CSci 493.65 Syllabus

The following table outlines the chapters and topics that we will cover during the semester. The exact timing is an approximation; we may deviate from this plan. You are expected to read the material in the given chapter before the class in which it is covered, so that you are prepared for the class.

Date	Chapter/Topic	Notes
Thu, 01/29	1 Motivation and History of Parallel Computing	
Mon, 02/02	2 Parallel architectures	
Thu, 02/05	2 Parallel architectures	
Mon, 02/09	2 Parallel architectures, 3 Parallel Algorithm Design	
Thu, 02/12		No class
Mon, 02/16		No class
Wed, 02/18	3 Parallel Algorithm Design	Monday schedule
Thu, 02/19	3 Parallel Algorithm Design	
Mon, 02/23	3 Parallel Algorithm Design, 4 Message-Passing Programming	
Thu, 02/26	4 Message-Passing Programming	
Mon, 03/02	4 Message-Passing Programming	
Thu, 03/05	4 Message-Passing Programming, 6 Floyd's Algorithm	
Mon, 03/09	6 Floyd's Algorithm	
Thu, 03/12	6 Floyd's Algorithm, 7 Performance Analysis	
Mon, 03/16	7 Performance Analysis	
Thu, 03/19	7 Performance Analysis, 8 Matrix-Vector Multiplication	
Mon, 03/23	8 Matrix-Vector Multiplication	
Thu, 03/26	8 Matrix-Vector Multiplication	
Mon, 03/30	10 Monte Carlo Methods	
Thu, 04/02	10 Monte Carlo Methods	
Mon, 04/06		No class
Thu, 04/09		No class
Mon, 04/13	10 Monte Carlo Methods, 13 Finite Difference Methods	
Thu, 04/16	13 Finite Difference Methods	Last day to withdraw
Mon, 04/20	14 Sorting	
Thu, 04/23	14 Sorting	
Mon, 04/27	14 Sorting	
Thu, 04/30	16 Combinatorial Searching	
Mon, 05/04	16 Combinatorial Searching	
Thu, 05/07	17 Shared-Memory Programming	
Mon, 05/11	17 Shared-Memory Programming	
Thu, 05/14	17 Shared-Memory Programming	Last class