109演算法課綱

* Objectives:

This course will give a wide introduction to a variety of algorithms
that can be applied to real-world problems.

* Contents:
\*Basics of Algorithm Analysis
\*Sorting and Median
\*Divide and Conquer
\*Greedy Algorithms
\*Dynamic Programming
\*Computational Geometry
\*Randomized Algorithms
\*Online Algorithms
\*Selected Topics
* Textbooks:
T.H. Cormen, C.E. Leiserson, R.L. Rivest, C. Stein. Introduction to Algorithms.
* References:
Jon Kleinberg and Eva Tardos. Algorithm Design.
R.C.T. Lee, R.C. Chang, S.S. Tseng, Y.T. Tsai. Introduction to the Design and Analysis of Algorithms.