

## Outline for January 8, 2008

*Reading:* text, §1

1. Basic components of computer security
  - a. Confidentiality
  - b. Integrity
  - c. Availability
2. Classes of threats
  - a. Disclosure
  - b. Deception
  - c. Disruption
  - d. Usurpation
3. Policy vs. mechanism
  - a. Policy
  - b. Mechanism
4. Goals of security
  - a. Prevention
  - b. Detection
  - c. Recovery
5. Trust and Assumptions
6. Types of mechanisms: secure, precise, broad
7. Assurance
  - a. Specification
  - b. Design
  - c. Implementation
  - d. Maintenance and operation
8. Human issues
  - a. Organizational problems
  - b. People problems