

LESSON PLAN

Contact Hour (Cumulative)	Unit No.	Topic	Teaching(*) Methodology	Remarks
2 (1)	I	Operating System Introduction	BB + ELD	
5,4 (9)		Operating system services.	"	
4,1 (5)		Types of OS.	"	
2,2 (7)		System calls.	"	
5 (8)		Types of system calls	"	
4 (9)		Process concept, Process ^{control} block	"	
1 (10)		Process states, scheduler ^{types} .	"	
2 (11)		Process Queues, Operations	"	
2 (12)		Scheduling criteria, Evaluation	"	
5,4,1 (15)		Scheduling algorithms	"	
2 (16)	II	Process Synchronization	"	
2,5 (18)		Critical Section Problem	"	
4 (19)		Peterson's Solution	"	
1,2 (21)		Semaphores	"	
2,5 (23)		Classic problem of synchronization	"	
4,1 (25)		Monitors.	"	
2 (26)	III	Deadlock characterization Swapping, main memory ^{management}	"	
2,5 (28)		Deadlock prevention Contiguous memory allocation	"	
4,1 (30)		Deadlock Detection	"	
2,2 (32)		Deadlock avoidance	"	

*Black Board / LCD / OHP / Other Method