Outline for May 10, 2006

**Reading:** text, §16.2.1—16.3.2.5

1. Greetings and felicitations!
   a. Seminar: Secure Information Flow and Access Control in a Java-like Language, by Prof. Anindya Banerjee, Kansas State University; room 1131 Kemper, today, from 1:30PM—2:30PM
2. Confinement flow model
3. Transitive nonlattice policies
   a. Quasi-ordered sets
4. Nontransitive policies
   a. Dual mappings
   b. Theorem: a dual mapping from a reflexive information flow policy into an ordered set is order-preserving
5. Compiler-based flow mechanisms
   a. Scalar declarations
   b. Array declarations
   c. Assignment statements
   d. Compound statements
   e. Conditional statements
   f. Iterative statements
   g. Goto statements