

**Robert Brandon
Norman Han**

Operating System Fundamentals

**Computer Engineering Technology – Computer Science
Computer Programmer**

Professors:	Robert Brandon Norman Han	Course Number:	CST8201
Email:	brandor@algonquincollege.com hann@algonquincollege.com	Course Sections:	310, 320
Phone:	Robert Brandon x 7217 Norman Han x 5950	Academic Year:	2009 - 2010
Office:	Robert Brandon T316 Norman Han T315	Term:	Fall

Section Specific Learning Resources
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- ❖ The textbooks for this course are the same as those listed in the approved course outline available on Blackboard.
- ❖ Other related materials will be provided to the student as required.

Learning Schedule

	Topic	Reading	Evaluation
Week 1	Installing Linux and Windows	Practical Guide to Ubuntu Linux, Ch. 1, 2 and 3	Lab Assignment #1 (1%) Online Assignment #1 (1%)
Week 2	Purpose and components of an Operating System and how it functions conceptually	Practical Guide to Ubuntu Linux, Ch. 4 & 8	Lab Assignment #2 (1%) Online Assignment #2 (1%)
Week 3	Windows GUI Interface	Practical Guide to Ubuntu Linux, Ch. 5 & 7	Lab Assignment #3 (2%) Online Assignment #3 (1%)
Week 4	Command line interfaces of Windows XP and Linux		Lab Assignment #4 (2%) Online Assignment #4 (1%)
Week 5		Practical Guide to Ubuntu Linux, Ch. 6	Lab Assignment #5 (2%) Online Assignment #5 (1%) Midterm #1 (15%)
Week 6	How to navigate and alter directory hierarchies, as well as create, manipulate and destroy files and folders.	Practical Guide to Ubuntu Linux, Ch. 9	Lab Assignment #6 (2%) Online Assignment #6 (1%)
Week 7	How to locate, display and alter files and associated file metadata	Practical Guide to Ubuntu Linux, Ch. 12	Lab Assignment #7 (2%) Online Assignment #7 (1%)
Week 8	File systems in Windows XP and Linux	Practical Guide to Ubuntu Linux, Ch. 27	Lab Assignment #8 (2%) Online Assignment #8 (1%)
Week 9			Lab Assignment #9 (2%) Online Assignment #9 (1%)
Week 10	Using vim to create and edit text files in Linux	Practical Guide to Ubuntu Linux, Appendix A	Lab Assignment #10 (2%) Online Assignment #10 (1%) Midterm #2 (15%)
Week 11	Shell scripting in Linux	Practical Guide to Ubuntu Linux, Ch. 11	Lab Assignment #11 (5%) Online Assignment #11 (1%)
Week 12	How to use system files and utilities to administer and maintain installed copies of Windows XP and Linux	Practical Guide to Ubuntu Linux, Ch. 10	Online Assignment #12 (1%)
Week 13		Practical Guide to Ubuntu Linux, Ch. 13	Lab Assignment #12 (2%) Online Assignment #13 (1%)
Week 14	Using Linux to reduce the amount of electricity and new computer hardware required to accomplish computational tasks		Online Assignment #14 (2%)