

California Institute of Technology
Department of Computer Science
Computer Architecture

CS184b, Winter 2000

Course Information

Wednesday, January 3

Course Number: CS184b
Course Name: Computer Architecture
Term: Winter 2001
Time: MW 10:30AM–12:00PM
Place: Jorgensen 74
Instructor: Prof. André DeHon <andre@cs.caltech.edu>
office Jorgensen 258 x6569
Administrator: Cynthia Brady <cbrady@cs.caltech.edu>
office Jorgensen 256 x6247
old URL: <<http://www.cs.caltech.edu/~andre/courses/CS184/>>
new URL?: <<http://www.cs.caltech.edu/courses/cs184/>>

Prerequisite: CS184a – Since this course is the second of a sequence, I will be assuming everyone has mastered the ideas from the first quarter. A few have planned to only formally join the course this quarter; the burden is on you to fill in any deficiency in your background. The course materials from last term are all online. MPEGs for the lectures can be found in the course directory (listed below).

Student Requirements and Grading:

Grading is based on weekly assignments. We may combine several of the weekly assignments during the last few weeks of the course into a small project.

Writeups should be done in electronic form. Electronic submission will be preferred (and may be required for some assignments).

I continue to reserve the right to use one of the better solutions submitted to an exercise as a reference solution (credited appropriately, of course). Please, indicate if you would prefer I **not** use your solution as such a reference.

Collaboration Policy Each student is expected to do his/her own work – including developing the details and writing the solutions. For the homeworks, you are free to discuss basic strategies and approaches with your fellow classmates or others, but detail designs, implementations, analysis, and writeups should always be the work of the individual. If you get advice or insights from others that significantly influenced your work, please acknowledge this in your writeups.

Reading

- Hennessy and Patterson's *Computer Architecture A Quantitative Approach* – you will be responsible for the first five chapters of this book and assignments will be given from it.
- Reader – we have prepared a reader with a collection of classic papers to complement Hennessy and Patterson.

Course Materials For this quarter, we will be using a simulator and compiler to characterize program behavior and architectural effects. I assume everyone already has a computer account. Please note that the CS department VLSI cluster is now populated with a number of new linux machines. You may have to update your unix dot files in order to login and get things working.

- **computers:** To request an account, fillout the web form: `<http://www.cs.caltech.edu/cgi-bin/sysadmin/account_request.cgi>`
- **directory:** I will put course related material in `/cs/courses/cs184`.