CmpSci 535 Course Schedule: Reading and Project Stages

1  Jan 23 Wed  Syllabus, Course Schedule, Project Overview - Intro and history
   *Architecture and Instruction Sets*
2  Jan 28 Mon  Appendix A
3  Jan 30 Wed  Section 1.1-1.3
   *Technology*
4  Feb  4 Mon  Section 1.4 - 1.7
   *Methodology*
5  Feb  6 Wed  Section 1.8-1.13
   *Memory and Cache*
6  Feb 11 Mon  Section B.1 - B.3
7  Feb 13 Wed  Draft Project Proposal due, ISA Presentations
   Feb 18 Mon  (No class, Holiday)
8  Feb 19 Tue  Section 2.1-2.3
   *Pipelining*
9  Feb 20 Wed  Appendix C
   *Instruction Level Parallelism and Branch Prediction*
10 Feb 25 Mon  Section 3.1 - 3.5 Project Proposal due in final form
11 Feb 27 Wed  Section 3.6-3.10
12 Mar  4 Mon  Memory with cache and timing demo
   Mar  6 Wed  Midterm Exam
   Mar 11 Mon  (No class, Spring Break)
   Mar 13 Wed  (No class, Spring Break)
   *Multithreading and Predication*
13 Mar 18 Mon  Section 3.11-3.15
   *Virtualization*
14 Mar 20 Wed  Section B.4-B.5
15 Mar 25 Mon  Simulation with basic instruction set, pipeline, cache, minimal UI
16 Mar 27 Wed  Section 2.4-2.9
   *Secondary Storage*
17 Apr  1 Mon  Section D.1-D.4 (online)
   *Parallelism*
18 Apr  3 Wed  Section 5.1-5.3
19 Apr  8 Mon  Section 5.4
20 Apr 10 Wed  Full ISA demo, debug/GUI interface, assembler
   Apr 15 Mon  (No class, Holiday)
21 Apr 17 Wed  Section 5.5-5.11
   *Data Parallel*
22 Apr 22 Mon  Section 4.1-4.3
23 Apr 24 Wed  Section 4.4-4.10, Benchmark demo, draft final report due
   *Data Centers*
24 Apr 29 Mon  Section 6.1-6.4
25 May  1 Wed  Section 6.5-6.10
   May  3 Fri  Final Exam, 8AM-10AM, CS 140, Final Project Report Due