# Outline for February 12, 2016

**Reading:** §16 in text                              **Assignments due:** Homework 3, due February 22

1. Information flow
   a. Information flow policy, confidentiality policy, integrity policy
   b. Example
2. Entropy-based analysis
   a. Flow of information from $x$ to $y$
   b. Implicit flow of information
3. 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
   h. Procedure calls
   i. Exceptions and infinite loops
   j. Semaphores
   k. Cobegin/coend
   l. Soundness