

Lecture 7 Outline

April 16, 2018

Reading: §4.6, G, 5.1–5.2.1, A

Assignments: Lab 1, due on Apr. 20, 2018 at 11:59pm
Homework 2, due on Apr. 25, 2018 at 11:59pm

1. Greetings and felicitations!
2. Example policies
 - a. UC Davis Allowable Use Policy
 - i. Rights and responsibilities
 - ii. Privacy
 - iii. Enforcement
 - iv. Unacceptable conduct
 - b. University Electronic Communications policy
 - i. General provisions
 - ii. Allowable use
 - iii. Privacy and confidentiality
 - iv. Security
 - v. Retention and disposition
 - c. User advisories
 - d. UC Davis implementation
3. Goals of confidentiality policies
4. Bell-LaPadula Model with levels only
 - a. Security levels
 - b. Simple security property
 - c. *-property
 - d. Discretionary security property
 - e. Simplified version of the Basic Security Theorem
5. 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
 - g. Basic Security Theorem
6. Range of levels