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E-Mail	BCLEE@POSTECH.AC.KR			Homepage			
					054-279-5079		
Office Hours	any time						
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ARM							
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EECE273 Digital System Design							
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(Tentative)# Midterm Exam: 30%# Final term Exam: 30%# Projects: 30% # Attendance: 10%							
							ISBN
ARM System on chip architecture, 2nd. Ed.			Steve Furber		Addison Wesley		2000 978-0201675191
C data structure :#							
Introduction to Algorithms (3rd ed.) by T. H. Cormen, C. E. Leiserson, R. L. Rivest, and C. Stein.#							

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Data structures and algorithms made easy: Data structures and algorithmic puzzles (5th ed.) by N. Karumanchi#

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ARM System Developer's Guide by A. N. Sloss et al.#

Embedded Systems: Introduction to Arm Cortex-M microcontrollers by J. W. Valvano#

Computer organization and designs: The hardware/software interface (ARM ed.) by D. A. Patterson and J. L. Hennessy#

Embedded systems: ARM programming and optimization by J. D. Bakos#

The Intel microprocessors (8th ed.) by B. B. Brey

Lectures: #

Week01 -Introduction, LINUX environments #

Week02- Recall C language: Basics and linked list#

Week03- An introduction to processor design#

Week04- Programmer 's model and development tools#

Week05- ARM assembly language programming (1)#

Week06- ARM assembly language programming (2)#

Week07- ARM organization and implementation#

Week08 -MIDTERM EXAM#

Week09- Instruction set: data processing, register transfer#

Week10- Instruction set: Exception, branch, SWI#

Week11- Architectural support for high level language#

Week12- Architectural support for system development (1)#

Week13- Architectural support for system development (2)#

Week14- Interrupt mechanism#

Week15- Bus interface and interconnects #

Week16 - FINAL EXAM#

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[Projects]#

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Lectures, Projects							