

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: 041 (1st term 2004-2005)
Day & Time: UT 08:30 AM – 09:45 AM
Location: 24-146
Prerequisite: COE 205 (Computer Organization and Assembly Language)
Textbook: Computer Architecture: Design and Performance, Barry Wilkinson, Prentice Hall, 2nd Edition, 1996.
Office Hours: UT 10:00 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%** (Tuesday October 12, 2004 from 06:00 PM to 08:00 PM)
- Major Exam II **25%** (Tuesday December 07, 2004 from 06:00 PM to 08:00 PM)
- Final Exam **30%** (*Comprehensive*)

Tentative schedule:

Topic	Chapter	Week*
Basic computer systems & Performance	1 & Handout	1,2
Instruction set design	2	3,4
Major Exam I		
Cache memory systems	3	4,5,6
Memory management	4	6,7
Integer and floating arithmetic	Handout	8
Pipelined processor design	5	8
Eid al-Fitr Holiday (weeks 9 & 10)		
Pipelined processor design (continued)	5	11,12
Major Exam II		
Pipelined processor design (continued)	5	12,13,14
Multiprocessor systems	6	15,16
Interconnection networks	8	16,17
Final (Comprehensive)		

* Week 1 begins on *September 11, 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 earlier.
- Homeworks are to be submitted **in class** 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 back. 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.** ALL quizzes & homeworks will be counted towards your grade.
- Final exam is **comprehensive**.
- General guidelines for grades:

Range	^s 90 and £ 100	^s 80 and < 90	^s 70 and < 80	^s 60 and < 70
Minimum Grade	A	B	C	D