

ECET 102/CPET 101 Electrical Circuits
Homework 3
Total 70 Points

Assigned Date: Jan. 30, 2012

Due Date: Feb. 8, 2012, before 4:00PM

Hand-In Requirements:

1. Use Microsoft Words to prepare your homework
2. Copy all questions
3. Give detailed calculation to receive full credit
4. Submit your homework into Blackboard, or email it to both Prof. Lin at lin@ipfw.edu and Mr. Sayed Hassan, Lab Instructor at hasssn01@ipfw.edu

Chapter 3 Problems, pages 96-99, Subtotal 35 points

- Questions 4, 5 (Resistance: Circular Wires): 10 points
- Questions 14 (Wire Tables): 10 points
- Question 19 (Temperature Effects): 5 points
- Question 34 (b, c), 35 (a, c) (Color coding & Standard Resistor Values): 10 points

Chapter 4 Problems, pages 131-133, Total 35 points

- Questions 1, 2, 10 (Ohm's Law): 15 points
- Questions 15 (Plotting Ohm's Law): 20 points