

# (Syllabus)

[1] (Basic Information)						
<u>(Course Information)</u>						
/ (Year/Semester)	2020 / 1		(Campus)		(Seoul Campus)	
(Course No.)	06757		(Class No.)	02	(Credit)	3
(Course Title)	(MICROCOMPUTER SYSTEMS)		/ (Time/Room)		207 ( ) 604 < / > 3 / 3,4(College of engineering1 604 < / > TUE3 / THU3,4)	
(Course Classification)	(Major)		(Lecture Type)		(Lone-teaching course)	
(Course Type)	(Theoretical course)		(Medium of Instruction)			
(Accreditation)			(Accreditation of Engineering Education)		(Engineering subject-related course)	
(College)	ICT (College of ICT Engineering)		( ) (Department)		ICT (School of Electrical and Electronics Engineering)	
e-class (Usage of e-class)	Yes					
<u>(Instructor Information)</u>						
(Name)	(Kim JunSeong)		(Department)		(School of Electrical and Electronics Engineering)	
(Office Phone No.)	02-820-5294		(Contact No.)		02-820-5294	
E-mail (E-mail)	junkim@cau.ac.kr		(Department Phone No.)		02-820-5333	
가 (Office Hour)	TBD		(Office Location)		#207-730	
(Course Web-site)	-					

[2] / (Learning Objectives/Outcomes)	
<u>(Course Description)</u>	
To build the foundation of microcomputer architecture this class provides a comprehensive treatment of Assembly language programming, microcomputer system design and interfacing.	
<u>(Prerequisites and Co-requisites)</u>	
; ;	
<u>(Learning Objectives)</u>	
To understand the design and interfacing of typical microcomputer-based systems... Hardware and software organization of a microcomputer; high level language and assembly language programming; Interfacing memory and peripheral devices;	
<u>(Learning Outcomes)</u>	
(1) 40% + 가	(2) 20% + (3) 40% 1) 3) , , 2)
[3] (Course Methods)	
<u>(Teaching and Learning Methods)</u>	
(Teaching and Learning Methods)	가 (Additional Description)
(Lecture)	x86 , ARM
<u>(Assignments)</u>	

<u>(Textbooks, Reading, and other Materials)</u>					
(Textbook/Reference )	(Title)	(Author)	/ (Year of Publication/etc)	/ (Publisher/Name of Journal)	/ (No. of Edition)
(Main Textbook)	The x86 PC - Assembly Language, Design, And Interfacing	M. A. Mazidi, J. G. Mazidi and D. Causey		Pearson Education, Inc.	
[4] 가 (Student Assessment)					
가 (Assessment Item)	가 (%) (Assessment Ratio)	가 (Additional Description)			
(Attendance)	5				
/ (Participation/Attitude)	10				
(Mid-term Exam)	35				
(Final Exam)	40				

가 (Assessment Item)		가 (%) (Assessment Ratio)	가 (Additional Description)	
(Assignment)		10		
[5] (Course Schedule)				
(Week)	(Instructor)	(Topic & Content)	(Student Assignment)	가 (Additional Description & Instructor Assignment)
1		introduction to computing; The x86 microprocessor; IC Technology and System Design;		- e QnA -
2		Memory and Memory Interfacing; SDK-86 System Design Kit;		- e QnA -
3		Memory and Memory Interfacing; SDK-86 System Design Kit;		- e QnA -
4		8088/86 microprocessors and supporting chips;		- e QnA -
5		8088/86 microprocessors and supporting chips;		- e QnA -
6		8088/86 microprocessors and supporting chips;		- e QnA -
7		8088/86 microprocessors and supporting chips;		- e QnA -
8		midterm ( ) / 8088/86 microprocessors and supporting chips;		- e QnA -
9		Assembly Language Programming;		- e QnA -
10		Assembly Language Programming; 80x86 Instructions and Modular Programming;		- e QnA -
11		Assembly Language Programming; 80x86 Instructions and Modular Programming;		- e QnA -
12		Assembly Language Programming; 80x86 Instructions and Modular Programming;		- e QnA -
13		8253/54 Timer; Interrupts and the 8259 Chip;		- e QnA -
14		I/O, 8255 and Device Interfacing; SDK-86 System Design Kit;		- e QnA -
15		final exam.		- e QnA -
16		final exam.		
[6] (Guide to Learning)				

You MUST read all the class materials.  
keep your attention and interest...

- 100%  
- 가  
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2011 ' 3 가  
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28.7%(35 /122 ) (71.3%, 87 /122 )

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( )  
x86  
가 8086 NASA 가

(Previous Exam Samples)		
< 가 >(<Download Additional Sample>)		
가 .		
(Engineering Education)		
(Learning Outcomes)		
: 40	: 20	: 40
<u>                  </u> (Title)		
....n/a....		
<u>                  </u> (Objective)		
....n/a....		
<u>                  </u> (Restrictions)		
....n/a....		
<u>          가          </u> (Assessment Method)		
....n/a....		

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( In pursuant to the Article 71 “Discipline” of the Chung-Ang University Regulations, and Article 47 “Punishment for Cheating during Examination” under Chapter 6 of the Academic Affairs Management Rules, any student caught engaging in academic misconduct during an exam will be subject to disciplinary action.)

1. : , , , 가
2. : , , 가
3. / : 가 , 가
4. : 02-820-6577~9( ), 031-670-4816( )  
( cauable)

In this class, students with disabilities are eligible for reasonable accommodations depending on the type and severity of disability. If you wish to receive accommodations listed below, please contact the Support Center for Students with Disabilities.

1. Visual Impairment: Braille, large print, electronic class materials, volunteer note-taker, adjustments in assessment practices, etc.
2. Hearing Impairment: Volunteer note-taker, stenographer, adjustments in assessment practices, etc.
3. Physical Disabilities/Brain Lesions: Classrooms with wheelchair access, volunteer note-taker, adjustments in assessment practices, etc.
4. Accommodations for students with other psychiatric disabilities or health impairments can be arranged through the Support Center for Students with Disabilities after consultation.  
Inquiry: 02-820-6577~9 (Seoul Campus), 031-670-4816 (Anseong Campus)  
- KakaoTalk Plus Friend ID: @cauable