

Computer Architecture: A Quantitative Approach

Course year 2000-2001

Code: Et 4-074

- Lecturer:** dr. Henk Corporaal room 15.060, tst. 85021
(only on Fridays at TUD)
- Assistents:** MSc. Andrea Cilio room k.15.070, tst. 83643
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email {smallpox,steven}@cs.et.tudelft.nl
- Day and date:** Friday 10.45 starting November 10
(lecture will not be given on Mondays !)
- Place:** Elektro zaal E
- Reading:** 1. Computer Architecture A Quantitative Approach
John Hennessy and Dave Patterson; 2-editie, 1996
2. A few articles may be distributed at the lectures
- Prerequisites:** Computer Architecture Et09-20 / Et2-020
- Examination:** Likeley an assignment

Course Program:

| coll. nr. | day | date | subject | chapter |
|-----------|-----|-------|---------------------------------|-----------------|
| 1 | vr | 10-11 | fundamentals of computer design | 1.1 – 1.9 |
| 2 | vr | 17-11 | instructieset ontwerp & DLX | 2.1 – 2.10 |
| 3 | vr | 24-11 | pipelining | 3.1 – 3.11 |
| 4 | vr | 1-12 | advanced pipelining I | 4.1 – 4.4 |
| 5 | vr | 8-12 | advanced pipelining II | 4.5 – 4.7 |
| 6 | vr | 15-12 | geheugen hierarchie | 5.1 – 5.7, 5.10 |
| 7 | vr | 22-12 | papers I | |
| 8 | ? | ? | papers II | |

Remarks:

- Tentamination will be replaced by an assignment
- Two lectures are reserved for paper presentations. Each student has to study one literature subject and present a short talk about it. Slides should be made available (e.g. in postscript or, preferably, powerpoint).