Outline for November 25, 2008

   a. Confidentiality
   b. Integrity
   c. Availability

2. Threats
   a. Snooping
   b. Modification
   c. Masquerading, spoofing; delegation
   d. Repudiation of origin
   e. Denial of receipt
   f. Delay, denial of service

3. Policy and Mechanism
   a. Policy vs. mechanisms
   b. Some well-known policies: multilevel security, HIPAA, Privacy Act

4. Design Principles
   a. Principle of Least Privilege
   b. Principle of Fail-Safe Defaults
   c. Principle of Economy of Mechanism
   d. Principle of Separation of Privilege
   e. Principle of Open Design
   f. Principle of Complete Mediation
   g. Principle of Least Common Mechanism
   h. Principle of Psychological Acceptability

5. Attacks and Attackers
   a. Security perimeter
   b. Outside attackers
   c. Inside attackers
   d. Social engineering