

# **Algorithms**

(Spring 2019)

- Kunsoo Park (880-8381, kpark@snu.ac.kr)
- Tue, Thu 11:00 – 12:15
- Room: 301-203
- Texts:
  1. Byung-Ro Moon, Algorithms Made Easy, 2018
  2. Cormen, Leiserson, Rivest, and Stein, Introduction to Algorithms, 3rd ed., MIT Press, 2009.
- Topics:
  1. Foundations: Correctness, Complexity Analysis
  2. Sorting
  3. Data Structures
  4. Design Techniques: Dynamic Programming, Greedy Algorithms
  5. Graph Algorithms
  6. String Matching
  7. NP-Completeness
- Grading: Exams (Midterm, Final), Homeworks, Class Participation
  - The total points for each exam will be around 120. There are 5 points for an exam preparation sheet.
  - The total points for each homework will be around 50. After the due date, there are –3 points per day for one week. After one week, homeworks are not accepted. (If there is a copy, both parties will get 0 for that homework.)
  - 3 points for each attendance. 3 points for each bonus.
  - Those who retake this course will get maximum A-.