CmpSci 335 Reading Schedule

Jan 19 Tue Chapter 1, Syllabus, Course Schedule, Computing Technology History
Jan 21 Thu Chapter 2.1 - 2.4, Binary numbers, addition, subtraction
Jan 26 Tue Chapter 2.5 - 2.8, Multiplication, division, floating point
Jan 28 Thu Chapter 2.9 Transistors, gates, and combinational logic (Prototyping)
Feb 2 Tue Chapter 2.9 Combinational logic for arithmetic
Feb 4 Thu Chapter 2.10 - 2.11 Sequential logic and memory (Adder construction)
Feb 9 Tue Chapter 10 Memory technology (Register bit circuit)
Feb 11 Thu Chapter 3.1 - 3.2 ISA, datapath, fetch-execute cycle, addressing modes
Feb 16 Tue (No class, Monday schedule)
Feb 18 Thu Chapter 7.1 - 7.2 Control units, RISC ISA datapath
Feb 23 Tue Chapter 3.3 - 3.5 ARM 32-bit ISA and assembly language
Feb 25 Thu Chapter 3.6 - 3.8 ARM control flow and addressing
Mar 1 Tue Chapter 3.9 - 3.12 Subroutines, stack, examples
Mar 3 Tue Introduction to C syntax, types, expressions, control structures, functions
Mar 8 Tue Midterm Exam
Mar 10 Thu Chapter 4.1 Pointers and parameter passing, mixing C and assembly
Mar 15 Tue Spring Break
Mar 17 Thus Spring Break
Mar 22 Tue Chapter 12.1 - 12.3.1 Programmed I/O, DMA
Mar 24 Thu Chapter 12.3.2 - 12.4 Interrupt-driven I/O
Mar 29 Tue Chapter 4 Comparison of ARM with other architectures
Mar 31 Thu Chapter 6 Performance
Apr 5 Tue Chapter 7.3 - 7.4 Pipelines and hazards
Apr 7 Thu Chapter 7.5 - 7.6 Branch prediction
Apr 12 Tue Chapter 8.1 Superscalar
Apr 14 Thu Chapter 9.1 - 9.4 Caches
Apr 19 Tue Chapter 9.5 Virtual memory
Apr 21 Thu Chapter 12.5 - 12.9 I/O buses and devices
Apr 26 Tue Chapter 11 Secondary storage
Apr 29-May 5 Final Exam Date TBD