

Outline for January 9, 2012

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