CMSC 421: Principles of Operating Systems

Fall '97 (T-Th 2:30-3:45pm)

Course Instructor:

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Office Hours: T-Th 3:45-5:00pm or by appointment
Teaching Assistant: Hua Yuan, yuan@umbc.edu, OH: To be announced

Text:

A.S. Tanenbaum and A.S. Woodhull, "Operating Systems: Design and Implementation," Prentice-Hall (1997).

Supplementary text:

Abraham Silberschatz and Peter B. Galvin, "Operating Systems Concepts", Addison-Wesley Publishing Company (1994).

Course Outline:

Introduction	Chapter 1
Processes	Chapter 2
Memory Management	Chapter 3
File Systems	Chapter 4
Input/Output	Chapter 5
Deadlocks	Chapter 6
Distributed Systems	

(Note: Changes/Additions to this schedule will be posted on my website http://www.cs.umbc.edu/~plusquel/).

Grading:

The distribution of weights for the exams, homeworks and projects is as follows::

Midterm Exam	25%
Final Exam	25%
Homeworks	18%
Projects	30%
Class Participation	2%

There are two projects, to be programmed in C. Projects are assigned at least three weeks before they are due. Late projects will be accepted up to 7 days past the due date but you will loose 7% for each day beyond the due date, including weekends. No incompletes will be given, except as required by university policy for truly exceptional circumstances.

The midterm exam is given after the end of Chapter 3. The final exam covers material from Chapter 4 through 9 and is not explicitly cumulative, though the material in latter chapters is not entirely independent from that in the former. There are four or five homework assignments, one every two or three weeks. Students are encouraged to participate in class.