CS426 - Operating System Design

Prerequisite: CS228, CS330, and junior standing. **You should also be able to program in Java, C and C++ as well as read and understand code in these languages.** We will be reading various code segments in the text.

Required materials:

- **Text**: Operating Systems Concepts, Silberschatz, Galvin, Gagne, 7th Edition, Wiley Press
- University issued notebook computer.
- Pencil and eraser: REQUIRED for quizzes and tests.

Attendance:

Attendance is required and will be checked daily. In case of an illness or other emergency that results in class absence, you are responsible for keeping up with assignments. Do not assume that I know you are ill. **Documentation will be required for excused absences**. Use e-mail to let me know.

Assignments:

Homework will be assigned daily and must be completed daily if you expect to make a reasonable grade in the course. I suggest you study your text with a highlighter and pencil handy. Highlight important ideas and note passages about which you have a question. Keep your class notes and homework in a loose-leaf notebook, not written in the text.

This class will mostly be a lecture with no actual programming. However, we will be code reading the examples in the book and discussing programming examples. Some programming assignments may be made for the laptop depending upon availability of test platforms.

Occasionally you may be assigned to a group to explore some problems. The group may have to meet outside of class to finish the work. Every student must participate in group work. A signature from each person in the group is required when the solution to the assignment is submitted. These assignments will be due as announced in class. Each member of a group earns the same grade. Points for group projects will vary upon the difficulty of the project. Participation of each individual will be a consideration in computing the grade.

Tests & Quizzes:

Several quizzes will be given, each worth 10 points (see grading system below). Most quiz questions will be taken directly from your homework notebook and class notes so you will only have time to copy your answers from your notebook, not solve the problems. No make-up quizzes will be given. There will be about four 100-point tests after each major section of material. Tests will cover reading, homework, and concepts discussed in class. No test scores will be dropped. You must take tests and quizzes at their scheduled times. No make-up is possible for any test unless you notify me **before** test time or have a very good excuse. A documented excuse is necessary in order to take a make-up test. Grades on quizzes and tests are not "curved." The comprehensive final exam will be worth 200 points.

Class participation:

As noted above, if you want to succeed in this class, you need to do the work, attend class, and participate in class discussions. I will know those that are really trying and those that are not and it can affect your grade. If you are having trouble, I want you to ask for help and ask questions in class. **The only stupid question is the one you failed to ask and then missed a question on a quiz or test!**

Approximate Grading System (there may be more or less quizzes, projects, or exams)**:**

8 quizzes or group projects (10 points each)	80 points
4 Major exams (100 points each)	400 points
Final Exam	200 points
Class participation, attitude, attendance and effort	50 points
Total:	730 points

Approximate Grading Scale:
A: 90-100 %; B: 80-89 %; C: 70-79 %; D: 60-~9 %; F: < 60 %.
To pass the course you must take all tests and the final exam unless you are exempted from the exam. A grade of AT LEAST **C-** is required for registration in MA100.

Final Exam: Students who have missed no more than 3 hours of class (regardless of reason including excused absences) and have an 83 average or above after all quizzes and exams may skip the final and receive their current score as their grade in the class. If you miss more than three classes, please don't ask to skip the final.

Class Schedule:

Classes Begin:	1/17/2005 (Mon)
Spring Break:	3/05/2005 (Sat) to 3/13/2005 (Sun)
Last day to drop with "W"	4/01/2005
Last Day of Class:	4/30/2005
Final Exam:	5/04/2005 (Wed) at noon, JXJ 104

Contact Information:

Email	kculp@nmu.edu
Phone:	227-1841

Extra Help:

Office Hours (NSF 1005):	MTWR: 9:00-10:45am. Others by request.

Please let me know in advance when you need help. If I am not in my office during office hours, call 360-4688 and I will come in to meet you. Normally I will be in the office during those hours. Tape recording of class sessions is permitted; study groups are strongly recommended.

DISABILITY SERVICES
If you have a need for disability-related accommodations or services, please inform the Coordinator of Disability Services in the Disability Services Office by: coming into the office at 2001 C. B. Hedgcock; calling 227-1700; or e-mailing disserv@nmu.edu. Reasonable and effective accommodations and services will be provided to students if requests are made in a timely manner, with appropriate documentation, in accordance with federal, state, and University guidelines.

Final Commitment:
You and I are a team in this class with the same objective – for you to learn the material and to receive a passing grade in the class. However we must work together as a team. Your job on our team effort is to give all assignments your very best effort **AND** ask for help when needed. My job is to insure that you learn the material. Do you part as noted above and I commit that you will pass. **Together, as a team, you can expect an A!**