Course Number		Lecture number	Lecture	Introduction to Data Structures	Credit	3
Instructor	Name : Kyuseok Shim			Homepage: kdd.snu.ac.kr/~shim		
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Objective	- Learn basic	-	sorting and graphs	es to be used in basic alg	orithm des	signs
Textbook	Press)			+, Horowitz, et al. 2nd		(Silico
Textbook	Press)				Press)	(Silico
Textbook Grading	Press) 2. Introducti	on to Algorit	hms, Cormen et a	l., 4th Edition (The MIT Final Exam	Press)	Γotal
	Press) 2. Introduction Attendance	on to Algorit	hms, Cormen et a	I., 4th Edition (The MIT	Press)	
	Press) 2. Introduction Attendance 3 %	on to Algorit	hms, Cormen et a	I., 4th Edition (The MIT	Press)	Γotal

Cheating

	Week	Topics Covered		
	1	Scheme Language		
	2	Scheme Language and Interpreter		
	3	Algorithm analysis and Amortized Analysis		
	4	Arrays & Hashing Stacks & Queues		
	5			
	6	Linked-list		
Lecture	7	Trees		
Contents	8	Heaps & Disjoint Sets		
	9	Implementation of Scheme Interpreter & Elementary Graph Algorithms		
	10	Minimum Spanning Tree & fibonachi Heap		
	11	Red-Black-Tree and B-tree		
	12	Single-source Shortest Path Single-source Shortest Path		
	13			
	14	All-Pairs Shortest Path		
	15	Sorting		