

King Fahd University of Petroleum and Minerals
College of Computer Sciences and Engineering
 Department of Computer Engineering

COE 308 Computer Architecture (3-0-3)

Instructor: Dr. Marwan Abu-Amara
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Term: 032 (2nd term 2003-2004)
Day & Time: SMW 01:10 PM – 02:00 PM
Location: 23-011
Prerequisite: COE 205 (Computer Organization and Assembly Language)
Textbook: Computer Architecture: Design and Performance, Barry Wilkinson, Prentice Hall, 2nd Edition, 1996.
Office Hours: SMW 10:30 AM – 11:30 AM (or by appointment)
Web Site: <http://www.ccse.kfupm.edu.sa/~marwan/>

Tentative Grading Policy:

- Quizzes & Homeworks **20%**
- Major Exam I **25%** (Saturday 20 March, 2004, 6:00 PM)
- Major Exam II **25%** (Monday 19 April, 2004, 6:00 PM)
- Final Exam **30%**

Tentative schedule:

Topic	Chapter	Week*
Basic computer systems	1	1,2
Instruction set design	2	2,3
Cache memory systems	3	3,4,5
Major Exam I	1, 2, 3, Handout	6
Memory management	4	6,7
Integer and floating arithmetic	Handout	8
Pipelined processor design	5	8,9,10
Major Exam II	4, Handout, 5	10
Pipelined processor design (continued)	5	10,11,12
Multiprocessor systems and programming	6	13,14
Interconnection networks	8	14,15
Final	Comprehensive	TBD

* Week 1 begins on February 14, 2004

IMPORTANT NOTES:

- All KFUPM regulations and standards will be enforced.
- Attendance will be checked each class. The KFUPM rule pertaining to a DN grade will be strictly enforced as stated in the first bullet.
- Homeworks are to be submitted on the due date during the class period. **NO late homework** will be accepted.
- You have 48 hours to object to the grade of a homework, a quiz, or a major exam from the end of the class time in which the graded papers have been distributed. If for some reason you cannot contact me within this period, send me an email requesting an appointment. The email should be sent within the 48-hour time period.
- **NO make up exams.**
- General guidelines for grades:
 - ≥ 90 and ≤ 100 Minimum Grade: **A**
 - ≥ 80 and < 90 Minimum Grade: **B**
 - ≥ 70 and < 80 Minimum Grade: **C**
 - ≥ 60 and < 70 Minimum Grade: **D**