Lecture 01 - Machine Architecture

Survey on languages that you know

For homework that is not in MARIA - our emulated machine you have your choice of { C, C++, Python, Go, Haskell, F#, Swift } as your language of implementation. If you do other than C/C++/Python then I will be grading your homework instead of the graduate assistant - so it may take longer to get graded.

More strict late policy

In previous classes with a much smaller number of people I have been lax in my late policy. 16 Students in 1015 was stretching my ability to deal with lots of late work. This class with 40 students is way to large to allow for a very liberal late policy. So...

Homework will be due on the due date with a 10% per day late penalty.

Syllabus

Homework Overview for Semester

Title	Points
Homework 1 - Setup / Access MARIE - Price Computer	200 Pts
Homework 2 - Representation of Numbers / ASCII / Unicode	200 Pts
Homework 3 - Boolean Algebra - Gates	200 Pts
Homework 4 - MARIE 1st program	200 Pts
Homework 5 - MARIE assembly language programs	200 Pts
Homework 6 - Implement MARIE Emulator	200 Pts
Homework 7 - Multiply/Divide Subroutine n MARIE	200 Pts
Homework 8 - Microcode Part 1 - Machine	200 Pts
Homework 9 - Microcode Part 2 - Microcode	200 Pts
Homework 10 - Compiled Code / Paper (1-2 page)	200 Pts