Comp 303 Computer Architecture

Fall 2009

Course Description
COMP 303 covers basic computer organization and systems programming. We will cover performance metrics, data formats, instruction sets, addressing modes, computer arithmetic, datapath design, memory hierarchies including caches and virtual memory, I/O devices, and bus-based I/O systems. The projects will cover systems programming. The course is open to any undergraduate who has mastered the material in digital design and basic programming.

Instructor
Comp 303 Roy Küçükateş Room: ENG Z42
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Office Hours: Monday and Wednesday, 12:15 – 13:00

Course Homepage
http://portal.ku.edu.tr/~comp303
We suggest you to check the course website regularly. Most of the announcements will be posted there. You will find the projects and all kind of announcements
It is your responsibility to check the course website for the announcements.

Lectures
Room ENG B29 Lectures on Monday B1, Wednesday B1

Grading
Projects 30%
Homeworks 10%
Midterm 1 15%
Midterm 2 15%
Final 30%
Total 100%

Textbook
We are going to be using "Computer Organization and Design: The Hardware/Software Interface," Fourth Edition, by David A. Patterson and John L. Hennessy, published through Morgan Kaufmann. Textbooks are available at the campus bookstore.

Requirements
This class has three components: lectures, weekly reading, homework assignments, and a class project. You are expected to keep up with all of them.

Academic Integrity
You are expected to maintain a high level of ethical standards and integrity in this course. This means that all work you submit must be the result of your own individual effort.
You may discuss homework problems with other students in the class, but you may not collaborate on the actual development or writing of the solutions. Under no circumstances would it be acceptable for two or more students to turn in substantially similar answers to a homework problem, or to have possession of each others’ homeworks. We are checking the assignments with past years students’ projects. Everyone with whom you discussed the homework set must be cited on the submitted homeworks. No part of the homework may be copied from or be based on solution sets on the web - also keep in mind that the solution sets on the web are often incomplete and incorrect.
The same standards apply for group projects at the group level. Group members are expected to turn in the result of their collaborative work with other members of the same group. No group should at any time be in possession of another group’s solution, or copy another group's solution. It is your responsibility to protect your work from unauthorized access.
Any violations of the academic integrity code will be penalized, and may result in failure in the course, suspension, or expulsion from the university.