

CmpSci 535 Course Schedule: Reading and Project Stages

- 1 Jan 22 Mon Syllabus, Course Schedule, Project Overview - Intro and history
Architecture
- 2 Jan 24 Wed Appendix A, Section 1.1-1.3
Technology
- 3 Jan 29 Mon Section 1.1 - 1.3
Methodology
- 4 Jan 31 Wed Section 1.4-1.7
- 5 Feb 5 Mon Section 1.8-1.9
- 6 Feb 7 Wed Section 1.10 - 1.13 *Draft Project Report due*
Memory
- 7 Feb 12 Mon Section B.1-B.2
Cache
- 8 Feb 14 Wed Section 2.1-2.3, B.3
- Feb 19 Mon *(No class, Holiday)*
- 9 Feb 21 Wed *First Project Report due in final form*
Pipelining
- 10 Feb 26 Mon Appendix C
Instruction Level Parallelism and Branch Prediction
- 11 Feb 28 Wed Section 3.1 - 3.5
- 12 Mar 5 Mon Section 3.6-3.11, *Memory with cache and timing demo*
- Mar 7 Wed **Midterm Exam**
- Mar 12 Mon *(No class, Spring Break)*
- Mar 14 Wed *(No class, Spring Break)*
Multithreading and Predication
- 13 Mar 19 Mon Section 3.12-3.15
Virtualization
- 14 Mar 21 Wed Section B.4-B.5
- 15 Mar 26 Mon *Simulation with basic instruction set, assembler, minimal UI*
- 16 Mar 28 Wed Section 2.4-2.8
Secondary Storage
- 17 Apr 2 Mon *Full ISA demo, debug/GUI interface, benchmarks, with/without cache*
- 18 Apr 4 Wed Section D.1-D.4
Parallelism
- 19 Apr 9 Mon Section 5.1-5.4
- 20 Apr 11 Wed Section 5.5-5.9
- Apr 16 Mon *(No class, Holiday)*
- 21 Apr 17 Tue Section G.1-G.4
Data Parallel
- 22 Apr 18 Wed Section G.5-G.8
- 23 Apr 23 Mon Section 4.1-4.3, *Pipeline demo (combined w/baseline and cache)*
- 24 Apr 25 Wed Section 4.4-4.8, *draft final report due*
Data Centers
- 25 Apr 30 Mon Section 6.1-6.7
- May 8 Tue **Final Exam, 8AM-10AM, CS 140, Final Project Report Due**