

## Outline for May 1, 2013

**Reading:** §7.4, 8.1–8.2, [WB04]<sup>1</sup>

**Assignments due:** Homework #3, due May 10, 2013

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1. DRM
2. Traducement
  - a. Problem and Goals
  - b. Definitions
  - c. Rules
  - d. Security for states and transitions
  - e. Application
3. Role-based Access Control (RBAC)
  - a. Definition of role
  - b. Partitioning as job function
  - c. Containment
4. Problem with instantiation of Bell-LaPadula Model
  - a. Covert channel example: what is “writing”?
  - b. Composition of lattices
  - c. Principles of autonomy and security
5. Deterministic noninterference
  - a. Model of system
  - b. Example
  - c. Relationship of output to states
  - d. Projections and purge functions

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