



CSci 493.65 Schedule of Readings and Topics

The following table outlines the schedule that I plan on following this semester. WE may deviate from it by one or two classes. There are presentations by graduate students throughout the semester. All students are expected to know the content of these presentations well enough to be tested on important points made by those students. You are expected to read the lecture notes and the relevant sections of the book before the class in which it is covered, so that you are prepared for the class.

Week	Date	Lecture Chapter/Topic	Textbook Chapter
1	8/25, 8/30	1 Background; Motivation and History of Parallel Computing;	1
2	9/1, 9/13	2 Parallel architectures	1
3	9/20, 9/22	3 Parallel Algorithm Design	2
4	9/22, 9/27	4 Message-Passing Programming	5
5	9/29, 10/4	5 Floyd's Algorithm	5
	10/11	No class - College is closed	
6	10/13, 10/18	6 Performance Analysis	*
7	10/20, 10/25	7 Matrix-Vector Multiplication	*
8	10/27, 11/1	7 Matrix-Vector Multiplication; Document Classification Presentation	*
9	11/03, 11/08	8 Random Number Presentation, Monte Carlo Methods	*
10	11/11, 11/15	10 Shared-Memory Programming with Threads, Room Assignment Problem Presentation	3
11	11/18, 11/22	10 Shared-Memory Programming with OpenMP, Parallel Sieve of Eratosthenes Presentation	3
12	11/24, 11/29	10 Shared-Memory Programming with OpenMP, Computing Pi Presentation	3,4
13	12/01, 12/06	10 Shared-Memory Programming with Pthreads, Parallel Quicksort Presentation	
14	12/08, 12/13	10 Shared-Memory Programming with Pthreads, Parallel Backtracking Presentation	