

Course Content	<p>Unit 1. Operating System Concepts</p> <p>1.1.Evolution of Operating System & History</p> <p>1.2.Need of an Operating System</p> <p>1.3.Single User & Multi User Operating System</p> <p>1.3.1 Types of OS and their advantages and dis-advantages</p> <p>1.3.2 Batch OS, Distributed OS, Multi-Tasking OS</p> <p>1.3.3 Rea-time OS, Mobile OS</p> <p>1.4.Elements of an Operating System 1.5.Operating System as a Resource Manager</p> <p>Unit 2. Introduction to File System and File Management</p> <p>2.1.File Concept</p> <p>2.2.Operations on File</p> <p>2.3. File Access Methods (Sequential Access and Direct Access)</p> <p>2.4. Directory Systems File Management Functions.</p> <p>2.5. File System and Directory Structure organization.</p> <p>2.6. File Protection.</p> <p>Unit 3. Introduction of Linux</p> <p>3.1.Introduction of Linux versions</p> <p>3.2.Components of Linux</p> <p>3.3.Comparison of Windows and Linux</p> <p>Unit 4. Linux Administration</p> <p>4.1. Installing Linux</p> <p>4.2. Installation of Open Source Software</p> <p>4.3.Maintaining User Accounts</p> <p>4.4.System Config Services (Package)</p> <p>Unit 5. Device Management</p> <p>5.1.Device Management Function</p> <p>5.2.Device Characteristics</p> <p>5.3.Disk space Management</p> <p>5.4.Allocation and Disk Scheduling Methods</p>
Reference Books	<ol style="list-style-type: none"> 1. Operating System Concepts: – James Peterson: – McGraw Hill 2. Operating System: – Stallings - PHI 3. Operating System Principles: – Silberschatz, Galvin, Gagne - Willey, India 4. Operating Systems – A. S. Godbole – Tata McGraw Hill 5. Linux – The Complete Reference – Richard Petersen – Tata McGraw Hill
Teaching Methodology	Class Work, Discussion, Self-Study, Seminars and/or Assignments
Evaluation Method	<p>30% Internal assessment.</p> <p>70% External assessment.</p>