

Course Title	OPERATING SYSTEMS
Course Code	CSC 212
Course Purpose and Objectives	The purpose of this course is to provide an overview of computer operating systems. Students will learn the history of Operating Systems their design and development. The course will cover major components and the algorithms and implementation techniques used to create them. The class will presented using a both a mix of theory and hands-on exercises. Most of the assignments will be done on Linux machines.
Learning Outcomes	<ol style="list-style-type: none"> 1. Describe concepts, policies, and mechanisms used by operating systems. 2. Compare, process, scheduling algorithms. 3. Apply synchronization primitives and evaluate deadlock conditions. 4. Analyze virtual memory management algorithms. 5. Write simple programmes using semaphores and other synchronization mechanisms.
Course Content	<ul style="list-style-type: none"> • Introduction • OS Structures • Process Management • Memory Management • File Systems • Protection and Security • Distributed Systems