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.