (%)
Quizzes/Homework Assignments/Class Participation	- 20 Percent (%)
Final Exam	<u>- 20 Percent (%)</u>
	100 %

Grading Scheme showing assignment of letter grades:

95- 100	A	90 –94	A-		
87 - 89	B+	83 – 86	B	80 - 82	B-
77 - 79	C+	73 – 76	C	70 - 72	C-
65 - 69	D+	60 – 64	D	0 - 59	F

Course Requirements:

Classes are scheduled for Tuesdays and Thursdays 5:30 to 6:45 P.M. **All** students are required to attend class **regularly and punctually**. Students are also expected to participate fully in class discussions and problem solving sessions.