Outline for April 1, 2013

Reading: §1

1. About the class
   a. Instructor
   b. Class web site, handouts
   c. Smartsite and submitting homework
   d. Homework, grading, and extra credit

2. What is security?
   a. Confidentiality
   b. Integrity
   c. Availability

3. Threats
   a. Disclosure
   b. Deception
   c. Disruption
   d. Usurpation

4. Goals
   a. Prevention
   b. Detection
   c. Recovery

5. Assurance
   a. Specification
   b. Design
   c. Implementation
   d. Operation

6. Trust
   a. What are your assumptions?
   b. How well-founded are they?

7. Other considerations
   a. Cost-benefit tradeoff
   b. Risk analysis
   c. People and organizations
   d. Laws and customs