

GANPAT UNIVERSITY
U.V.PATEL COLLEGE OF ENGINEERING
2CEIT401: OPERATING SYSTEMS
FIRST INTERNAL EXAM SYLLABUS – FEB 2023

Sr. No	Chapter Name	Topic
1	1 Introduction:	<ul style="list-style-type: none"> ● What is an OS? ● Purpose & applications of OS ● Services of OS, ● Types of OS, ● Basics of memory and architecture, ● Kernels & system calls
2	2 Process Management:	<ul style="list-style-type: none"> ● Process basics, ● Process Control Block, ● Process States, ● Fork() system call, ● Threads, Multithreading, ● CPU Scheduling Criteria, Schedulers, Process Scheduling Algorithm <ol style="list-style-type: none"> 1. FCFS 2. SJF 3. SRTF 4. ROUND ROBIN 5. PRIORITY
3	Memory Management	<ul style="list-style-type: none"> ● Function of memory management ● Address binding & linking & loading ● Relocation registers & MMU ● Contiguous memory allocation techniques & process allocation algorithms