Lecture Outline (CS 303, Dong Xu, 4/21/04)

• Things to start…
  – Discussion on the quiz
  – Questions?

• Dynamic programming
  – Used for optimization problems
  – 4-step method
  – Plan for this chapter
• Assembly-line scheduling
  – Problem formulation
  – 4-step solution

• Matrix-chain multiplication
  – Problem formulation
  – 4-step solution
• **Reading**
  – Chapter 15.1, 15.2

• **Homework**
  – Ex. 15.1-1, 15.1-2, 15.1-3, 15.1-4, 15.1-5
  – Ex. 15.2-1, 15.2-2, 15.2-4, 15.2-5