

California Institute of Technology
Department of Computer Science
Computer Architecture

CS184b, Spring 2005

Course Information

Monday, March 28

Course Number: CS184b
Course Name: Computer Architecture
Term: Spring 2005
Time: MWF 9:00AM–10:30AM
Place: Jorgensen 74
Instructor: Prof. André DeHon <andre@cs.caltech.edu>
office Jorgensen 258 x6569
TA: Michael deLorimier <mdel@cs.caltech.edu>
Lab Jorgensen 84 x8399
Administrator: Betta Dawson <bettad@cs.caltech.edu>
office Jorgensen 256 x6247
URL: <<http://www.cs.caltech.edu/cs/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. If you want to try to start the course here, the burden is on you to fill in any deficiency in your background. The course materials from last term are all online (including recordings of the lecture audio).

Student Requirements and Grading: Grading is based on text assignments and the term project (approximate weighting shown in brackets):

- 4 Weekly Assignments [40%]
- Project [60%]

Writeups should be done in electronic form, using CAD or drawing tools where appropriate. Electronic submission is encourage for the text assignments and required for the project work.

Collaboration Policy: Weekly Assignments 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.

Collaboration Policy: Final Assignments will be a group effort with clear division of labor. More details will be provided with the individual assignments.

Reading, Text, and Lectures Hennessy and Patterson's *Computer Architecture A Quantitative Approach*, 3rd edition, will be used for the first half of the course. The last half will be based on papers, roughly one or two per lecture.

Course Materials For this quarter, we will definitely be using computer software, starting from the second assignment.

- **computers:** If you don't already have a CS account, you should get one. You can use the computers in the VLSI Lab or the computers in the UGCS Lab. 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`.