

## 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