

Computer Science 703
Advance Computer Architecture
2010 Semester I
Lecture Notes 4
9Mar10
Instruction-Level Parallelism

James Goodman



Multiprocessors, Multithreading & Multicores

***This was a "chalk talk"—
no slides provided***

Readings

- Chapter 2 of Patterson & Hennessy (available online)
 - Today: Dependences & Hazards, 2.1-2.2
 - Thursday: Branches & Prediction, 2.3
 - Friday: Dynamic Scheduling, 2.4-2.5
 - Tuesday: Hardware-based Speculation, 2.6-2.8
- Thursday, Friday: Caches & Memory Systems (TBA)