



Pierce College
Course Syllabus – Microcomputer Operating Systems, CIS 134
Item: 1106, Section AF: TTh, 12:00 – 2:10 p.m., Room SN113
Website: www.samueltscott.com/pierce.htm
Winter 2009

Instructor: S. Scott

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Office Hours: MWF 9:00 – 10:00 a.m.; TTh 11:00a.m.-Noon

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Textbook: A+ Guide to Software – Managing, Maintaining, and Troubleshooting, 4th Ed., Jean Andrews, Course Technology, c. 2007; ISBN 0-619-21760-x

Materials: Personal storage media (e.g. 3.5” IBM format diskettes, and USB Thumb Drive), and a 1-inch 3-ring binder for a graded class workbook.

Course Description: Introduction to the function, use, and development of command line, menu-based, and GUI microcomputer operating systems. Explore the relationships between the development of hardware, operating systems, and applications over time.

Course Objectives:

1. Compare and contrast different operating systems.
2. Use terminology and functions of different versions of command line and GUI operating systems.
3. Explain the boot process and how to create a bootable floppy disk and emergency boot files.
4. Demonstrate intermediate skills in effectively utilizing operating systems features such as format, scandisk/chkdsk, defrag, use of command-line switches, back-up and recovery.
5. Compare and contrast system support files such as DLL, VxD, LNK, INI.
6. Describe general backup, recovery, and protection procedures.
7. Troubleshoot ambiguous hardware and software operating systems problems.
8. Compare and contrast standalone versus network systems.
9. Describe the impacts that development of different generations of microcomputer chips have had in the development of more complex/feature-rich operating systems.
10. Describe various ways of defining/changing settings within different operating systems.
11. Compare and contrast multiswitching/taskswitching with multitasking, and preemptive versus cooperative multitasking.
12. Explain options to customize the operating system to accommodate other language and/or persons with physical limitations.

Access/Disability/Special Needs: Students with disabilities who believe they may need academic adjustments, auxiliary aids or services to fully participate in course activities or meet course requirements are encouraged to register with the Access and Disability Services (ADS) Office, Room 300K in the Cascade Building. You may also call the ADS Office to make an appointment to meet with the ADS Coordinator at (253) 964-6526 or 964-6527. Students requesting academic adjustments must obtain the “Approved Quarterly Academic Adjustments, Auxiliary Aids or Services” (green) form provided by ADS.

Grading: 3.5 – 4 = A (90% and higher), 2.5 – 3.4 = B (80-89%), 2.0 – 2.4 = C (75-79%), 0.0 = F (<75%)

Note: No passing grade lower than 2.0 will be given.

Class grade weighting:

2 written tests	200 pts.
Lab/homework	90 pts.
Chapter quizzes	110 pts
Essay	<u>100 pts</u>
Total class work	500 pts.



Attendance: See Pierce College catalog. It is the student’s responsibility to attend class and will be responsible for all assigned reading and material presented during the class. **THE LAST DAY TO DROP: Feb 19, 2009!**

Academic Integrity: Cheating and plagiarism will not be tolerated. Any student caught cheating will be subject to Pierce College discipline process, which may include dismissal. See the instructor or college catalogue if you are unsure of these concepts.

Class Schedule

<u>Week</u>	<u>Chapters</u>	<u>Tests</u>	<u>Lab Exercises</u>
1	1		1-1 thru 1-4
2	6		6-1, 6-2, 6-4
3	7		7-1, 7-2, 7-3,7-4, 7-7
4	2		2-1 thru 2-6
5	3		3-1, 3-3, 3-5,
6	4	Mid-term	4-1, 4-2, 4-3, 4-4, 4-5, 4-8
7	5		5-1, 5-2, 5-3
8	8, 9		8-1, 8-2, 8-3, 8-5; 9-1, 9-4, 9-6
9	10, 11		10-1, 10-2; 11-1, 11-2
10	12	Final	12-1, 12-3

Tests: Tests may consist of multiple choice, T/F, fill in the blank, short answer and essay questions. **No make-up exams will be given.** Exams may only be taken late due to documented extenuating circumstances and/or prior arrangement. Exact dates for exams will be announced in class. Students wishing to accelerate course completion may arrange for early exams.

Lab/Homework Assignments: The lab/homework assignments will be explained in detail in class.

Chapter Quizzes: Students will be responsible for completing and submitting quizzes on each chapter's information as covered in the textbook.

Essay: Each student will prepare a 2-3 page essay addressing the relative merits/desirability of Windows Vista as an upgrade for Windows XP users. Essays will be graded for grammar only. The essay is ***due 19 Feb 2009***. ***Essays submitted late will be accepted for a maximum of half credit.***

Unauthorized Activities: While attending classes conducted in a computer lab, students will **not engage in any activity not directly related to class instruction**, objectives, outcomes, or learning activities during the prescribed class times. Any student engaging in non-class activity will be directed to immediately cease the activity. Failure to immediately cease the unauthorized computer activity may be grounds for the student's removal from the lab and course failure. Examples of unauthorized activities during class include: computer games, personal email, instant messaging, web surfing, installing software, downloading music/video, etc.

Emergency Management: Call 911 and then Campus Safety in response to an imminent threat to persons or property. In the event of an evacuation (intermittent horns & strobes), gather all personal belongings and leave the building using the nearest available safe exit. Be prepared to be outside for one hour and stay a minimum of 200 feet from any building or structure. So long as it is safe to do so students are expected to stay on campus and return to class after evacuations that last less than 15 minutes. Do not attempt to re-enter the building until instructed by an Evacuation Director (identified by orange vests) or by three horn blasts or bell rings. Please notify the nearest Campus Safety Officer or Evacuation Director of any one left in the building or in need of assistance. Fort Steilacoom Campus Safety (253) 964-6751

This class schedule may be modified as the class progresses through the quarter.