Lecture 12, April 26

**Discussion Problem.** What do you think of the following homework assignment?

**The Task**
Student is to perform a remote security evaluation of one or more computer systems. The evaluation should be conducted over the Internet, using tools available in the public domain.

**What the student must submit**
In conducting this work, you should imagine yourself to be a security contracted by the owner of the computer system(s) to perform a security evaluation.

The student must provide a written report which has the following sections: Executive summary, description of tools and techniques used, dates and times of investigations, examples of data collected, evaluation data, overall evaluation of the system(s) including vulnerabilities.

**Important note:** This is not an assignment for this class. I am only asking what you think of it. The assignment is reported on the web at [http://isc.sans.org/diary.php?storyid=1155](http://isc.sans.org/diary.php?storyid=1155).

**Lecture outline.**
1. Greetings and felicitations!
   - a. Midterm will be on *Wednesday, May 1*, in class; it is open book but you may *not* use your computer (so if your notes are electronic, print them out!)
   - b. There is a study guide, a sample midterm, and answers to it on SmartSite.
2. Goals of confidentiality policies
3. Bell-LaPadula Model with levels only
   - a. Security levels
   - b. Simple security property
   - c. *-property
   - d. Discretionary security property
4. Full Bell-LaPadula Model
   - a. Add in compartments
   - b. *dom* relation
   - c. BLP as lattice structure
   - d. Simple security property
   - e. *-Property
   - f. Discretionary security property
5. Range of levels
6. Basic Security Theorem
7. Example: DG/UX B2 System
8. Tranquility
   - a. Declassification problem
   - b. Strong tranquility
   - c. Weak tranquility