

Course Change/Deletion

School of Computing Science
November 2007

Current Course Number: CMPT 401, Operating Systems II

Revision(s):

Course number	Credit	Title	X Description
X Prerequisite	Exclusions		Course deletion

	FROM	TO
Description	This second course on operating systems studies in depth some of the issues introduced in CMPT 300, as well as new, more advanced topics in modern operating systems. Topics may include interprocess communication, threads, remote procedure calls, language constructs for concurrency, deadlocks, virtual machines, distributed systems, distributed concurrency control, group communication, issues in file system design, security and protection, performance evaluation.	Advanced concepts in modern operating systems such as scheduling algorithms, address space protection, virtual memory, multiprocessor operating systems, microkernels, virtual machine hypervisors, embedded and real-time operating systems. Students will implement parts of an operating system.
Prerequisite	CMPT 300 and 371	CMPT 150 and 300

Rationale: CMPT 401 had slowly come to focus on distributed systems, but CMPT 431 (Distributed Systems) was recently introduced to properly fill this niche. These revisions reflect our desire to have a “true” second operating systems course.

Effective term and year: 2008/2009 calendar

Approvals:

Uwe Glasser, Director, School of Computing Science
FAS Undergraduate Curriculum Committee
SCUS