Outline for May 31, 2013

Reading: [TL00]¹

Assignments due: Homework #5, due June 6, 2013

1. Evaluating systems
   b. FIPS 140
   c. Common Criteria (CC)
   d. System Security Engineering Capability Maturity Model (SSE-CMM)
2. Attack trees
   a. Goals and subgoals
   b. Example: safe cracking
   c. Different functions of nodes and edges
      i. Risk analysis
      ii. Feasibility analysis
      iii. Cost analysis
   d. Example: attacking PGP
3. Requires/provides model
   a. Give intuition
   b. Single exploit vs. scenario attacks
   c. Correlation problem
   d. Example: rsh connection spoofing
   e. Capabilities and concepts
   f. Some features of the model
   g. JIGSAW language overview

¹This is available in the Resources area of SmartSite; look in the folder “Handouts”