Lecture Outline (CS 303, Dong Xu, 3/5/04)

• Things to start…
  – Questions?

• Review on hash tables
  – Collision resolution by chaining
  – Implement dictionary operations with chaining
  – Analysis of hashing with chaining (successful search and unsuccessful search).
• Hash functions
  – What makes a good hash function
  – Keys as natural numbers
  – Division method
  – Multiplication method
  – Advantage and disadvantage of the above methods
• **Reading**
  – Chapter 11.2
  – Chapter 11.3

• **Homework**
  – Ex. 11.3-1, 11.3-2, 11.3-3, 11.3-4