Lecture Outline (CS 303, Dong Xu, 3/10/04)

• Things to start…
  – Discussion on the quiz
  – Other questions?

• Concept of open addressing
  – Idea
  – Probe and probe sequence
  – Pseudo code for searching
  – Pseudo code for insertion
  – Pseudo code for deletion
• How to compute probe sequence
  – Linear probing
  – Quadratic probing
  – Double hashing

• Analysis of open-address hashing
  – Load factor
  – Number of probes for unsuccessful search
  – Number of probes for insertion
  – Number of probes for successful search
• **Reading**
  – Chapter 11.4

• **Homework**
  – Ex. 11.4-1, 11.4-2, 11.4-4
  – Problems 11-1, 11-3, 11-4