CST 334: Operating Systems

Dr. Glenn Bruns

# Round Robin Scheduling

**Important note:** you must follow the [course honor policy](https://drive.google.com/file/d/1DHMWTbWuZoTzLE5xtm6zpY_1eLB9P68z/view?usp=sharing). This includes not looking at others' code and no showing code to others. Follow the link for details.

In this assignment you will write a C function to compute the average turnaround time for some jobs under round robin scheduling. You will assume “very small” time slices, as we have when working these problems in class.

If you look in /home/CLASSES/brunsglenn/cst334/hw/ec-sched on mlc104 you will see files Makefile, robin.c, and test\_robin.c. Your job is to modify the contents of robin.c so that, when you run make, you get this output: (on mlc104)

$ make

gcc -o robin robin.c test\_robin.c

./robin

avg. turnaround = 14.33

avg. turnaround = 0.00

avg. turnaround = 2.30

avg. turnaround = 22.80

You can use define additional functions in robin.c if you want, but you must not modify the Makefile or test\_robin.c. Please note that the function I wrote to solve this problem is about 12 lines, not including a couple of comment lines.

**Submitting**: Submit your robin.c file on iLearn.

**Grading**: I will test your code on 4 test cases, some of which will differ from the tests provided with the assignment. 5 points for each test that passes (20 points max). Points will go toward HW bounty.