

2020학년도 2학기 수업계획서

• 기본정보

과목명	컴퓨터구조		
학점(시간)	3(3)		
이수구분			
수강번호		반번호	
강의시간			
강의실			
담당교수	최규상	소속	정보통신공학과
면담시간			

• 과목 관련 정보

동일과목	
선수과목	

• 세부내용

※ 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 online lecture which you watch video materials on computer architecture.

※ 장애학생을 위한 학습지원 : 학습도우미(이동보조, 강의·보고서 대필, 학습보조), 보조기기, 휠체어 접근이 가능한 강의실, 좌석 우선배정, 점자, 확대자료 등이 필요한 수강자는

• 세부내용

사전 문의 바랍니다.

스마트교육:

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 편의를 제공한다.

6.Grading :

Midterm : 35%

Final : 45%

Quizzes: 0 %

HW and Class participation : 20%

※ 장애학생을 위한 평가지원 : 학습도우미(이동보조, 시험 대필), 점자, 음성 시험지, 확대 문제지, 시험시간 연장, 대필 도우미, 별도시험장소, 보조기기가 필요한 수강자는 사전 문의 바랍니다.

평가비율

중간시험 : 35%, 기말시험 : 45%, 출결 : 0%, 예·복습 : 20%, 기타 : 0%

※ 스마트교육: 학생의 수업 활동 참여에 대한 평가 권장

예: 수업참여도(발표, 토론, 학생 간 상호 평가), 포트폴리오 등

• 주별계획

주	학습목표 및 목차	주교재 및 참고자료	퀴즈/과제/토론 유무
1	Introduction : Computer Systems	Computer Organization and	Quiz#1

• 주별계획

주	학습목표 및 목차	주교재 및 참고자료	퀴즈/과제/토론 유무
		Design	
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	Quiz#3
11	Pipelining II	Computer Organization and Design	
12	Memory Systems I	Computer Organization and Design	HW#2
13	Memory Systems II	Computer Organization and Design	
14	I/O Systems I	Computer Organization and Design	
15	Final Exam	Computer Organization and Design	