α .	
Score:	
DCOIC.	

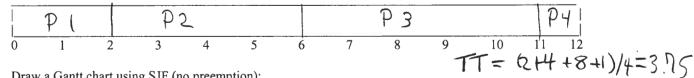
Name:

ECE 3055 Quiz – November 17, 2004 **CPU Scheduling**

The following processes arrive for execution at the times indicated. Use preemptive scheduling for SRTF and RR. Base all decisions on the information you have at the time the decision is made. At arrival time, the burst execution time is known. For RR, assume a newly arrived process is in the ready queue just prior to its arrival time (i.e. it is in the ready queue just before a running process is stopped and added to tail of the ready queue at a time slice.)

Process	Arrival Time	CPU Burst or E	CPU Burst or Execution Time				
P1	0.0ms	2ms	-> .				
P2	2.0ms	4ms	TT = (2+4+7+6)/4=4.75				
P3	4.0ms	5ms					
P4	6.0ms	1 ms	WT = (0+0+2+5)/4=1.75				
			WT= (0+0+2)/4-1.17				

Draw a Gantt chart using FCFS:

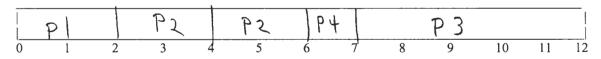


Draw a Gantt chart using SJF (no preemption):

	PI	P 2			P	4	P 3				
0			4	5	6	7	8	9	10	11	12

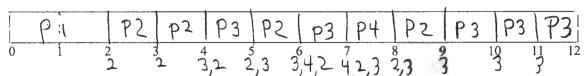
Draw a Gantt chart using SRTF:

same as above



Draw a Gantt chart using RR with time slice = 1ms:

4.75 ms



Fill in the table below:

SJF

(no preemption)

SRTF (preemption)

RR

FCFS

lpt. each