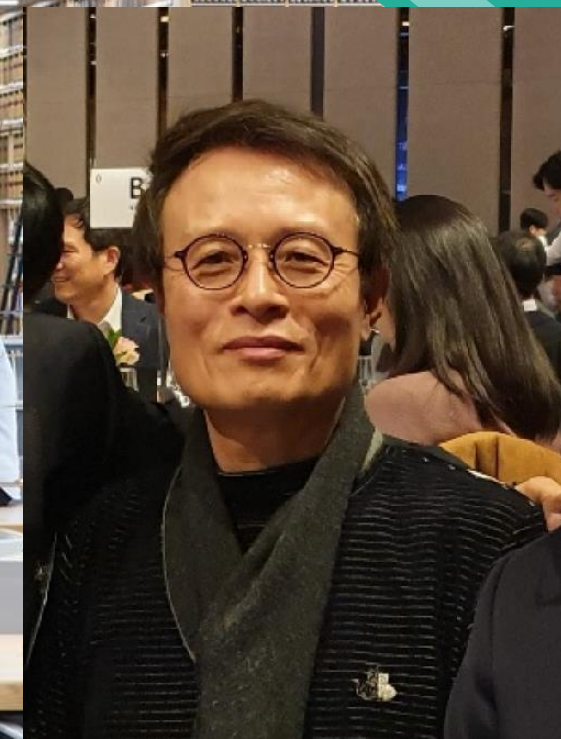




Algorithms



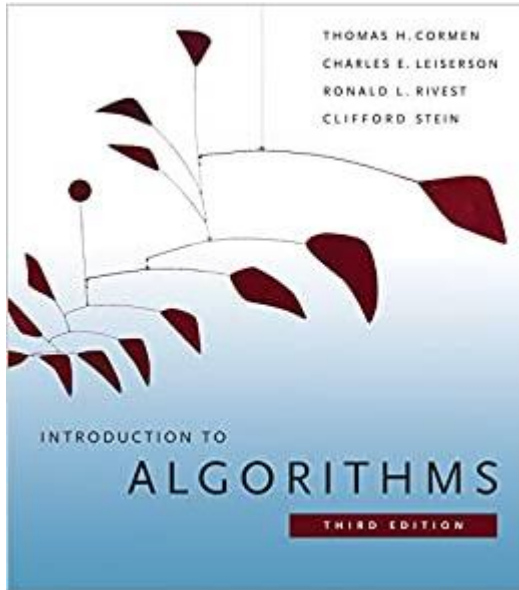
서울대학교 컴퓨터공학부
문병로 교수
Byung-Ro Moon

Textbooks



- Title : 쉽게 배우는 알고리즘(개정판)
- ISBN : 979-11-5664-375-3
- Author : 문병로
- Publisher : 한빛아카데미(주)
- Pages : 528p

Textbooks



- **Title : Introduction to Algorithms**
- **ISBN-13 : 978-0262033848**
- **Author : Cormen et al**
- **Publisher : MIT Press**
- **Pages : 1180p**

Either of the two textbooks are okay

Subjects Overview and Tentative Schedule

Weeks	Subjects	
0	Introduction to the course	
1	Basics for algorithms	
2	Recurrence and complexity analyses	
3	Sorting	
4	Selections	
5	Search trees	} Indexing
6	Search trees, Hash table	
7	Mid term and ...	
8	Dynamic programming	
9	Exclusive sets	
10	Graph algorithms	
11	Graph algorithms, Greedy algorithms	
12	String Matching	} About impossibility
13	NP-Complete and ...	
14	Final term and ...	
15	Open	

Administration

Two exams

Four homeworks

- Two of them are programming
(Language: Java)
- Copy detection enforced
 - “zero point + one-grade down” per copied problem
 - A database of the past years are used

Grading

Exams : homeworks : others = 45 : 45 : 10

Homeworks are important

Usually given two weeks before due

Problems require thinking

Worst approach: read the problems 3 days before the due and ...

Give enough time for implicit processing

So.. **Read the problems in the day of release**

= Put them in your subconsciousness

Lecture Notes

In etl.snu.ac.kr

Lecture notes are provided in pdf form