CS 520—Advanced Topics in Parallel and Distributed Computing  
(Parallel Computing)  
Spring 2007

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Office Hours: T & Th: 9:00am to 10:00am & 1:30pm to 2:30pm

Main topics:  
• Models of Parallel Computing  
• Basic Communication Operations  
• Performance and Scalability  
• Message Passing Interface  
• Dense Matrix Algorithms  
• Matrix Multiplication  
• Sorting Methods  
• Multi-Agent Systems  
• Process Modeling  
• Methodical Design of Parallel Algorithms

Grading:  
Midterm: 25%  
Final Exam: 25%  
Assignments: 25%  
Research paper/Project: 25%  
NOTE: These percentages are tentative; there may be significant changes.

Grading Scale:  
A = 90-100, B = 80-89, C = 70-79, D = 60-69, F < 60.

Missing Exams: If you should miss an exam (not including quizzes), you must let me know before the exam. You may call me, send me E-mail, or come by my office to inform me. If the excuse is reasonable, I will replace your exam score with your last exam percentage. This does

Attendance: I strongly encourage regular attendance in my classes and will take attendance at the beginning of each class. You are responsible for all announcements and for all material presented in the lecture sessions.

Turning in work: Please turn in your work on time. Your works should be turned in before I start the class, unless I extend the deadline.

Final Notes: 1) Personal laptops, PDAs, and cell phones are not allowed to be used in class. 2) During the lab sessions, computers should be only used to do the lab assignments and reading class materials.