2024Year 1st Semester Syllabus

Created Date	2024-02-13 16:58:02			Last-Modified	odified 2024-02-13 17:01:29				
Course Title	COMPUTER ARCHITECTURE				Course Code-Section	EEE3530-01			
Credit/Time/ Experiment,Lab,Pr actical Technique Time	Lab, Pr				Department Electrical and Electronics Engineer			ng	
Time Mon2,3,Wed3					Location EngHB041				
Exam Date & Time	Midterm exam				Final exam				
Class Language	English				Evaluation Type	Absolute evalu			
	Name		Song William	Jinho		Telephone	02-2123-2864		
Instructor's Profile	Department Office		전기전자공학부	Ż.	Contact Information	Mail	wjhsong@yonsei.ac.kr		
			Engineering H	Hall #3, C410		Interview information	Mon 2-3pm		
TA's Name & Contact Name Information			Wu, Xingbo		Contact Information	Telephone			
Course Description Brief Introduction o Course	f the	objec * Lea parall	tives are as foll rning the basic elism, pipelinir	lows.	puter architecture		puter architecture. Cl tion sets, instruction-		
Course Goals		1	Korean	Learning the ba architecture	20%				
		1.	English	Learning the ba architecture					
			Korean	Learning the co pipelining, and					
		2.	English	Learning the co pipelining, and	50%				
			Korean	Programming p	30%				
		3.	English	Programming practices of computer architecture concepts					
		4.	Korean					0%	
		4.	English	ih					
		5.	Korean					0%	
	J.	English	nglish						



Core Competencies		The total measurable competencies must be 100%. Each course objective should set the competency as 25%. The core and major competencies should equal at least 50%.														
		Basic Academi	c Abil	Ability 50%		Logical Thinkin		ninking	30%		30%	Problem-solv		ing Ab	ility	20%
Sub-Competencies/Learning Unit1																
Sub-Compete Unit2	encies/Learning															
Sub-Compete Unit3	encies/Learning															
Core Compet Arts)Major co	encies(Liberal ompetency(Must reflect the interrelationship between core competencies (elective courses) and major competencies (major studies).														
Basic Academ	nic Ability															
Sustainable D Goals	evelopment															
Average Reco Amount of Le		Average Reading Volume								Average amou vriting(Based						
Course Meth		Lecture		Practice Trai		ning	Presenta		tation	Da		abate		Team Project		
Total Amoun	t 100	70		%		30%	30%		0%			0%		0%		
Course Meth		PBL Subject		Capstone De		esign	sign CBL, So Innovation					d Classroom		Work Experience, Internsh		
Select Releva	nt Items															
Grading Policy(%) Total Amount 100		Midterm exam	Fina	Final exam		Quiz		Individual Assignment A		As	Team Assignment		Attenda	ance	Oth	ers
Free Input for Other Information		25%	% 25%		00		% 40%			0%			10% 0%		0%	
		Title of Assignment/Project Name Method of Filling Out				, and	d Submission Deadline			Type of Submission and Method						
Assignment/																
Report, Project Guide																
Prerequisite								nline Co ddress	urse							
Course Course Ma Material		terial Name		Author		Pu		ublisher		Publish Ye		ear		ISBN		
Computer Orga 주교재 Design Risc-V Ec Hardware Softw				David A. Patterson^John L. Hennessy		Morgan		n Kaufmann		2021			9780128203316			

	Juniors and seniors in EE major
Main Learner Precautions	



Attatchment	

Weekly Plan

week	Period	Weekly Topic & Contents	Remarks
1	2024-03-02 2024-03-08	Computer abstraction	(3.2.) Spring semester classes begin (3.6 3.8.) Course add and drop period
2	2024-03-09 2024-03-15	Instructions	
3	2024-03-16 2024-03-22	Instructions	
4	2024-03-23 2024-03-29	Instructions	
5	2024-03-30 2024-04-05	Arithmetic	
6	2024-04-06 2024-04-12	Arithmetic	(4.8.) First third of the semester ends 04.10 국회의원선거
7	2024-04-13 2024-04-19	Datapath	
8	2024-04-20 2024-04-26	Midterm	(4.20 4.26.) Midterm Examinations
9	2024-04-27 2024-05-03	Datapath	(4.29 5.1.) Course withdrawal period (5.2 5.3.) Application period for S/U evaluation
10	2024-05-04 2024-05-10	Pipelining	(5.2 5.4.) Application period for S/U evaluation (5.5.) Children's day (5.6.) Alternative holiday for Children's Day 05.05 어린이날, 05.06 대체공휴일(어린 이날)
11	2024-05-11 2024-05-17	Pipelining	(5.15.) The day of Buddha's coming, Second third of the semester ends 05.15 부처님오신날
12	2024-05-18 2024-05-24	Pipelining	
13	2024-05-25 2024-05-31	Memory hierarchy	
14	2024-06-01 2024-06-07	Memory hierarchy	(6.6.) Memorial day 06.06 현충일
15	2024-06-08 2024-06-14	Parallelism	(6.8 6.14.) Self-study
16	2024-06-15 2024-06-21	Final	(6.15 6.21.) Final Examinations



• Students with disabilities(SWDs) can request accommodations related to lectures, assignments, or tests by contacting t

he course professor at the beginning of semester.

(However, accommodations may vary depending on the essentiality of lecture and discretion of professors.) [Lecture]

- Visual Impairment: alternative, braille, enlarged reading materials, note-taker
- Physical Impairment: alternative reading materials, access to classroom, note-taker, assigned seat
- Hearing Impairment: note-taker/stenographer, recording lecture
- Intellectual Disability/Autism: note-taker
- [Assignments and Test]
- Visual/Physical/Hearing Impairment: (reasonable) extra days for submission, alternative type of assignment, extende
- d test time, alternative type of test, arranging separate test room, and proctors, test ghostwriter
- Intellectual Disability/Autism: (reasonable) extra days for submission, alternative type of assignment

