

CS 3733 Operating Systems — Fall 2005 Assignment 2

Name _____

Consecutively number the pages and fill in the table of contents below. Put a check mark in the box if you think the part was done correctly.

Description	page number	check if correct
Part 0 cpu burst question	_____	☐
Part 1 load average calculation	_____	☐
Part 2 context switch time calculation	_____	☐
Part 3a statements	_____	☐
Part 3b experiment descriptions	_____	☐
Part 3b experiment psconfig, run and exp files	_____	☐
Part 3c calculation	_____	☐

Part 3b log file: place this after part 3c.

Fill in the tables on the back of this sheet.

If you think everything you did is correct, check here:

☐

Otherwise, give a brief description of what is working and what progress was made on the part that is not working:

Fill in the following table with the results of your first experiment. In this experiment, decreasing the quantum increases the average waiting time. Arrange the results so the higher numbered runs have smaller quantum.

Value	run 1	run 2	run 3	run 4	run 5
Quantum					
Number of processes					
Average waiting time					
CPU utilization					
Time for completion					
Context switches					
CPU bursts per process					
Load Average					

Fill in the following table with the results of your second experiment. In this experiment, decreasing the quantum decreases the average waiting time. Arrange the results so the higher numbered runs have smaller quantum.

Value	run 1	run 2	run 3	run 4	run 5
Quantum					
Number of processes					
Average waiting time					
CPU utilization					
Time for completion					
Context switches					
CPU bursts per process					
Load Average					