Outline for May 31, 2013

Reading: [TL00][1]   **Assignments due:** Homework #5, due June 6, 2013

1. Evaluating systems
   a. Trusted Computer Security Evaluation Criteria (TCSEC, Orange Book)
   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

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[1]This is available in the Resources area of SmartSite; look in the folder "Handouts"