**COMP354 – Operating Systems**

**Spring 2016**

**Project #1 – Grading Rubric**

**Introduction & Booting**

**40\_\_\_\_\_ / 40 Required Functionality**

**Y** N Assembles bootload.asm

**Y** N Assembles kernel.asm

**Y** N Compiles kernel.c

**Y** N Links kernel.o with kernel\_asm.o

Builds bootable disk image:

**Y** N Creates blank disk image.

**Y** N Puts bootload into sector 0.

**Y** N Puts kernel into sector 3.

Kernel runs correctly:

**Y** N bochs boots from disk image created by compileOS.

**Y** N kernel prints “Hello World” in top left corner of screen.

**30\_\_\_\_\_ / 30 Improvements**

putChar Function Implementation:

**Y** N kernel.c contains a correct implementation of the putChar

method.

**Y** N kernel’s main method uses putChar to print “Hello World” in

white on a red background in the center of the screen.

putStr Function Implementation

**Y** N kernel.c contains a correct implementation of the putStr

method.

**Y** N kernel’s main method uses putStr to print “Hello World” in

red on a white background in the lower right corner of the screen.

**\_\_\_3\_\_ / 5 Documentation**

**Y** N compileOS is well formatted and adequately documented.

**Y** N kernel.c is well formatted and adequately documented.

Y **N** readme file has team names

**\_\_\_\_\_ / 0 Bonus**

Y N Dual Boot Works

**72\_\_\_\_\_ / 75 Total**