

Homework #1 – Radiation Basics  
ME EN 7710 Environmental Fluid Dynamics  
Due 1/22/2013

1. Problem 5 in chapter 2 of Arya handout
2. Problems 2, 3 and 7 in chapter 3 of Arya handout
3. Derive Stefan-Boltzmann's law from Plank's Law.
4. Derive Wein's Law from Plank's Law.