2015학년도 2학기 수업계획서

과목명	컴퓨터구조	
학점(시간)	3(3)	
이수구분	전공필수	
수강번호	1480	02
강의시간	월15:00-16:20	
강의실	E21-112	
교수명	최규상	
소속	모바일정보통신공학과	
면담시간	월요일 11:100-12:00	

※동일과목:
계산기구조(CSE005)
※선수과목:

※선행과제 :

1.Introduction :
Since the inception of electronic computing in the late 1940s, computer industry has experienced unprecedented progress. Computer itself has penetrated into almost every places of our human life. This course is to study the fundamental building blocks of such computer systems. Especially, we will focus both hardware issues and software issues since the modern computer technology can be fully appreciated by understanding both of them. The interaction between hardware and software at a variety of levels also offers a framework for understanding the fundamentals of computing.

2.Objective :
To understand the basic computer architecture concepts which are used in the state-of-art computer systems.

3.Organization
Our class consists of two types of classes. The first one is a regular class which you learn many stuffs of computer architecture based on the textbook. The second one is an experimental class which you solve some problems in the textbook and design a 32-bit microprocessor.

4.Textbook :

Computer Organization and Design, 5th Edition, by Patterson and Hennessy (English Version)

5.Prerequisite Courses :
 - Logic Gate Design
 - Programming Language

※ 장애학생의 요구가 있을 경우 장애유형에 따라 편의제공을 한다.
　관련사항문의 : 장애학생지원센터 810-1161~2

6.Grading :
Midterm : 30%
Final : 35%
Quizzes: 25 %
HW and Class participation : 10%

7.주별계획

주	학습목표 및 목차	주교재 및 참고자료	퀴즈/과제/토론 유무
1	Introduction : Computer Systems	Computer Organization and Design	Quiz#1
2	Instruction Sets I	Computer Organization and Design	
3	Instruction Sets II	Computer Organization and Design	
4	Computer Arithmetic I	Computer Organization and Design	Quiz#2
5	Computer Arithmetic II	Computer Organization and Design	HW#1
6	Performance Evaluation	Computer Organization and Design	
7	Processor I	Computer Organization and Design	
8	Midterm Exam	Computer Organization and Design	
9	Processor II	Computer Organization and Design	
10	Pipelining I	Computer Organization and Design	Quize#3
11	Pipelining II	Computer Organization and Design	
12	Memory Systems I	Computer Organization and Design	HW#2

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7.주별계획

주	학습목표 및 목차	주교재 및 참고자료	퀴즈/과제/토론 유무
13	Memory Systems II	Computer Organization and Design	
14	I/O Systems I	Computer Organization and Design	
15	Final Exam	Computer Organization and Design	

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