

4. Web Page

We will generally make course materials available on the web. The web page for the course is:

www.cs.virginia.edu/cs308

5. Assignments, Exams, Grading

Homework will be assigned roughly every two weeks. Homework is pledged, and must be turned in on the due date unless prior approval for late submission has been given by the Instructor. Some of the assignments will, hopefully, require use of the CS 308/EE 335 lab in Thornton C 125 if the new equipment for this lab arrives soon.

There will be a mid-term exam, given in the evening hours, and the final exam will cover the entire course material.

Course grades will be based on the following relative weights:

	Weight (%)
Homework	40
mid-term	20
Final exam	40

6. Programming Practices

Whether in assignments or tests, principles of good program design, expression (coding), documentation and testing will count heavily! The fact that a program works is a necessary, but not sufficient condition for a good grade. In that famous real world, software maintenance costs a great deal more than development, so attributes like good testing practices and good documentation are crucial. CS201 is a pre-requisite for this course, and the criteria for good documentation and test plans, etc. are those you learned there, and in CS101 before it.

7. Exams

Midterm Exam - Tuesday, March 9, 7:00 - 9:00 pm

Final Exam - Friday, May 7, 2:00 - 5:00 pm

8. Course Outline

We will try to maintain the following week-by-week schedule during the semester:

Dates	Topics	Reading
Jan. 25, 27	Logic. Machines.	Appendix A: 1-6; 9-10; 12-13, 16-17
Feb. 1, 3	Architecture Overview	Chapter 1
Feb. 8, 10	Instructions. Addressing	Chapter 2
Feb. 15, 17	SRC, RTN, RISC & CISC	Chapter 2, Appendix B
Feb. 22, 24	RISC and CISC examples	Chapter 3
Mar. 1, 3	More ISAs, Design	Chapter 3, 4
Mar. 8, 10	Processor Design	Chapter 4
Mar.15 to 21	SPRING BREAK	
Mar. 22, 24	More Processor Design	Chapter 5
Mar. 29, 31	Arithmetic; ALU design	Chapter 6
Apr. 5, 7	Memory	Chapter 7, pp. 307 - 344
Apr. 12, 14	Caches	Chapter 7, pp. 344 - 358
Apr. 19, 21	Virtual Memory	Chapter 7. pp. 358 - 375
Apr. 26, 28	I/O devices, esp. disks	Chapters 8, 9
May 3	Review	
