**CSCI 2930: Practical System Administration**

**Homework 1**

**Spring 2014**

**Due 2/6/2014**

In your computer labs, several of the desktops have been manufactured with faulty capacitors. Several on the motherboard have “popped.” Since the systems are out of warranty, it is up to you and your co-workers to replace the motherboard with a new one.

* Document how the system is currently configured using a camera phone or pen and paper, noting where cables, cards, and chips go. Also remember the basic diagram is on the case cover.
* How many memory modules are there? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
* What slots are the memory modules in? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
* Who manufactured the video card? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
* What model video card was it? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
* What kind of bus slot was the video card plugged into? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
* Disassemble the system:
  + Remove Memory and Video card from motherboard.
  + Disconnect cables.
  + If necessary, remove rear fan.
  + Unscrew motherboard from chassis and remove from system.
* What kind of cables are connecting the motherboard to the hard drive(s) and CD-ROM? SATA or PATA? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
* What is the max power of the Power Supply Unit in Watts? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
* What is the max power the Power Supply delivers to the 12v lines? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
* Is the Power Supply modular? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
* Reassemble the system by remounting the motherboard, plugging cables back in and reinserting the memory and video card.
* Was it easy or hard to push the memory back into the board? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_