CmpSci 335 Reading Schedule

Sept 8 Fri  Chapter 1 Syllabus, Course Schedule, Computing Technology History
Sept 11 Mon  Chapter 2.1 - 2.4, Binary numbers, addition, subtraction
Sept 15 Fri  Chapter 2.5 - 2.8, Multiplication, division, floating point
Sept 18 Mon  Chapter 2.9  Transistors, gates, and combinational logic (Prototyping)
Sept 22 Fri  Chapter 2.9  Combinational logic for arithmetic
Sept 25 Mon  Chapter 2.10 - 2.11 Sequential logic and memory (Adder construction)
Sept 29 Fri  Chapter 10  Memory technology (Register bit circuit)
Oct 2 Mon  Chapter 3.1 - 3.2  ISA, datapath, fetch-execute cycle, addressing modes
Oct 6 Fri  Chapter 7.1 - 7.2  Control units, RISC ISA datapath
Oct 9 Mon  No class (Holiday)
Oct 10 Tue  Chapter 3.3 - 3.5 ARM 32-bit ISA and assembly language
Oct 13 Fri  Chapter 3.6 - 3.8 ARM control flow and addressing
Oct 16 Mon  Chapter 3.9 - 3.12 Subroutines, stack, examples
Oct 20 Fri  Introduction to C syntax, types, expressions, control structures, functions
Oct 23 Mon  Chapter 4.1 Pointers and parameter passing, mixing C and assembly
Oct 27 Fri  Midterm Exam
Oct 30 Mon  Chapter 12.1 - 12.3.1 Programmed I/O, DMA
Nov 3 Fri  Chapter 12.3.2 - 12.4 Interrupt-driven I/O
Nov 6 Mon  Chapter 4 Comparison of ARM with other architectures
Nov 10 Fri  Chapter 6 Performance
Nov 13 Mon  Chapter 7.3 - 7.6 Pipelines and hazards, Branch prediction (away at a conference)
Nov 17 Fri  Chapter 8.1 Superscalar
Nov 20 Mon  Thanksgiving Break
Nov 24 Fri  Thanksgiving Break
Nov 27 Mon  Chapter 9.1 - 9.4 Caches
Dec 1 Fri  Chapter 9.5 Virtual memory
Dec 4 Mon  Chapter 12.5 - 12.9 I/O buses and devices
Dec 8 Fri  Chapter 11 Secondary storage
Dec 11 Mon  Project Presentations
Dec 15 Fri  Final Exam 3:30 - 5:30, CS 142